University of South Alabama

College of Medicine

ANNUAL REPORT
October 1, 2006 through September 30, 2007

Teaching • Research • Service
ANNUAL REPORT
UNIVERSITY OF SOUTH ALABAMA
COLLEGE OF MEDICINE

October 1, 2006 through September 30, 2007
# TABLE OF CONTENTS

## I. Reports from Departments and Programs

<table>
<thead>
<tr>
<th>Department</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemistry and Molecular Biology</td>
<td>1</td>
</tr>
<tr>
<td>Cell Biology and Neuroscience</td>
<td>6</td>
</tr>
<tr>
<td>Comparative Medicine</td>
<td>11</td>
</tr>
<tr>
<td>Emergency Medicine</td>
<td>15</td>
</tr>
<tr>
<td>Family Medicine</td>
<td>20</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>23</td>
</tr>
<tr>
<td>Medical Genetics</td>
<td>38</td>
</tr>
<tr>
<td>Microbiology and Immunology</td>
<td>42</td>
</tr>
<tr>
<td>Neurology</td>
<td>46</td>
</tr>
<tr>
<td>Neurosurgery</td>
<td>51</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>53</td>
</tr>
<tr>
<td>Orthopaedic Surgery</td>
<td>60</td>
</tr>
<tr>
<td>Pathology</td>
<td>64</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>72</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>83</td>
</tr>
<tr>
<td>Physiology</td>
<td>98</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>108</td>
</tr>
<tr>
<td>Radiology</td>
<td>109</td>
</tr>
<tr>
<td>Surgery</td>
<td>114</td>
</tr>
<tr>
<td>Biomedical Library</td>
<td>123</td>
</tr>
<tr>
<td>Mitchell Cancer Institute</td>
<td>130</td>
</tr>
<tr>
<td>Center for Lung Biology</td>
<td>144</td>
</tr>
<tr>
<td>Comprehensive Sickle Cell Center</td>
<td>147</td>
</tr>
<tr>
<td>Center for Healthy Communities</td>
<td>152</td>
</tr>
<tr>
<td>Center for Strategic Health Innovation</td>
<td>165</td>
</tr>
</tbody>
</table>

## II. Report from Alumni Affairs and Development Office

<table>
<thead>
<tr>
<th>Report from Alumni Affairs and Development Office</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>172</td>
</tr>
</tbody>
</table>

## III. Report from Admissions

<table>
<thead>
<tr>
<th>Report from Admissions</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>190</td>
</tr>
</tbody>
</table>

## IV. Report from Medical Student Summer Research Program

<table>
<thead>
<tr>
<th>Report from Medical Student Summer Research Program</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>196</td>
</tr>
</tbody>
</table>

## V. Report from the Graduate Program in Basic Medical Sciences

<table>
<thead>
<tr>
<th>Report from the Graduate Program in Basic Medical Sciences</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>199</td>
</tr>
</tbody>
</table>

## VI. Summary of Extramural Support

<table>
<thead>
<tr>
<th>Summary of Extramural Support</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>203</td>
</tr>
</tbody>
</table>
FOREWORD

The Annual Report of the USA College of Medicine highlights the achievements of our faculty, students and staff in the areas of teaching, research, and service. The report attests to the growth of our clinical, training, and research programs during the 2006-2007 academic year. Leadership changes during this period include the appointment of Ms. Judy Burnham as Director of the Charles M. Baugh Biomedical Library, William Gerthoffer, Ph.D., Chair of the Department of Biochemistry and Molecular Biology, Jonathan G. Scammell, Ph.D, Chair of the Department of Comparative Medicine, David O. Wood, Ph.D., Chair of the Department of Microbiology and Immunology and Ronald D. Franks, M.D. to the newly created position of Vice President for Health Sciences. Goals for the 2006-07 year include the recruitment of a new chair for the Department of Neurology; the completion of medical simulation (clinical skill) laboratories at the USA Medical Center and USA Children's and Women's Hospital; increasing collaborative opportunities between the college of medicine and the Mitchell Cancer Institute, the Infirmary Health System, and the college of allied health professions, and the college of nursing.

The College of Medicine wishes to acknowledge the loss of a great friend and supporter in the death of long-time Board of Trustee member, Mr. Mayer Mitchell. We wish to dedicate this annual report to Mr. Mitchell in recognition of his many years of service to the University of South Alabama and his significant contributions and long standing support of the college of medicine.

Samuel J. Strada, Ph.D.
Interim Dean
University of South Alabama
College of Medicine
2006-2007
Summary of Scholarly Activities
Department of Biochemistry and Molecular Biology

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. Articles in press

Chaudhuri S, Vyas K, Kapasi P, Komar A, Dinman J, Barik S, Mazumder B. Human ribosomal protein L13a is dispensable for canonical ribosome function but indispensable for efficient rRNA methylation. RNA. Forthcoming


II. PUBLISHED ABSTRACTS


III. BOOKS PUBLISHED

IV. PRESENTATIONS


Barik S. Second generation siRNA in respiratory viral therapy. Paper presented at: University of Medicine and Dentistry of New Jersey; 2007 Jan 24-26; Rutgers, NJ.


V. NATIONAL PROFESSIONAL RECOGNITION

Sailen Barik, Permanent Member, Standing NIH Study Section: Virology-B, 2006-2010.


Sailen Barik, Reviewer for American Heart South East and Ohio Valley, Study Section 5B, 2007.


Vira Bitko, Sailen Barik, 2001 BioMed Central paper describing therapeutic use of RNA interference remains the top viewed electronic paper in the field of Microbiology.

Richard E. Honkanen, Member of the Tumor Biochemistry and Endocrinology Study Section of the American Cancer Society.

Richard E. Honkanen, Session Chair for FASEB Research Conference 2006.
VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

After 15 years serving as Distinguished Professor and Chair of the Department, Dr. Nathan Aronson retired on September 1. He will maintain an appointment as Professor Emeritus. Dr. Jim Gaubatz also retired after 28 years service. The new Chair of the Department of Biochemistry and Molecular Biology is Dr. William T. Gerthoffer. Dr. Gerthoffer comes to USA from the Department of Pharmacology at the University of Nevada School of Medicine in Reno where he was foundation professor and previously interim chair. In 2006, he served as a visiting scientist for the Molecular and Integrative Physiology program at the Harvard School of Public Health. Dr. Gerthoffer also worked at the Laboratory of Molecular Cardiology at the National Institutes of Health. Dr. Gerthoffer attended undergraduate school at Waynesburg College in Waynesburg, Pennsylvania and obtained his Ph.D. in Pharmacology from West Virginia University. He completed his postdoctoral fellowship at the Baylor College of Medicine, and served as a research associate in the Department of Physiology at the University of Virginia. Dr. Gerthoffer's research is on molecular mechanisms by which smooth muscle cells adapt to the chemical and mechanical environment in organs such as blood vessels, airways and the gastrointestinal system. His studies also focus on how these mechanisms become important in cardiovascular and lung pathology when blood vessels or airways remodel during atherosclerosis and obstructive airway diseases.

Biochemistry graduate students achieved excellent progress during the 2006-2007 academic year. Brian Adams obtained his Ph.D. working in Dr. Barik’s laboratory and now is doing postdoctoral research on steroid biochemistry at the University of Florida. Lauren Amable (Dr. Honkanen) presented her research on the design and construction of a protein phosphatase 5-deficient mouse at the 2007 EuroPhosphatase Conference in Aveiro, Portugal. Samer Swedan is a new graduate student doing his Ph.D. research in Dr. Barik’s laboratory. Mary Harpen, a South Alabama undergraduate student, continues her work in Dr. Barik’s laboratory supported by a National Science Foundation program that provides research experience for undergraduates (REU).

Drs. Aronson, Barik, and Honkanen are active participants in the Alabama EPSCoR (Experimental Program to Stimulate Competitive Research) Program sponsored by the National Science Foundation. They are members of the Alabama Structural Biology Consortium (ASBC) that includes the University of South Alabama, University of Alabama at Birmingham, and University of Alabama at Huntsville. This year two students, Brian Adams (Dr. Barik) and Dana Skarr (Dr. Honkanen) received research and stipend awards through the Consortium.
In regards to teaching, two students, Joel Andrews and Dana Skarra, participated in the summer BEAR program. Dr. Lane was presented an Excellence in Teaching award by the second year BEAR students and they recognized the Department with the Best Overall Course award for the second year curriculum. At the end of spring semester Dr. Lane was voted the Best Teacher in Basic Sciences by the Medical School Class of 2009.
2006-2007
Summary of Scholarly Activities
Department of Cell Biology and Neuroscience

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. **Articles in press**

Fields PF, Fields M. Oxytocin and the bovine large luteal cell of early pregnancy (days 11 to 40): transition from large luteal cell of the estrous cycle to one of pregnancy. Biol Reprod. Forthcoming.


Grishko V, Wilson GL, Pearsall AW. Involvement of mitochondrial dysfunction in chondrocyte death after prolonged cold storage. JBJS. Forthcoming.


II. **PUBLISHED ABSTRACTS**

Kayes SK. Presidential Address To American Society of Parasitologists: Conventional wisdom and a tale of two cytokines. American Society of Parasitologists Annual Meeting; June 20-25, 2007; Mexico; Abstract no. 80:2a.

III. BOOKS PUBLISHED


IV. PRESENTATIONS


V. NATIONAL PROFESSIONAL RECOGNITION

Dr. Ronald Balczon served as Ad Hoc reviewer for the Lytmos Group LLC, and on the Editorial Board for Frontiers in Bioscience.

Dr. Mohan Bhatnagar served as a member of the Science Advisory Board.

Dr. Phillip Fields candidate for the office of Secretary for the Society for the Study of Reproduction.

Dr. Anthony Gard served as an Ad Hoc reviewer for Journal of Neuroscience, Neurochemical Research.

Dr. Steve Kayes was President of American Society of Parasitologists; member of Strategic Planning Committee; member of Journal of Parasitology Ad Hoc Committee; Chaired the 97th Council Meeting of the Society; Chaired the Business Meeting of the Society; Member of Board: Alabama Department of Rehabilitation Services.
Dr. Susan LeDoux served as a member of the NIEHS Environmental Health Sciences Review Committee; served on the NIH Special Emphasis Panel P01 ES011163, Paul Doetsch PI; served on the NIH Special Emphasis Panel (DISCOVER) Disease Investigation through Specialized Clinical Oriented Ventures in Environmental Research (P50 grants); served on the Editorial Board, DNA Repair; President, Mitochondrial Research Society.

Dr. Glenn Wilson served on the Editorial Board of Molecular Development and Aging; served as an Ad-Hoc Reviewer, National Institute of Environmental Health Sciences, Outstanding New Environmental Scientist (ONES) RFA; served as an Ad-Hoc Reviewer, National Institute of Environmental Health Sciences; served as an Ad-Hoc Reviewer, National Cancer Institute.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The Department continues to place strong emphasis on both teaching and research. To enhance its research efforts, the Department sponsored visits by five distinguished scientists to meet with members in the Department and to present seminars on their research. Dr. Robert W. Sobol from University of Pittsburgh Cancer Institute presented a seminar titled “Human Base Excision Repair and Resistance to Chemotherapeutic Alkylating Agents” on October 12, 2006; Dr. Sergei Zolotukhin from University of Florida presented a seminar titled “Gene Therapy for Obesity” on November 16, 2006; Dr. P. Michael Conn from Oregon Health and Science University presented a seminar titled “FULL IMPACT ORIGAMI—a New Therapeutic Approach Unfolding” on January 18, 2007; Dr. Laura J. Niedernhofer from University of Pittsburgh Cancer Institute presented a seminar titled “ERCC1-XPF Endonuclease: Unraveling Crosslinks and a Mechanism of Aging” on March 15, 2007; Dr. R. Stephen Lloyd from Oregon Health and Science University presented a seminar titled “Crossing the Oxidative DNA Damage Threshold: Consequences Resulting from the Loss of the NEIL1 DNA Glycosylase” on April 12, 2007.

In the area of education, the Department continued to provide over a quarter of the instruction given to medical students in the first two years. The mean scores of our first year medical students on the mini board in both Gross and Developmental Anatomy and Cell Biology and Histology were over the 70th percentile. For second year medical students the Department played the lead role in presenting the Neuroscience course. Virtually all the problems that were experienced in this course when it was originally presented have been resolved. This is evidenced by the fact that the class average on the Neuroscience mini board was the 74th percentile with 25 percent of the class scoring in the top 10th percentile and 50 percent of the class scoring in the top 25th percentile. It is clearly evident that in only its second year this course has become one of the top Neuroscience courses in this Country. Also, a remedial course in Gross Anatomy was presented for medical students in the summer.
This course was successful in helping specific students overcome their deficiencies. In the area of resident training, a course on Pelvic Anatomy was provided for Residents in the Department of Obstetrics and Gynecology. Additionally, undergraduate courses were presented on Gross Anatomy for Physicians Assistant students and Histology for Biomedical Sciences students.

In the area of community service, the Department expanded its efforts to provide health related education to students in the public school system. Programs were presented to several hundred students this past year.

Over the past year the Department has had three faculty members leave to accept positions at other medical schools, Drs. Solomon Ofori-Acquah, Stuart Critz and Kai-ming Chou. While we are sorry to see these individuals leave, these openings do present an opportunity to reinvigorate the Department. We will be actively recruiting new faculty over the next year who share our passion for research and teaching.
I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. Articles in press


Scammell JG, Funkhouser JD, Moyer FS, Gibson SV, Willis DL. Molecular cloning of pituitary glycoprotein α-subunit and follicle stimulating hormone and chorionic gonadotropin β-subunits from New World squirrel monkey and owl monkey. Gen Comp Endocrinol. Forthcoming.


II. PUBLISHED ABSTRACTS


III. BOOKS PUBLISHED

IV. PRESENTATIONS


Ruiz JC, Brady AG, Gibson SV, Williams LE, Abee CR. Successful strategies for reducing neonatal mortality in squirrel monkeys (Saimiri spp.): a retrospective study. 2006 National AALAS Meeting; 2006 Oct 15-19, Salt Lake City, UT.

V. NATIONAL PROFESSIONAL RECOGNITION

Dr. Alan G. Brady served as Chair of the 2006 American College of Laboratory Animal Medicine (ACLAM) Forum Program Committee. He presently serves as President of the Alabama Association for Biomedical Research and as ad hoc Primate Specialist for the Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC). Dr. Brady is a member of the American Association for Laboratory Animal Science and is on the Board of Directors of the Mid-South Branch. Dr. Brady is also a consultant on animal care to the U.S. Air Force at Keesler Air Force Base, MS.

Dr. Jonathan G. Scammell serves on the Editorial Advisory Board of the Journal of Pharmacology and Experimental Therapeutics. He also served as a reviewer for Molecular and Cellular Endocrinology, American Journal of Physiology, and Journal of Molecular Endocrinology. Dr. Scammell served on a Special Emphasis Panel ZNS1 SRB-B on Biomarkers of Neurodegeneration for the National Institute of Neurological Disorders and Stroke.

Dr. A. Michele Schuler served as a reviewer for the Journal of Medical Primatology and Comparative Medicine. Dr. Schuler is also a consultant on animal care to the U.S. Air Force at Keesler Air Force Base, MS.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The faculty and staff of the Department of Comparative Medicine participate in service, education, and research in the university’s animal care and use program. Dr. Brady serves as Interim Director and Dr. Schuler was recently appointed Associate Director of University Biological Resources. The department continues to upgrade and maximize the use of facilities with emphasis this year on the biocontainment area and assignment of animal care areas for designated purposes such as hypoxia research. The faculty continue their expansion of formal educational commitments both within the department to technical staff, supervisors, and colleagues and outside the department to graduate students. Dr. Ruiz completed an extensive Powerpoint-based course in primatology for Latin-American veterinary students. Dr. Brady received a contract from Merck and Company to quarantine imported squirrel monkeys. Other ongoing studies also focus on research in New World primates, enhancing the value of the Center for Neotropical Primate Research and Resources (CNPRR), which is supported by grants to Dr. Christian Abee from the National Center for Research Resources.
The department hosted visits from scientists, who participated in the Distinguished Scientist Seminar Series: Dr. Stephen Vatner (Chair, Department of Cell Biology and Molecular Medicine at the New Jersey Medical School); Dr. Anthony Chan (Assistant Professor, Department of Human Genetics, Emory University School of Medicine); and jointly with the Department of Pharmacology Dr. Dennis Wilson (Chair, Department of Pathology, Microbiology, and Immunology, School of Veterinary Medicine, University of California Davis). The CNPRR hosted Jessie Young (Stony Brook University), who performed part of his graduate research here. The department hosted Ms. Lori Bracken and her undergraduate advisor, Dr. Tina Hubler, from the University of North Alabama. Ms. Bracken participated in the university’s summer undergraduate research program, supported by the National Science Foundation, in Dr. Scammell’s laboratory. We wish Mrs. Marilyn Holladay our very best as she retires from the university after serving the College of Medicine, and the Department of Comparative Medicine in particular, for over twenty-five years. We welcome Ms. Gayle Francis from the University of Michigan, who has accepted the position of Manager, Vivarial Services, effective October 1, 2007.
I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. Articles in press

II. PUBLISHED ABSTRACTS


III. BOOKS PUBLISHED

IV. PRESENTATIONS

Pettyjohn FS, Bernstein SC, Quattlebaum MD, Khawaja SN. Aircrew and lipids - are we doing enough, soon enough? Paper presented at: International Congress of Aviation and Space Medicine; 2007 Sept 17 - 20; Vienna, Austria.

Pettyjohn FS. Heart failure in aircrew. Paper presented at: FAA Aviation Medicine Seminar; 2007 Mar 17; Seattle, WA.

Pettyjohn FS. Aviation medical evaluation of the pilot with significant coronary artery disease. Paper presented at: FAA Aviation Medicine Seminar; 2007 Mar 17; Seattle, WA.

Calhoun D, Glazer R, Pettyjohn F, Coenen P, Grosso A, Khan M. Control of severe hypertension with the combination of valsartan/hydrochlorothiazide as initial therapy. Paper presented at: 22nd Annual Scientific Meeting American Society of Hypertension ; 2007 May 19; Chicago, IL.


V. NATIONAL PROFESSIONAL RECOGNITION

Frank S. Pettyjohn served in the following positions: Chairman, Department of Emergency Medicine; Director, Division of Cardiology; Cardiology Consultant to the Federal Aviation Administration; Board of Directors and President, International Academy of Aviation and Space Medicine; and Board of Directors, American College of Emergency Physicians (Alabama Chapter), Medical Director School of Continuing Education, EMS.

Michael L. Sternberg served in the following positions: Vice Chairman, Department of Emergency Medicine; Board of Directors, Southwest Alabama Emergency Medicine Services; Chairman, Bylaws Committee, American College of Emergency Physicians (Alabama Chapter); Public Relations Committee, American College of Emergency Physicians (Alabama Chapter); Board of Directors, American College of Emergency Physicians (Alabama Chapter).

Michael R. Ambrose serves as a member of the Secretary of Veterans Affairs Advisory Committee for Former Prisoners of War.
Melissa W. Costello serves in the following positions: Member, Council on Medical Education for State of Alabama; Medical Director, National Disaster for Medical Services, AL-3 Disaster Medical Assistance Team and Urban Search and Rescue Team, City of Mobile Fire & Rescue/ Federal Emergency Management Agency, United States Department of Homeland Security, Deputy Director, Gulf Coast Media-Vac Helicopter Service.

Alan E. Heins serves in the following positions: American College of Emergency Physicians Academic Affairs Committee; SAEM Membership Committee, Reviewer, Academic Emergency Medicine, Reviewer, Emergency Medicine Pain-line.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The Department of Emergency Medicine continues to emphasize excellence in Clinical Emergency Medicine, education of the housestaff and medical students, and the ongoing academic development for the Faculty. The primary objective is to develop and implement broad-based educational programs utilizing bedside clinical teaching and advancing educational technologies. The goal of acquiring a full Residency Program in Emergency Medicine continues. Support by the Dean, College of Medicine, and Faculty for the development of the residency program continues. Recruiting of additional Faculty is underway to maintain clinical capabilities, enhance the teaching program and provide the basis for the Emergency Medicine Residency Program.

EDUCATION: The Faculty of the Department of Emergency Medicine continues to emphasize education. Alan Heins, M.D., Melissa Costello, M.D. and Michael L. Sternberg, M.D. provide dictated lectures for medical students in addition to participating in the Introduction to Clinical Medicine course for the second year medical students. The Emergency Medicine Interest Group continues to have an active program. Medical students continue to select the Emergency Medicine rotation as one of the most sought after training sites.

The Department of Emergency Medicine provides teaching in the Introduction to Clinical Medicine course. This adds to the educational experience for the medical students and provides the initial interaction with Emergency Medicine Attending Faculty. Alan E. Heins, M.D. directs the teaching activities for the third- and fourth-year medical student elective and the Acting Intern Program. Frank S. Pettyjohn, M.D. serves as Medical Director School of Continuing Education, EMS training providing education for Physicians, Medical Students and Emergency Medical Technicians.
RECRUITING PROGRESS: The recruiting program continues to be active with the goal of obtaining Emergency Medicine Residency Trained and Board Certified Emergency Medicine Physicians to meet the Emergency Medicine Residency Review Committee requirements. Frank S. Pettyjohn, M.D., Michael L. Sterberg, M.D. Melissa W. Costello, M.D., Alan E. Heins, M.D., Christen A. Zuschke, M.D. form the core faculty group. Additional staff physicians provide a broad-base for educational efforts which include Michael R. Ambrose, M.D., Lynne A. McDonnell, M.D., W. Scott McNair, M.D., Shannon Morgan, M.D., Antonio L. Pacheco, M.D. and Terry N. Rivers, M.D. George Atwell, M.D., Emergency Medicine Residency trained and board certified will join the core faculty group in September 2007.

FACULTY DEVELOPMENT: Melissa W. Costello, M.D. has been appointed Program Director for the Emergency Medicine Residency Program development. Alan E. Heins, M.D. has been appointed the Research Director for the Department of Emergency Medicine.

Joint Faculty activities continue in coordination with the Departments of Internal Medicine, Surgery, and Radiology. Dr. Samy Saleeb provides overall emergency medicine radiology educational programs. Dr. W. Scott McNair and Dr. Lynne A. McDonnell provide educational programs for joint Emergency Medicine and Pediatrics effort. Increased internet capabilities continue to provide the Faculty with updated technologic capabilities for educational programs.

Photographic capabilities utilize an improved digital camera and LCD projector to provide clinical presentations and research reviews. The updated digital camera, with close up and distance len are used as the primary photographic capability for patient documentation and clinical case presentation. Dr. Michael L. Sterberg serves as the primary faculty contact for the development and coordination of these activities.

CLINICAL FACILITIES: During the 2006-2007 program year, the Department of Emergency Medicine continued to support the operations of the University of South Alabama Medical Center, Level I Trauma Center and Emergency Department. The Department is also responsible for providing Faculty to support the Children’s and Women’s Hospital Evaluation Center.

The Departmental offices are on the 10th floor of the University of South Alabama Medical Center. These facilities continue to be upgraded to include advanced audiovisual capabilities, 35mm and digital photographic laboratory, powerpoint slide development and presentation production areas, and a multi-center computer learning system. The University of South Alabama Medical Center Emergency Department has been renovated with new flooring, cabinets, and monitoring capabilities. The overall computer support system in the University of South
Alabama Medical Center Emergency Department has implemented an upgraded hospital intranet providing ready access to laboratory data and x-ray. The ED has received an updated computer and viewing screen for teleradiology which provides exactly the same resolution as the Department of Radiology utilizes in their readings. A telemedicine capability is installed in the Emergency Medicine Conference Room to facilitate educational conferences by national and international experts.

The University of South Alabama Emergency Medicine continued to provide ongoing support to the University of South Alabama Children’s and Women’s Hospital. Alan E. Heins, M.D., Melissa W. Costello, M.D., Michael R. Ambrose, M.D., Shannon Morgan, M.D. and Antonio L. Pacheco, M.D., provided Attending coverage for the Children’s Evaluation Center. Close coordination between the University of South Alabama Medical Center, Level I Trauma Center, and the Children’s and Women’s Evaluation Center has been maintained to provide rapid response for appropriate patient care and transfer requests. Coordination is also maintained between the Department of Obstetrics/Gynecology at the U.S.A. Children’s and Women’s Hospital and the U.S.A. Medical Center Emergency Department to provide rapid treatment capabilities for adult patients presenting to Children and Women’s Hospital with acute medical or surgical conditions.

**RESEARCH:** The Division of Clinical Research entered the twelfth year of operation. Effective 1 September 2007, the primary clinical site will relocated from the Medical Office Park Three at the Infirmary West Hospital Campus to the Moorer Building which is located on the University of South Alabama Medical Center Campus. The program is under the direction of the Principal Investigator, Frank S. Pettyjohn, M.D., with Afifa Halim-Kirolos, M.D., as the Director of the Clinical Research Division. All members of the Attending Faculty of the Department of Emergency Medicine support the ongoing clinical research studies. Current projects cover a wide range of clinical areas, ranging from anti-hypertensive agent trials, dyslipidemic treatment trials, and cardiovascular therapy trials. This clinical research provides a unique opportunity, clinical support, and an educational location for the Department of Emergency Medicine.
2006-2007
Summary of Scholarly Activities
Department of Family Medicine

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters

B. Articles in press


II. PUBLISHED ABSTRACTS


III. BOOKS PUBLISHED

IV. PRESENTATIONS

Adams MA, Snow DD. Shrink rap: creating tighter relationships with residents and patients. Paper presented at: 27th Annual STFM Conference on Families and Health; 2007 Mar 1; Austin, TX.

Molokhia E. Group office visits – Establishing a role in an academic practice. Lecture presented at: Society of Teachers of Family Medicine Conference on Practice Improvement; 2006 Nov 10; Denver, CO.


Perkins RA. Beyond COPC: nurturing and maintaining longitudinal collaborations with community agencies. Paper presented at: Society of Teachers of Family Medicine Annual Meeting; 2007 Apr 27; Chicago, IL.
V. NATIONAL PROFESSIONAL RECOGNITION

Allen Perkins continues to serve on the Board of Directors of the Alabama Academy of Family Physicians. He also served as Chair of the Alabama Academic Family Medicine Council and as a member of the Communications and Technology Committee for the Association of Family Medicine Residency Directors and the Program Committee for the Association of Departments of Family Medicine.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

Following an adjunct appointment with the department, Dr. R. Lamar Duffy joined the full time faculty in July as Assistant Professor. Prior to his appointment he was in private practice in Saraland for twenty years. A graduate of the University of South Alabama, he is an active member of the Medical Alumni Association and currently serves as President. Dr. Duffy’s special interests are in health maintenance and medical uses of technology.

Dr. Amanda McBane will join the faculty in October after completing her postgraduate training in Family Medicine. Dr. McBane will have a leadership role in the department’s required third year clerkship. She will join her faculty colleagues in Family Medicine who are active in primary care obstetrics.

Dr. Angela Vinti and Dr. Brock Woodis joined the faculty in August at the rank of Adjunct Assistant Professor. They hold Assistant Professorships with the Auburn University Harrison School of Pharmacy and have the responsibility for coordinating clinical experiences for the Auburn University Pharm.D. students at the USA Hospitals and the Family Medicine Center.

Dr. Larry Henderson resigned in March to enter private practice in Mississippi. His role as Director of Predoctoral Education has been filled by Dr. Carol Motley.

Dr. Michael Linder was named Medical Director of USA’s Department of Physician Assistant Studies. Dr. Linder has a history of supporting PA education as a partner in primary care medicine and this affiliation will strengthen the educational programs of both of our departments.

Dr. Tanglea Atkinson was honored by the graduating Family Medicine residents as “Clinical Teacher of the Year-2007.”
The Department was honored by Wyeth Pharmaceuticals with an award of $10,000 for our efforts regarding childhood vaccination in a national competition. Improved immunization services were documented at 30% absolute improvement in performance – the highest rate of improvement for those programs submitting data.
2006-2007
Summary of Scholarly Activities
Department of Internal Medicine

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


Crook ED, Howard D. Diagnosis and treatment of hypertension in special populations. Urgent Care 2007; 2:37-44.


B. Articles in press


Downey JM, Davis AM, Cohen MV. Signaling pathways in ischemic preconditioning. Heart Fail Rev. Forthcoming.


McLean OR, Herrera JL. Acute hepatitis C infection. Pract Gastroenterol. Forthcoming.


Tissier R, Cohen MV, Downey JM. Protecting the acutely ischemic myocardium beyond reperfusion therapies: are we any closer to realizing the dream of infarct size elimination? Arch Mal Coeur Vaiss. Forthcoming.

Tissier R, Berdeaux A, Ghaleh B, Couvreur N, Krieg T, Cohen MV, Downey JM. Making the heart resistant to infarction: how can we further decrease infarct size? Front Biosci. Forthcoming.

26

II. PUBLISHED ABSTRACTS


Culpepper RM. Improved interpretation of office dipstick proteinuria. Proceedings of Southern Medical Association Meeting; 2006 Nov.


King JA, McDonald F, Obiako B, Haynes J. Utilization of thick sections for evaluation of red blood cell adhesion in the lung. Microscopy & Microanalysis 2007 Meeting;2007 Aug 8; Fort Lauderdale, FL.


III. BOOKS PUBLISHED

IV. PRESENTATIONS

Allison RC. Paper presented at: Tri-State Thoracic Conference – Coordinator / Sponsor of presentation by USA Pulmonary Fellows; 2007 Jan 12; Biloxi, MS.

Arrieta MI, Hanks R, Bryan N. Building the academic end of a participatory research enterprise. Poster presented at: Community Campus Partnerships for Health; 2007 Apr 11; Toronto, Canada.


Bass JB Jr. Tuberculosis, mummies and vampires: an interrupted history of man, cows and the arts. Paper presented at: Grand Round AG Holley Hospital; 2007 May 9; Lantana, FL.


Broughton WA. Who is hypnos and why should I care? Paper presented at: USA College of Medicine Alumni Association Meeting; 2007 Jun 15; Orange Beach, AL.


Broughton WA. The lowdown on central sleep apnea and hypopnea. Paper presented at: 37th Annual Tri-state Respiratory Care Conference; 2007 Jul 25; Bay St. Louis, MS.

Calhoun D, Glazer R, Pettyjohn F, Coenen P, Grosso A, Khan M. Control of severe hypertension with the combination of valsartan/hydrochlorothiazide as initial therapy. Paper presented at: 22nd Annual Scientific Meeting American Society of Hypertension; 2007 May 19; Chicago, IL.

Cohen MV. The dual role of superoxide anions in signaling and injury in ischemia-reperfusion. Paper presented at: American Heart Association Cardiovascular Seminar; 2006 Nov 14; Chicago, IL.

Crook ED. Health disparities in chronic diseases. Paper presented at: Gulf Coast Regional Health Disparities Symposium; 2006 Jul 26; Mobile, AL.


Crook ED. Who’s the boss (discussion of forces impacting delivery of health care and physician-patient relationship). Paper presented at: University of South Alabama College of Medicine Alpha Omega Alpha Spring Meeting as Faculty Inductee; 2007 Apr 19; Mobile, AL.

DiPalma JA. Approach to the diagnosis of inflammatory bowel disease. Paper presented at: Southeast Region First Year Fellows Symposium; 2006 Sep 22; Orlando, FL.

DiPalma JA. Introduction to endoscopy. Paper presented at: Southeast Region First Year Fellows Symposium; 2006 Sep 22; Orlando, FL.

DiPalma JA. Fellow’s Program. Invited speaker at: Texas Society of Gastroenterology and Endoscopy; 2006 Sep 15; San Antonio, TX.

DiPalma JA. Teaching new technology. Paper presented at: Gastroenterology Training Directors Meeting; 2007 Mar 2; San Antonio, TX.


Haynes I. Sickle cell disease, not me. Paper presented at: Association of America – Central Alabama Chapter; 2006 Oct 21; Prattville, AL.

Herrera JL. Hepatitis B – who to treat. Paper presented at: American College of Gastroenterology Post-Graduate Course; 2006 Oct 23; Las Vegas, NV.

Herrera JL. Course Co-director. American College of Gastroenterology Post-Graduate course; 2006 Oct 22; Las Vegas, NV.


Herrera JL. Difficult liver cases. Paper presented at: American College of Gastroenterology Walter Reed GI Meeting; 2007 Mar 23; Washington, DC.

Herrera JL. Primary care of hepatitis C. Paper presented at: American Academy of Physicians Alabama Chapter Meeting; 2007 Jun 29; Orange Beach, AL.


Howell D, Blair J. Weak in the knees. Paper presented at: Southern Society of General Internal Medicine Meeting; 2007 Feb 9; New Orleans, LA.
Hundley T, Montgomery T. Tell me where you have been again? A case of pulmonary infiltrates. Poster presented at: Southern Society of General Internal Medicine Meeting; 2007 Feb 9; New Orleans, LA.


Jean S, Montgomery T. The pig MAC. Poster presented at: Southern Society of General Internal Medicine Meeting; 2007 Feb 9; New Orleans, LA.


Landreneau S, Montgomery T. A disease that is becoming more difficulty to treat. Paper presented at: Southern Society of General Internal Medicine Meeting; 2007 Feb 9; New Orleans, LA.


Omar B. Lipid control in two different cardiology clinics managed by the same cardiologist (P135). Paper presented at: 8th Scientific Forum on Quality of Care and Outcomes Research in CVD and Stroke; 2007 May 11; Washington, DC.

Omar B. Enhancing lipid measurement and management in a primary cardiology clinic (P25). Paper presented at: 8th Scientific Forum on Quality of Care and Outcomes Research in CVD and Stroke; 2007 May; Washington, DC.

Pettyjohn FS. Heart failure in aircrew. Paper presented at: FAA Aviation Medicine Seminar; 2007 Mar 17; Seattle, WA.

Pettyjohn FS. Aviation medical evaluation of the pilot with significant coronary artery disease. Paper presented at: FAA Aviation Medicine Seminar; 2007 Mar 17; Seattle, WA.

Pettyjohn FS, Bernstein S, Quattlebaum M. Lipids and treatment in aircrew. Paper presented at: International Congress of Aviation and Space Medicine; 2007 Sep 16-20; Vienna, Austria.


Roth S, Montgomery T. Another type of emphysema. Poster presented at: Southern Society of General Internal Medicine Meeting; 2007 Feb 9; New Orleans, LA.


Vande Waa JA. Travel medicine. Paper presented at: University of Alabama-Medicine Grand Rounds; 2007 Apr 26; Montgomery, AL.

Voelkel JP, Blair J. When antibiotics are not enough. Paper presented at: Southern Society of General Internal Medicine Meeting; 2007 Feb 9; New Orleans, LA.


V. NATIONAL PROFESSIONAL RECOGNITION

William A. Broughton served in the following capacities: Member Board of Directors Tri-State Respiratory Care Conferences.

Michael V. Cohen served on the Editorial Board of Basic Research in Cardiology.

Errol D. Crook served in the following capacities: NIH/NHLBI Observation Study Monitoring Board (Family Heart Study Sub-clinical Atherosclerosis Network) FHS-SCAN, 2001-2006; Data Safety Monitoring Board: PO1-AG021654-01: Institute of Aging Research; Albert Einstein School of Medicine 2003-2007; Howard Hughes Medical Institute Pre College Initiative for Biomedical Institutions, 2006-2007; Ad hoc grant reviewer: 2006, National Kidney Foundation, Michigan Chapter; Editorial boards: Journal of Investigate Medicine, The American Journal of the Medical Sciences (Associate Editor).

Jack A. DiPalma served in the following capacities: Trustee, American College of Gastroenterology, Board of Trustees, 1995-2007; President, American College of Gastroenterology, 2005-2006; Immediate Past-President, American College of Gastroenterology, 2006-2007; Group of 8, Quadripartite Society Workgroup, 2004-2006; Executive Committee, American College of Gastroenterology, 2001-2007; Board of Directors, American College of Gastroenterology Institute for

Johnson Haynes served in the following capacities: President, Alabama Sickle Cell Assoc. Oversight Regulatory Commission; Member, Sickle Cell Advisory Committee (NIH); Comprehensive Sickle Cell Center Program (CSCC) Data and Safety Monitory Board (DSMB) for the Clinical Trials Consortium (NIH); Member, Membership Committee (ATS).

Jorge L. Herrera served in the following capacities: Board of Advisors – Liver Institute for Education and Research; Section Editor – Viral Hepatitis, Practical Gastroenterology; Governor for Alabama, American College of Gastroenterology; Editorial Board, Gastroenterology and Hepatology Journal; Best Doctor’s in American 2006-2007.

Clara V. Massey served on the National Speaker Board for ACC; State Speaker Panel for Al AHA Get with the Guidelines Campaign.

Majid Mughal served in the following capacity: Elected as a “Fellow” American College of Chest Physicians (FCCP) 2007.

Bassam Omar served as Manuscript Reviewer: Medical Education Online.

Frank S. Pettyjohn served as Cardiology consultant to the Federal Aviation Administration; Board of Directors and President, International Academy of Aviation and Space Medicine.

Rayburn F. Rego served in the following capacities: American Society for Gastrointestinal Endoscopy Web Site Committee.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

Education

The department has continued to excel in its educational activities. Again, the Internal Medicine Clerkship was recognized as the best clerkship for third year medical students by the Class of 2007. Several of the departmental faculty were recognized with the red sash award for their educational efforts. Dr. Crook, Department Chair, was chosen by the USA COM Class of 2007 to deliver their
address at Honors Convocation. Clearly, the department continues to meet its educational mission and is being recognized by its chief customer, the pupils, for success in this endeavor. The core residency and all fellowships received certification this year. The internal medicine residency received certification for five years.

Administration

This academic year was the second full year for Dr. Errol D. Crook as chair of the department. Recruit efforts for leaders of divisions of cardiology and pulmonary critical care have made progress. Plans to expand clinical space on the USA Medical Center Campus have been developed. This initiative should allow for growth of unique clinical programs and recruitment of other physician leaders.

Scholarly Efforts

The department has continued to be productive in scholarly achievements. Most of these efforts are in the area of publication. The Divisions of Gastroenterology and Pulmonary Medicine had a particularly successful year in this arena. The department continues to have activity in clinical investigation, with the majority of these endeavors being pharmaceutical sponsored initiatives. The residents have been active in scholarly activity primarily through case reports and presentations at regional meetings. The chair will continue to encourage activities in investigator initiated, hypothesis driven research amongst faculty and residents. A number of such initiatives are underway. We are excited about recruitment of faculty with a primary focus on research in pulmonary.

Service

The department has maintained its activities of clinical service. In many areas we have been able to grow our clinical efforts. We continue our general internal medicine service at the Mobile Infirmary Medical Center. We have maintained our subspecialty efforts as consultants at Infirmary West Hospital.

Several members of the department have remained active in their service on editorial boards and grants review panels. Many of the department’s members are active in community organizations that focus on particular areas of disease as well as organizations focused on service to the Gulf Coast. Jack DiPalma, M.D., Chief Division of Gastroenterology completed his tenure as President of the American College of Gastroenterology, and remains very active as Past-President. Finally, several faculty members and residents provide considerable volunteer time to local institutions.
2006-2007
Summary of Scholarly Activities
Department of Medical Genetics

I. Published Journal Articles and Book Chapters

A. Full-length Published Articles and Book Chapters


B. Articles in Press

II. Published Abstracts


38


III. BOOKS PUBLISHED


IV. PRESENTATIONS


V. NATIONAL PROFESSIONAL RECOGNITION

Wladimir Wertelecki, M.D. was nominated International Coordinator – OMNI-Net – Ukraine, a not-for-profit international organization registered in Kyiv, Ukraine and dedicated to the prevention of birth defects and developmental disorders.
Tian-Jian Chen, Ph.D. was nominated to be board director for the Association of Chinese Geneticists in America. He is continuing to serve on the Editorial Board for Applied Immunohistochemistry and Molecular Morphology.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The COM II Medical Genetics Course continues to be updated. The latest changes included expansion of small group learning and web-based assignments. Every student is asked to explore and analyze our IBIS web site (http://www.ibis-birthdefects.org) and requires each student to engage in several hours of web explorations focused on a specific domain of human developmental pathology.

The Medical Genetics Course is uploaded annually to the University’s e-Companion online system, improving student-faculty interaction, as well as providing student access to learning materials and course schedules. Course evaluation by the students showed that the majority of this year’s class rated the course as “very good” or “excellent”. Furthermore, USMLE Step 1 scores in Genetics were again among the highest this year.

Two new elective courses in Medical Genetics were developed by the faculty year (CSD 694-102 and CSD 694-103). They are offered to interested Communication Sciences doctoral students from the Department of Speech Pathology and Audiology. Dr. Martinez serves as instructor for this course.

Clinical activities have expanded and continue to offer opportunities for training throughout southern Alabama. Medical and nursing students, pediatric residents and fellows actively participate during patient evaluations, not only in our core clinic in Mobile, but throughout our outreach system, as well. In this context, nursing students from the University of South Alabama, Troy University and Wallace Community College rotate regularly through our clinics. In addition, our department offers a pediatric genetics elective rotation for our pediatric residents. Most residents elect to participate in this experience and have offered high marks to the rotation.

Increasing demand for clinical services has required further expansion of the frequency of outreach clinics held in Dothan and Montgomery, Alabama. Yearly, in our core and outreach clinics, over 900 patients and families affected by a variety of genetic disorders, birth defects, mental retardation and other developmental disabilities are offered comprehensive medical evaluations and counseling.

The Diagnostic Molecular Genetics Laboratory is continuing to introduce new molecular diagnostic techniques for clinical service. New testing panels using Multiplex Ligation-dependent Probe Amplification (MLPA) techniques were
added to the laboratory testing list. Whole genome screening for deletion or duplication using oligo array-CGH techniques was validated and offered to patients with malformation and mental retardation. Research projects have been focused on the molecular mechanism of mental retardation diseases.

The Clinical Cytogenetics Laboratory has continued to increase its testing menu, especially in the area of FISH analysis. We now offer several new FISH testing panels for oncology, including panels of probes that assay for chromosome abnormalities common in CLL, MDS, Lymphoma and Myeloma. In the past year the average turn-around time by the lab has decreased by one to 2½ days for most tests. Both the Cytogenetics Laboratory and the Molecular Genetics Laboratory did well on the recent accreditation inspection by the College of American Pathologists passing the inspection with no deficiencies.

The Department continues to foster close links with state agencies and continues to receive financial assistance from the Alabama Department of Mental Health/Mental Retardation. Dr. Wertelecki was recently presented the 2006 Alabama Association for Retarded Citizens’ (ARC) Peter Leibert Community Prevention Action Award. The State March of Dimes called for an initiative to ensure that the “Alabama Birth Defects Surveillance and Prevention Program”, implemented by this department, secures state funding. The result is a consortium composed of the Alabama Departments of Public Health, Mental Health, Rehabilitation Services, March of Dimes, University of South Alabama and other agencies. The “State-wide Fetal Alcohol Prevention Program” coordinated by this department continues. The Ukrainian-American Birth Defects Program initiated through assistance of the USAID has ended and assumed by the OMNI-Net Ukraine (see Section 5 above). The International Consortium for collaborative initiatives on Fetal Alcohol Spectrum Disorders funded by the National Institutes on Alcohol and Substance Abuse continues its’ collaborative project with this department focused upon prospective studies of fetuses exposed to alcohol. The International Birth Defects Information Systems (IBIS) continues to attract a large number of unique visitors (approaching 1.8 million).
2006-2007
Summary of Scholarly Activities
Department of Microbiology and Immunology

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. Articles in press


Richard H, Foster JW. Sodium levels modulate the activities of the GadX and GadW regulators of Escherichia coli acid resistance. Microbiology. Forthcoming.


II. PUBLISHED ABSTRACTS


III. BOOKS PUBLISHED

IV. PRESENTATIONS

Wood DO. Invited Speaker. Genetics and proteomics of *Rickettsia prowazekii*: intracellular and proud of it. Paper presented at: WHO Collaborating Center for Tropical Diseases Infectious Disease and Immunity Colloquium. University of Texas Medical Branch; 2007 Mar 6; Galveston, TX.

Wood DO. Invited Speaker. Scrutinizing an old foe: genetics, proteomics and *Rickettsia prowazekii*. Paper presented at: Department of Microbiology, University of Chicago; 2007 Mar 12; Chicago, IL.

Wood DO. Invited Speaker. Scrutinizing an old foe: genetics, proteomics and *Rickettsia prowazekii*. Paper presented at: Department of Diagnostic Medicine/Pathobiology, College of Veterinary Medicine, Kansas State University; 2007 Apr 26; Manhattan, KS.

V. NATIONAL PROFESSIONAL RECOGNITION

Dr. John W. Foster is Chair. Division K, Microbial Physiology and Metabolism, American Society of Microbiology; Subsection Editor for *Escherichia coli*, *Salmonella* Cellular and Molecular Biology ASM Press; Reviewer for Journal of Bacteriology, Molecular Microbiology, Trends in Microbiology.


Dr. John E. Oakes is Primary Reviewer, Journal of Immunology, and Ad hoc Reviewer for Investigative Ophthalmology and Visual Sciences.

Dr. David O. Wood is Chair, American Society for Microbiology (ASM) Membership Committee and a member of the ASM Committee on Ethics.

43
He also serves on the Editorial Board of *Infection and Immunity* and is an ad hoc reviewer for a variety of journals.

VI. **BRIEF SUMMARY OF ACTIVITIES AND PROGRESS**

Dr. David Wood during his first year as Chair initiated a search for new faculty members and started the process for renovations in the Microbiology and Immunology second floor section of the Medical Science Building. These renovations include removal of the asbestos which has deterred work in certain areas in the past.

Dr. Joseph W. Brewer, Associate Professor, accepted a faculty position in the Department effective July 1st. Previously, Dr. Brewer was an Associate Professor in the Department of Microbiology and Immunology at Loyola University Medical Center in Chicago.

As a department we continued to place a strong emphasis on teaching both medical and graduate students. This includes preparation to use electronic testing starting with the Fall 2007 Medical Microbiology and Immunology course. All of the Faculty participated in the Medical Microbiology course and in the IDL interdisciplinary courses. Dr. Rohrer served as Course Director for Medical Microbiology, and Dr. Wood served as Course Director for the 2006-2007 IDL courses. Dr. Audia will serve as Course Director for the 2007-2008 IDL courses. Dr. Oakes was Course Director for the Microbiology section of the BEAR program. The Department continued to conduct a hands-on medical microbiology laboratory directed by Dr. Foster. Drs. Audia, Foster and Lausch each sponsored a medical student during the Summer as part of the Summer Medical Student Research Program. Dr. Foster also, mentored a student from the University Summer Undergraduate Program and a graduate student from the Biology Department. The Department also hosted four scientists for the Distinguished Scientist Seminar Series and to meet with the departmental faculty and students. Dr. Nitin J. Karandikar from the University of Texas Southwestern Medical Center presented a seminar entitled “Therapeutic Immune Regulation in Multiple Sclerosis”. Dr Everett P. Greenberg from the University of Washington presented a seminar entitled “Sociomicrobiology: Quorum Sensing and Biofilm Formation in *Pseudomonas aeruginosa*”. Dr. Roberto Kolter, from Harvard Medical School presented a seminar entitled “The Existential Question of Bacteria: To Be Unicellular or Multicellular”. Dr. Lynn Marks, a former faculty member, who is currently at GlaxoSmithKline presented a seminar entitled “The Challenges of Anti-Infective Drug Discovery.”
The Department continues several active research programs that remain a major focus of faculty activities. These include research on the obligate intracellular bacterium, *Rickettsia prowazekii*, by Drs. Audia, Winkler, and Wood, herpes virus ocular immunobiology studies conducted in the laboratories of Drs. Lausch and Oakes, and studies on the physiology and genetics of enteric pathogens by Dr. John Foster. In addition, Drs. Rohrer and Barsoum, continue to investigate the role of a unique oncofetal immunogen (OFA). These studies have led to promising collaborative studies in the treatment of selected cancer patients and the issuance of two patents.

Drs. Coggin, Barsoum and Rohrer received an award from VRI, Inc. entitled: "OFA/iLRP-Dendritic Cell Vaccine Immunotherapy Trial in Breast Cancer Patients" with an approved budget of $1,000,000 for the 2007 - 2009 funding period. These funds will be used to initiate a clinical trial of their Oncofetal Antigen (OFA), a patented immunizing agent used in the preparation of a customized vaccine. The OFA/iLRP-dendritic cell vaccine is based on research headed by the former Chair and Professor Emeritus Dr. Coggin.

Dr. Jonathon P. Audia, Assistant Professor, has received an additional NIH R21 award. This project entitled: "Identification of Metabolic Virulence Factors in the Epidemic Typhus *Rickettsia*" is designed to further our understanding of rickettsial virulence factors and focuses on rickettsial membrane biogenesis. The goal is to identify and characterize metabolic virulence factors and determine if they are suitable candidates to construct attenuated, avirulent mutants that could serve as a prototype for a live vaccine strain.

45
I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. Articles in press


II. PUBLISHED ABSTRACTS


III. BOOKS PUBLISHED

IV. PRESENTATIONS

Bassam B. Rational algorithmic approach for diagnosis of peripheral neuropathy. Paper presented at: University of Arkansas Medical Center; 2006 Dec 1; Little Rock, AK.


Bassam BA. Neuromuscular weakness in the intensive care unit. Paper presented at: University of Southern California Medical Center; 2007 March 13; Los Angeles, CA.


Maertens P. Levetiracetam monotherapy in neonatal stroke complicated by focal seizures. Poster presented at: American Epilepsy Society Meeting; 2006 Dec 2; San Diego, CA.


Zweifler R. Diagnosis and management of acute stroke. Paper presented at: Grand Rounds, DW McMillan Hospital; 2006 Oct 19; Brewton, AL.

Zweifler R. Management of stroke in 2006. Paper presented at: Grand Rounds, VA Medical Center; 2006 Dec 6; Wilmington DE.


Zweifler R. Best practices for managing ischemic stroke in 2007. Paper presented at: Grand Rounds, Oak Forest Hospital of Cook County; 2007 Jan 10; Oak Forest, IL.


Zweifler R. Staving off the consequences of atherothrombotic cross risk: strategies to prevent post-stroke vascular events. Paper presented at: Ground Rounds, Bluefield Regional Medical Center; 2007 Mar 29; Bluefield, WV.


Zweifler R. Ischemic stroke: Initiating early treatment and sustaining chronic care to reduce disease cross-risk and vascular events. Paper presented at: Distinguished Lecture Series, Integris Baptist Medical Center; 2007 Apr 25; Oklahoma City, OK.


V. NATIONAL PROFESSIONAL RECOGNITION

Bassam BA. Served as a national examiner of the American Association of Neuromuscular and Electrodiagnostic Medicine (AANEM).

Bassam BA. Served as Workshop Committee Chairman, American Association of Neuromuscular and Electrodiagnostic Medicine (AANEM). Dr. Bassam served as a member of the Advisory Committee of The American Association of Neuromuscular and Electrodiagnostic Medicine (AANEM).

Zweifler RM. Nominated to serve as an abstract grading consultant for the International Stroke Conference.


Zweifler RM. Nominated to serve on the American Stroke Association Southeast Affiliate, Heart & Stroke Strategic Initiatives Committee.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The Department of Neurology’s outpatient clinic experienced an increase in patient evaluations, with improved patient insurance mix. Additionally, the number of consults at Infirmary West and the Long Term Care facility have slightly increased over the last year. The Neurology residents’ performance on the national in-service neurological examination continued to increase. Our core neurology rotation for the third year medical students continues to be rated highly and has stimulated several students to pursue a neurological career.

The number of patients admitted to the epilepsy pediatric monitoring unit has increased. This unit is a considerable financial resource, providing a required component to our residency educational program, and is pivotal in sustaining our epilepsy research base.
Major directions of the department are to accommodate the number of outpatient referrals, continue increasing research funding, increase supplementation of faculty salaries to match national measures from research dollars, and increase our scholarly activities through peer-reviewed publications.

Under Dr. Zweifler’s leadership, the vascular neurology fellowship received ACGME accreditation in May 2007 and the USA Medical Center received JCAHO certification as a primary stroke center in September 2007. In addition to active participation in several NIH and industry-sponsored clinical trials, the USA Stroke Center was selected to participate in an NIH-sponsored demonstration project to develop a local network for stroke clinical research in the Mobile region.

In conclusion, the department has made progress, including diversification, and markedly increased research activities and funding. The department continues to provide excellence in teaching and neurological care.
2006-2007
Summary of Scholarly Activities
Department of Neurosurgery

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters

B. Articles in press


II. PUBLISHED ABSTRACTS

III. BOOKS PUBLISHED

IV. PRESENTATIONS

V. NATIONAL PROFESSIONAL RECOGNITION

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The Department of Neurological Surgery has had continued success with its electronic health record which allows web based patient registration. Patient feedback has been very positive concerning this feature. The neurosurgical clinic has experienced an increase in referrals. The department continues to sponsor a weekly conference at USAMC which serves as an excellent collaborative effort with neurology and neuroradiology. The departmental office relocated to 3 Mobile Infirmary Circle, Suite 312, in August. The new office location is central to all of the hospitals covered by the department. The department has instituted on-site and on demand stealth navigation technology provided by Medtronic Corp. for providing accurate location of cerebral lesions.

Dr. Eugene Quindlen continues to participate in medical education in the College of Medicine, giving lectures in Neuroanatomy, Neuropathology, Neurophysiology and lectures for third-year medical students rotating on the surgical clerkship. The rotation of general surgery residents and neurology residents on the neurosurgical service continues to be a main, ongoing teaching function.
Dr. Quindlen proctored the first course in the Mobile area on X-Stop technology for the treatment of lumbar stenosis. The course instructed spine surgeons on the use of this new technology.

Dr. Anthony Martino continues the department's participation in Children's Rehabilitative Services for the state of Alabama and has expanded the departments coverage of pediatric neurosurgical care at the Children's and Women's Hospital. Dr. Martino has developed a close working relationship with the radiotherapy department of the USA Mitchell Cancer Institute to provide state-of-the-art stereotactic radiosurgical treatment for cancer patients.

Sharon Pelekanos, Physician Assistant, PA-C, joined the Department of Neurosurgery on August 31, 2007.
2006-2007
Summary of Scholarly Activities
Department of Obstetrics and Gynecology

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. Articles in press


53


II. PUBLISHED ABSTRACTS

Porter KB, Brooks N, Beard, W. Obesity screening in pregnancy with registry development. University of South Alabama, College of Medicine 34th Annual Medical Student Research Day; August 3, 2007; Mobile, AL.

Sherman C. A novel approach to evaluate resident systems-based practice and problem-based learning improvement. CREOG and APGO Annual Meeting; 2007 Mar; Salt Lake City, UT.

III. BOOKS PUBLISHED


IV. PRESENTATIONS


Finan M. Update on gynecological CA. Paper presented at: Sixteenth Annual Continuing Education Conference in Obstetrics and Gynecology; 2007 Apr 13; Mobile, AL.


Owens SA, Hamlin GP. Cosmetics in the OB office. Paper presented at: Sixteenth Annual Continuing Education Conference in Obstetrics and Gynecology; 2007 Apr 13; Mobile, AL.


Porter KB. Impact and scope of epilepsy: adolescents, pregnancy, menopause. Paper presented at: Epilepsy Foundation of South Alabama Presents Women and Epilepsy Forum; 2007 Mar 23; Mobile, AL.

Rizk B. Osteoporosis and evaluation. Paper presented at: Sixteenth Annual Continuing Education Conference in Obstetrics and Gynecology; 2007 Apr 13; Mobile, AL.

Rizk B. OHSS. Reproductive function/stem cell research. Paper presented at: Egyptian Fertility and Sterility Society, 12th International Annual Conference; 2007 Sept 4-7; Cairo, Egypt.


Sherman C, Porter KB, Owens S. Developing an obstetrical and surgical simulation lab for residents and medical students. Paper presented at: APGO Faculty Development Seminar; 2007 Jan 6-9, Amelia Island, FL.

Sherman C. Update on preterm labor - case reviews. Paper presented at: Sixteenth Annual Continuing Education Conference in Obstetrics and Gynecology; 2007 Apr 12; Mobile, AL.

Sherman C. Sexuality, hormones and epilepsy. Paper presented at: Epilepsy Foundation of South Alabama Presents Women and Epilepsy Forum; 2007 Mar 23; Mobile, AL.
Thorneycroft J. The pros of hormone replacement. Paper presented at: Sixteenth Annual Continuing Education Conference in Obstetrics and Gynecology; 2007 Apr 12; Mobile, AL.


Varner S. Controversial and less common vaginitudes. Paper presented at: Sixteenth Annual Continuing Education Conference in Obstetrics and Gynecology; 2007 Apr 13; Mobile, AL.

V. NATIONAL PROFESSIONAL RECOGNITION

Dr. Kathy B. Porter is a National Board Examiner for the American Board of Obstetrics and Gynecology. Dr. Porter has been reviewer for the American Journal of OB/GYN and Obstetrics and Gynecology.

Dr. Botros Rizk has been an Ad hoc reviewer for 12 years to the Journals of Fertility and Sterility, Human Reproduction, Molecular Human Reproduction, Middle East Fertility Society, Journal of Reproductive Biomedicine, Online American Journal of Obstetrics and Gynecology and is on the Editorial Board of the Middle East Fertility Society Journal Publication.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The Department once again sponsored a very successful CME program this academic year. The 16th Annual Continuing Education Conference in Obstetrics and Gynecology, held at the Mobile Convention Center in Mobile, was widely supported and attended by physicians, nurse practitioners, nurse midwives and nurses from a large geographic area. There were over 200 registrants for this conference. The largest number noted in 5 years.

Dr. Nicole Brooks serves as the Medical Director for the Center for Women’s Health and Center Street OB/GYN. She is establishing urogynecology and aesthetic services within the OB/GYN Department. She serves on the Medication Use Committee.

Dr. Susan L. Baker is part time faculty and focuses on clinical care.

Dr. Sheri Owens continues as Clerkship Director for the department. She served on the Curriculum Committee and the Department Education Committee.
Dr. Frankie Bodie serves as generalist and received the "Most Outstanding Faculty Member" Award from the OB/GYN Residents.

Dr. Hany Faheem Moustafa is a research fellow in the REI division and he is specifically working on pre-implantation genetic diagnosis. He is also assisting Dr. Rizk with the Textbook of Infertility and Assisted Reproduction which is forthcoming.

Dr. Michael Finan is Director of the Oncology Division for the Department. He has been successful in expanding our surgical numbers for our residency training. He received the "Best Teaching Faculty" Award from the OB/GYN Residents this past year.

Dr. Walter Hogan functions as a part time clinical faculty member and focuses on clinical care and the Colpo clinic.

Dr. John LaFleur serves as generalist and received the "APGO Excellence in Teaching" Award by the recommendation of the OB/GYN Residents.

Dr. Kathy B. Porter is a Board Member for the local March of Dimes and a National March of Dimes Representative. She was member Chair of the Regional Perinatal Committee and a Committee Member for the Fetal Infant Mortality Review for Mobile County and the Alabama Baby Coalition. She is Vice Chair of the State Perinatal Committee, University and hospital committees include OB/GYN Committee, Medical Executive Committee, Medication Use Committee, and OB/GYN Performance Improvement Committee. For the University she is on the following committees: Graduate Medical Education, CME, Faculty Senate representative and Research Advisory Committee. She is a reviewer for Obstetrics and Gynecology, the American Journal of Obstetrics and Gynecology and the American Journal of Kidney Disease. Dr. Porter has been the principal investigator on the Columbia Laboratory study Prochiefve and the DEEP study. Dr. Porter is a member of the Department Education Committee, she is Director of the Ultrasound unit which is AIUM and ICAEL accredited. She served as the Program Director and recently the department successfully received a three year accreditation by the Residency Review Committee (RRC). Dr. Porter chairs the Department Education Committee.
Dr. Botros Rizk is a member of the Department of OB/GYN Laboratory QA Committee, Chairman 1999-Present, Medical and Scientific Director of the University of South Alabama IVF Program, Chairman of the American Society for Reproductive Medicine International Membership Committee. Ad hoc reviewer for the Journals of Fertility and Sterility, Human Reproduction, Molecular Human Reproduction Middle East Fertility Society, Journal of Reproductive Biomedicine. Online American Journal of Obstetrics and Gynecology and is on the Editorial Board of the Middle East Fertility Society Journal.

Dr. Craig Sherman serves as the Assistant Program director and as Medical Director for the Women’s Center. He is the Chair of the OB/GYN Committee for USA Children’s and Women’s Hospital and serves as Chair of the Department Education Committee. Dr. Sherman is a member of the University Institutional Review Board and the GME Committee, and he is a member of the Department Education Committee. Dr. Sherman has served as the Rotation Director for the Physician Assistant Students’ in OB/GYN.

Dr. Steven Varner continues in his capacity as Director of the Division of Gynecology. Dr. Varner served on the following committees: Committee on Admissions, Student Promotions and Evaluation Committee, Ethics Committee, President USACW Medical Staff, OB Pharmacy Committee, Combined Credentials Committee and Medical Executive Committee for USACW. Dr. Varner is a member of the Department Education Committee.
2006-2007
Summary of Scholarly Activities
Department of Orthopaedic Surgery

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. Articles in press


II. PUBLISHED ABSTRACTS


III. BOOKS PUBLISHED

60
IV. PRESENTATIONS

**Meyer FM.** Compensability of carpal tunnel syndrome. Paper presented at: Alabama Worker's Compensation Organization Annual Meeting; 2006 Nov 12-13; Orange Beach, AL.

**Meyer FM.** Entrapment neuropathies of the foot and ankle. Paper presented at: 18th Annual Southeastern Orthopaedic Foot Club Meeting; 2007 May 3; Point Clear, AL.

**Nimit Yongskul P.** Flat foot in children and adolescents; facts, fantasies and practical approaches. Paper presented at: 18th Annual Meeting Southeastern Orthopaedic Foot Club Meeting; 2007 May 3; Point Clear, AL.


**Nimit Yongskul P.** Huffman RR. Leukemia manifesting in a child as Legg-Calve-Perthes Disease. Paper presented at: Alabama Orthopaedic Society Annual Meeting; 2007 May 4-6; Point Clear, AL.


**Pearsall AW.** Physician reported prescription practices and complications with short-term oral corticosteroid use in competitive athletes. Paper presented at: Mid-America Orthopaedic Society Meeting; 2007 April 14; Boca Raton, FL.


**Pearsall AW.** Update on COX-2 inhibitors and non-selective NSAIDS: risks and efficacy in athletic competition. Paper presented at: 18th Annual Southeastern Orthopaedic Foot Club Meeting; 2007 May 3; Point Clear, AL.


Pearsall AW. Strain and force changes within the rotator cuff after a simulated tear using a dynamic model. Paper presented at: ISAKOS 6th Biennial Congress; 2007 May 27; Florence, Italy.

V. NATIONAL PROFESSIONAL RECOGNITION


Amy H. Phelan, M.D. Member, American Association of Pain Medicine and Rehabilitation Self Assessment Exam Committee.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

Scholarly activities from faculty members in the department include two manuscripts and three abstracts published in the medical literature and two manuscripts currently in press. In addition, Dr. Albert Pearsall published an article in Sports Medicine Update – the official newsletter of the American Orthopaedic Society for Sports Medicine. Fifteen presentations were given by faculty members at regional, national or international professional meetings. A sponsor agreement grant was obtained in the amount of $10,000 in support of a pain pump research study under the direction of Dr. Albert Pearsall. Dr. Mark D. Perry, an orthopaedic foot and ankle surgeon, was recruited as a full time faculty member at the level of Associate Professor. (Dr. Perry was formerly a faculty member in the department from 1997-2001.) The USA Orthopaedic Surgery Residency Training Program completed another outstanding academic year.
Two particularly exciting highlights were a direct result of our recent ACGME site visit. The USA Department of Orthopaedic Surgery Residency Training Program was awarded three-year accreditation with no citations and special commendation for the extremely well-prepared Program Information Form. In addition, the request for an increase in our resident complement (from two residents to three residents each year) was granted, therefore, in March 2007 we obtained three PGY-1 residents in the National Match Program. Our Program was also approved by the ACGME to add a third resident at the PGY-2 level of training; as a result, 12 residents began at various PGY levels of training on July 1, 2007. We are pleased to report that the two residents who successfully completed our program in 2006 have passed the first of two examinations leading to certification by the American Board of Orthopaedic Surgery. Each of our 2006-2007 graduates were awarded Fellowship positions to continue in orthopaedic sub-specialty training. Todd B. Edmiston, MD accepted an Adult Reconstruction Fellowship position in Birmingham, Alabama and Clinton W. Howard, IV, MD will continue specialized training in Orthopaedic Spine Surgery in Houston, Texas. It is also noteworthy to announce that Gail M. Driver, Residency Program Specialist in the USA Department of Orthopaedic Surgery has achieved certification status by meeting the certification requirements set forth by TAGME (Training Administrators in Graduate Medical Education). TAGME certification is attained through a challenging two-step assessment process and Ms. Driver is currently one of eleven orthopaedic surgery coordinators across the US to have gained this distinction. The Department sponsored the Southeastern Orthopaedic Foot Club Annual Meeting for the 18th consecutive year with Dr. Frederick Meyer serving as Course Chairman. This CME meeting is held in conjunction with the Alabama Orthopaedic Society’s Annual Meeting. Dr. Frederick N. Meyer and Dr. Albert W. Pearsall were both selected as one of the Best Doctors in America by The Best Doctors in America for 2005-2006. Dr. Meyer again received this same distinctive award for 2006-2007 and, in addition, was named one of America’s Top Orthopedists for 2007 by the Consumer Research Council of America. Dr. Meyer was also elected Secretary-Treasurer for the Clinical Orthopaedic Society.
2006-2007
Summary of Scholarly Activities
Department of Pathology

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. **Articles in press**


II. **PUBLISHED ABSTRACTS**


III. BOOKS PUBLISHED

IV. PRESENTATIONS


Nelson JN, Carter JE. Yersinia enterocolitica sepsis in a four-month-old infant following exposure to chitterlings. Poster presented at: American Society for Microbiology Annual Meeting; 2007 May 21-25; Toronto, Canada.


Taylor J, Sosnowski JS. Identifying age related cellular changes in brain compared to neoplastic cytological features with cytological smear preparations. Poster presented at: The American Association of Clinical Anatomists Annual Meeting; 2007 Jun 16-20; Las Vegas, NV.

Tucker JA. Ultrastructural evaluation of renal allograft biopsies. Paper presented at: International Academy of Pathology; 2006 Sep 16-24; Montreal, Quebec, Canada.


V. NATIONAL PROFESSIONAL RECOGNITION

Dr. Elizabeth Manci is principal investigator on a NIH subcontract with Rockefeller University on beta-3 integrins in platelet and vaso-occlusive disorders. She is a collaborator with Emory University on inflammation-induced endothelial adhesion in transgenic sickle mice and with NIH on a transgenic mouse model for acute chest syndrome. She is also involved with a study of secondary hemochromatosis in thalassemia and sickle cell disease.

She remains director of the Centralized Pathology Unit for Sickle Cell Disease and director of the Alabama Placenta Registry. She serves as a reviewer for the *Journal of Pediatric Pathology, Archives of Pathology, and Pediatric and Developmental Pathology*.

She was also elected to the board of censors for the Mobile County Medical Society and serves as a member of the Mobile County Board of Health. In addition, she is part of a new study of psychosocial factors in the treatment of children with cystic fibrosis in conjunction with Drs. Lawrence Sindel and Ernest Berger.

Dr. Allan Tucker was elected to membership in the Association of Clinical Scientists. He continued work as the Secretary and Treasurer of the History of Pathology Society which now has its office based at the University of South Alabama. He chairs the Pathologist-in-Training Award Committee for the Society for Ultrastructural Pathology, and serves on the board of the American Registry of Pathology and was a member of its nominating committee this year. He served on the executive council of the Association of Directors of Anatomic and Surgical Pathology, including work as the chair of that group’s Advisory Committee on Practice Management. He also serves on the Practice and Management Committee and on the Advocacy Committee of the Association of Pathology Chairs. He is a member of the Economic Affairs Committee of the College of American Pathologists, and serves on the Regulatory Workgroup of that committee. He is an ambassador for the United States and Canadian Academy of Pathology, and serves on the Educational Long-Term Strategic Planning Group, the F. Stephen Vogel Award Committee, and the nominating committee for that organization. He continues his membership on the Electron Microscopy Ad Hoc Review Group, performing quality assurance for the Veterans Affairs Electron Microscopy Program. He is an associate editor for the journal *Ultrastructural Pathology* and serves on the editorial boards of *Southern Medical Journal*, and *Annals of Clinical and Laboratory Science*. He was the program director for a symposium held at the International Academy of Pathology meeting in Montreal, Canada, entitled: “Electron Microscopy in Real Pathology.”
He is a co-principal investigator (principal investigator: Dr. Lalita Samant) on a Department of Defense-funded research project involving the hedgehog pathway and bone metastasis in breast cancer.

Dr. Elliot Carter was the invited Callendar-Binford Lecturer at the Armed Forces Institute of Pathology in Washington, D.C., where he gave a presentation entitled: "Infectious Disease Post–Hurricane Katrina." He served as principal investigator on four grants from industry. He continues as an inspector for the College of American Pathologists laboratory inspection program, and he was elected to the board of censors of the Mobile County Medical Society.

Mr. Michael Titford serves on the Health and Safety Committee of the National Society of Histotechnology.

Dr. Gary Carnahan is an assessor for the American Association of Blood Banks, and he also serves as a lead inspector as part of the laboratory inspection program of the College of American Pathologists.

Dr. Andrea Kahn was selected to serve as a guest editor for the journal Ultrastructural Pathology and was a team leader for the laboratory inspector program of the College of American Pathologists.

Dr. Kimberley Patterson was appointed to the editorial board of the Southern Medical Journal.

Dr. Leroy Riddick had an invited presentation at the Fourth Annual Seminar on Forensics Sciences for the Federal Public Defender’s Program in New Orleans.

Dr. Jacek Polski serves on the editorial board of Annals of Clinical and Laboratory Science.

Dr. Jeff Sosnowski continues work in national courses for USMLE Step 1 preparation, providing 150 hours of lectures per year in embryology, histology, gross anatomy, and pathology.

Dr. Karen Kelly serves on the Alabama Child Death Review Committee and on the Alabama/Mobile County Emergency Management Committee. She is also a member of the State Mortuary Team and the Disaster Mortuary Team for the Federal Government. She serves as a reviewer for the Journal of Cardiovascular Pathology.
VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

This year has seen a series of major changes and developments in the department, especially in conjunction with the alliance that the university has developed with the Infirmary Health System. The department concluded a contract with the Infirmary Health System to provide autopsy services for the four hospitals in that system (including Infirmary West). The department also provides some to all of the autopsy coverage for at least seven additional hospitals, so the departmental autopsy service now truly represents a regional service. Dr. Kim Patterson is doing a superb job directing that service, and with the cooperation of the residents and faculty, she has made great strides in improving turnaround times.

The department also reached a contractual agreement with Gulf Regional Pathologists (the Mobile Infirmary pathology group). This agreement has a number of significant components. The anatomic pathology services at Infirmary West are now under the direction of that group, and all of their dermatopathology work is performed at that institution, providing an educational opportunity for the pathology residents. The general surgical pathology work at Infirmary West is performed by pathologists from that group two days a week, and for three days a week the services are provided through an independent contractor arrangement by faculty in the department working for that private group. Two residents continue to rotate at Infirmary West, working with both the private practitioners and the faculty there. In addition, the private group has named Dr. Polski as its director of flow cytometry, and he has begun an active, daily diagnostic role in hematopathology and flow cytometry at Mobile Infirmary. In addition, the department was able to add an additional residency slot, bringing our total residency number to thirteen, and has opened a continuous, upper level residency position at Mobile Infirmary. This arrangement has augmented the residency training program with a wealth of additional exposure, and the private pathologists have made it an excellent experience for the residents. We look forward to continuing and extending our mutually beneficial interactions with the private group.

Along somewhat similar lines, the area hospitals worked together in support of the opening of a new community blood center, LifeSouth Community Blood Bank, Coastal Division; Dr. Gary Camaahan was named the medical director of that blood bank.

Dr. Carole Boudreaux and Dr. Andrea Kahn continued their outstanding roles as residency program director and associate program director, respectively. Two residents completed the program this year. Dr. Tara Evans, our chief resident, embarked on a surgical pathology fellowship at Washington University in St. Louis. Dr. Kressida Cain chose a surgical pathology fellowship at East Carolina.
The department was fortunate to recruit three outstanding new residents into the program: Dr. Stephen Hays, Dr. Suman Goel, and Dr. Sreelakshmi Ravula.

Having already served admirably for an extended period doing much of the administrative work, Dr. Elliot Carter was named as the director of the clinical laboratories at the University of South Alabama.

This year, the Betsy D. Bennett Award for Outstanding Teaching in the second year small group was presented to Dr. Zhuang Zuo. The Faculty Recognition Award for excellence in residency teaching was presented to Dr. LeRoy Riddick. Ms. Debbie Buck in histology received the award from the housestaff as the outstanding staff member contributing to their educational experience. The graduating student receiving the William A. Gardner, Jr., Pathology Award was Ms. Tara Brens. The Electron Microscopy elective received the award as the best senior rotation. Two faculty members were selected for the red sash award by the graduating senior students this year: Dr. LeRoy Riddick and Dr. Allan Tucker.
2006-2007
Summary of Scholarly Activities
Department of Pediatrics

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


72


73


B. Articles in press


74


II. PUBLISHED ABSTRACTS


III. BOOKS PUBLISHED

IV. PRESENTATIONS

Bar-on M, Trimm F. Visiting Professor, Dartmouth Medical School. Everyone has a say: implementing 360° evaluations. Workshop presented as part of Visiting Professor activities to: the Graduate Medical Education Committee and guests at Dartmouth Medical School; 2006 Sept 6; Hanover, NH.

Bhowmick SK. Incidence of thyroid stimulating hormone elevation and prevalence of autoimmune thyroid disease in childhood obesity. Paper presented at: Southern Pediatric Endocrine Society Meeting; 2006 Nov 10; Birmingham, AL.


Chung AM. Panel discussion. ACCP Strategic Planning Focus Group; American College of Clinical Pharmacy; 2006 Oct 27; St. Louis, MO.

Clement LT. The USA BreathMobile Program: Asthma care in schools. Paper presented at: Mobile County Public School Nurses Meeting; 2007 Feb 5; Mobile, AL.

Clement LT. The University of South Alabama BreathMobile Program. Paper presented at: Mobile Pediatric Society Meeting; 2007 February 27; Mobile, AL.

Clement LT. The University of South Alabama BreathMobile Program. Paper presented at: Mobile County Public School Nurses Meeting; 2007 March 16; Mobile, AL.
Estrada B. Bacterial pathogens I, and Bacterial pathogens II. Papers presented at: Louisiana State University Pediatric Board Review; 2007 Jul 31; New Orleans LA.


Mancao M. Pediatric HIV update. Paper presented at: Sacred Heart Hospital; 2006 Oct 17; Pensacola, FL.

Mancao M. Consultant. Influenza. Paper presented at: Influenza Regional Consultant Meeting; 2006 Oct 21; Memphis, TN.

Preud’Homme D. Gastroesophageal Reflux Disease. Paper presented at: Faculty at Practical Pediatrics AAP; 2006 Dec 7; Santa Fe, NM.

Preud’Homme D. Constipation. Paper presented at: Faculty at Practical Pediatrics AAP; 2006 Dec 8; Santa Fe, NM.

Preud’Homme D. Metabolic syndrome in children. Paper presented at: Faculty at Practical Pediatrics AAP; 2006 Dec 9; Santa Fe, NM.

Preud’Homme D. Co-morbidities of severe obesity in the very young child. Paper presented at: Faculty at Practical Pediatrics AAP; 2006 Dec 7-9; Santa Fe, NM.

Preud’Homme D. Lipid disorder. Paper presented at: Sacred Heart Hospital; 2007 Mar 6; Pensacola, FL.


Rao A. Management of sickle cell and related hemoglobinopathies. Paper presented at: Sickle Cell Disease Association of America Education and Certification Course; 2007 May 21; Mobile, AL.

Swingle HM. Effect of extreme prematurity on the infant mortality rate. Paper presented at: Regional Perinatal Advisory Committee; 2007 Apr 19; Mobile, AL.


Voelkel JP, Blair-Elortegui J. When antibiotics are not enough. Poster presented at: Southern Society of General Internal Medicine; 2007 Feb 10; New Orleans, LA.

Wilson F. Medical consultant. Overview of sickle cell disease; and Overview of thalassemia. Papers presented at: Novartis Pharmaceuticals Training Session; 2006 Oct 11; Florham Park, NJ.

Wilson F. History of sickle cell disease; Introduction to genetics; and Overview of thalassemia. Papers presented at: Sickle Cell Disease Association of America; 2006 Oct 23 & 25; Mobile, AL.

Wilson F. Panel discussions. Minorities in subspecialty medicine; and Women in medicine. Papers presented at: Student National Medical Association Regional Conference; 2006 Nov 18; Mobile, AL.

Wilson F. Sickle cell disease; Thalassemia; and Genetic anemias. Papers presented at: Novartis Pharmaceuticals National Conference; 2007 Jan 10; Orlando, FL.

Wilson F. Medical consultant. Overview of sickle cell disease; and Overview of thalassemia. Papers presented at: Novartis Pharmaceuticals Training Session; 2007 Feb 27; Morristown, NJ.

Wilson F. Medical consultant. Overview of sickle cell disease; and Overview of thalassemia. Papers presented at: Novartis Pharmaceuticals Training Session; 2007 Mar 27; Florham Park, NJ.

Wilson F.  Overview of sickle cell disease. Paper presented at: Springhill Memorial Hospital Nurses’ Conference; 2007 Apr 13; Mobile, AL.


Wilson F.  Medical consultant. Overview on sickle cell disease; and Overview of thalassemia. Papers presented at: Novartis Pharmaceuticals National Conference; 2007 Jun 6; Morristown, NJ.

V. NATIONAL PROFESSIONAL RECOGNITION

Surendra Baliga served as a Reviewer for Archives of Pediatrics and Adolescent Medicine.

Samar Bhowmick served as a Reviewer for Endocrine Practice, Clinical Pediatrics, Pediatrics and Journal of the Southern Medical Association.

Allison Chung serves on the following American College of Clinical Pharmacy committees: Member Relations (Chair), Pediatric Practice and Research Network (PRN), PRN Educational Planning Committee, Education and Training PRN, PRN Networking Committee and PRN Finance Task Force. She also serves on the American Society of Health-Systems Pharmacists; American College of Clinical Pharmacology; Pharmaceutical Association of Mobile County; Pediatric Pharmacy Advocacy Group; Alabama Society of Hospital Pharmacy Section of Clinical Specialists and Scientists; and the American Association of Colleges of Pharmacy, AACP Pharmacy Practice Section, and Section of Teachers of Pharmacy.

Jennifer Cole served as the State Community Access to Child Health (CATCH) grant facilitator for the American Academy of Pediatrics. She was also elected as area member of the Alabama AAP chapter Executive Board, representing pediatricians and their interests in Mobile, Baldwin, Conecuh, Escambia, Monroe, Wilcox, Marengo, Choctaw, Clarke, and Washington counties.

LaDonna Crews served as Chair, Adolescent Medicine Committee of the Alabama Chapter, American Academy of Pediatrics and as a Reviewer for *Clinical Pediatrics.*

Benjamin Estrada was promoted to full Professor of Pediatrics. He is a member of the Scientific Advisory Council of the Society for Clinical Pediatrics. He continues to serve as the Institutional Representative for the Executive Council of the Southern Society for Pediatric Research and was Medical Staff President at USA Children's and Women's Hospital in 2006. He serves on the Editorial Board of *Pediatric Infectious Diseases Forum* and *Infections in Medicine.* He is a Reviewer for *Clinical Pediatrics, Infection Control and Hospital Epidemiology, Pediatric Infectious Diseases Journal,* and *Emerging Infectious Diseases.*

Charles Hamm continues to serve on the State Perinatal Advisory Committee.

Mary Marcao again served on the Alabama Department of Public Health Sexually Transmitted Disease Medical Advisory Council.

Daniel Preud’Homme successfully passed the American Board of Clinical Lipidology Certifying Examination and is officially board certified in Clinical Lipidology.

Kenneth Rettig served on the State of Alabama Newborn Screening Advisory Committee, and as a Reviewer for *Clinical Pediatrics.*

Hanes M. Swingle successfully passed the American Board of Pediatrics 2006 Developmental-Behavioral Pediatrics Certifying Examination and is officially board certified in Developmental-Behavioral Pediatrics. He is a reviewer for the *Journal of Developmental-Behavioral Pediatrics,* and for the topic area of Developmental-Behavioral Pediatrics for the Pediatric Academic Societies. He is a board member of the Southeastern Regional Foundation for Autism Spectrum Disorders. He serves on the Regional Perinatal Advisory Committee, and is a member of the State Infant Mortality and Morbidity Task Force.

Katrina Trammell served as President of the Mobile Pediatric Society.

R. Franklin Trimm served as Chair of the Education Committee of the Society of Developmental-Behavioral Pediatrics (SDBP). He is a member of the SDBP Program Planning Committee. He served as Associate Editor for the American Academy of Pediatrics Developmental-Behavioral Pediatrics Self-Assessment. He served on the DB PREP 2008 Planning Committee, and as a member of the AAP Committee on Pediatric Education. He continues to serve as a Faculty Member, Pediatric Academic Societies Educational Scholars Program. He again served on the Project Team for revision of the Ambulatory Pediatric Association’s Educational
Guidelines for Residency Training in General Pediatrics; and on the Advisory Committee, dbpeds.org, a website aimed at professionals interested in child development and behavior, especially in the medical setting sponsored by the American Academy of Pediatrics, Section on Developmental-Behavioral Pediatrics and The Commonwealth Fund of NYC. He continues to serve as a Reviewer for the Journal of Pediatrics, Clinical Pediatrics and Journal of Developmental & Behavioral Pediatrics.

Richard Whitehurst continues to serve on the Alabama Regional Perinatal Advisory Committee.

Felicia Wilson continues to serve at the pleasure of Governor Riley on the Alabama State Sickle Cell Disease Oversight & Regulatory Commission. She also served as a member of the American Board of Pediatrics Hematology/Oncology Study Section; the State of Alabama Hemophilia Advisory Committee; and the State of Alabama Newborn Screening Advisory Committee; Co-Chair of Hemoglobinopathy Subcommittee.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The Department of Pediatrics welcomed several new faculty members in 2007. Dr. Susan O. John joined the Division of General Pediatrics; Dr. Esteban Bonfante joined the Division of Pediatric Gastroenterology; and Dr. John Benjamin accepted a position in the Division of Neonatology.

The following Pediatric Faculty members were recognized by the COM students as Distinguished Faculty Members at the 2007 Honors Convocation: Drs. Samar Bhowmick, Judy Blair-Elortegui, Loran Clement, Mary Mancao and Kenneth Rettig. The thirteenth recipient of the Hollis J. Wiseman Award for Excellence in Pediatrics during the Pediatric Clerkship was Christy Marie Gautier.

Nine of the graduating medical students chose residencies in pediatrics or combined medicine/pediatrics. Of the pediatric residents completing residency this year, four entered private practice and three entered fellowship training. One of our medicine/pediatric residents completing residency entered private practice and one entered fellowship training. On July 1, 2007, nine first-year residents entered the pediatric residency program, and two first-year residents entered the combined medicine/pediatrics residency program. Dr. Jamie Hixon-Griffin completed her duties as Pediatric Chief Resident, and Dr. Susan Haynes assumed Chief Resident duties.

The 2007 Children’s Miracle Network was very successful, raising a new record of $736,800 to benefit the USA Children’s and Women’s Hospital.
The scholarly output of the Department of Pediatrics during the past year was productive. There were 29 original articles published or in press, and 10 published abstracts by faculty members of the department.

Clinical operations of the Department of Pediatrics continued to grow during the past year. Ambulatory visits exceeded 35,000, an increase of 13% over the previous year. Comparable increases occurred for pediatric in-patient services at the USA Children’s and Women’s Hospital. Novel new facilities for the USA Children’s Specialty Clinics have been designed and are nearing completion.

The activities of the Center for Chronic Diseases in Children have also expanded. The Center is devoted to designing and implementing new approaches for delivering comprehensive healthcare to children who suffer from chronic health disorders such as diabetes, asthma, and autism spectrum disorders. During the past year, the Pediatric Healthy Life Center, which is focused on obesity prevention and the treatment of lipid disorders, commenced operations.

The USA Breathmobile, a novel school-based community outreach program for children with asthma, completed its first year. Over 200 children with asthma were evaluated and treated at 12 elementary, middle, or high schools of the Mobile County Public School System. The program is a partner in a national network for the study and development of improved asthma treatment practices.

Major goals for the coming year include: 1) Ongoing development of electronic patient management applications that integrate patient care activities, clinical data collection, patient education practices, and, most importantly, improve health outcomes; 2) Develop a comprehensive Asthma Disease Management Program that will coordinate the clinical and educational functions of all USA Pediatric and USA Children’s and Women’s Hospital care sites; and 3) Enhance the regional role and national prominence of the USA Department of Pediatrics as an advocate and resource for efforts that champion the best interests of children. The department will continue to seek productive alliances with others in the community who are dedicated to this goal.
2006-2007
Summary of Scholarly Activities
Department of Pharmacology

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


Bailey SW, Ayling JE. Food and vitamin preparations containing the natural isomer of reduced folates (animals). Euro04003374.8 patent, 2007 Jan.

Bailey SW, Ayling JE. Food and vitamin preparations containing the natural isomer of reduced folates. US7122778 patent, 2007 Feb.


B. Articles in press


Bailey SW, Ayling JE. Methods and compositions containing reduced folates for treating hypertension and for reducing blood pressure. US patent 60/927,229. Forthcoming.


86


II. PUBLISHED ABSTRACTS


Al-Mehdi AB, Patel M. Effect of flow-adaptation on shear stress-dependent ATP generation by pulmonary artery endothelia cells. ATS Meeting 2007 May 19-23; San Francisco, CA.


89


El-Zarrad MK, Reed DJ, Al-Mehdi AB. The role of Cx-43 in tumor vasculogenesis. AACR 97th Annual Meeting 2007; Los Angeles, CA.


Middleton NS, Gorodyna O, Ruchko M, Gillespie MN. Hypoxia-induced recruitment of HDACi to the VEGF promoter of pulmonary artery endothelial cells (PAECs). FASEB J 2007 Apr;21(6):A924.


Prasain N, Alexeyev M, Stevens T. Activation of a chimeric soluble adenylyl cyclase reorganizes microtubules near the cell periphery sufficient to disrupt the endothelial cell barrier. FASEB J 2007 Apr;21(6):A1432. Abstract no. 977.11.

Reed DJ, El-Zarrad MK, Al-Mehdi AB. Angiopoietin-1 lung tumor blood vessel formation. AACR 97th Annual Meeting 2007;Los Angeles, CA.


Xin WK, Rich TC. The roles of phosphodiesterase activity and receptor desensitization in shaping cyclic nucleotide signals. AHA Research Symposium 2006;64A.


III. BOOKS PUBLISHED

IV. PRESENTATIONS


Gillespie MN. Bending and breaking the DNA code: implications for signal transduction. Paper presented at: University of California at Davis; 2007 Jan 26; Davis, CA.

Gillespie MN. Bending and breaking the DNA code: implications for signal transduction. Paper presented at: University of Alabama at Birmingham; 2007 Apr 24; Birmingham, AL.


Olson J. Polyamines: rational targets for pulmonary hypertension therapy. Paper presented at: Lankenau Institute for Medical Research; 2006 Nov 9; Wynnewood, PA.


Ruchko M. Mitochondrial DNA: a canary in the mine. Paper presented at: University South Alabama Department of Chemistry; 2007 Mar 2; Mobile, AL.

Ruchko MV. The DNA repair enzyme, Ogg1, may be a rate-limiting determinant of resistance to mitochondrial DNA (mtDNA) damage and apoptosis in xanthine oxidase (XO)-treated pulmonary artery endothelial cells (PAECs). Paper presented at: Mini Symposium Session, American Thoracic Society 2007 May 20; San Francisco, CA.

Schaffer SW. Mitochondrial DNA damage: key to angiotensin II-mediated apoptosis. Paper presented at: Tulane University; 2006 Dec 15; New Orleans, LA.

Schaffer SW. Intraaction between taurine and angiotensin II: possible involvement in taurine deficient cardiomyopathy. Paper presented at: Florida Atlantic Biomedical University; 2007 Apr 18; Boca Raton, FL.


Stevens T. Lung endothelial cell heterogeneity: a story told through the eyes of calcium. Paper presented at: University of Virginia; 2006 Nov 8-9; Charlottesville, VA.

Stevens T. Lung endothelial cell heterogeneity: a story told through the eyes of calcium. Paper presented at: Ohio State University; 2006 Dec 12-13; Columbus, OH.

Stevens T. Lung endothelial cell heterogeneity: a story told through the eyes of calcium. Paper presented at: Medical College of Georgia; 2007 Jan 4-5; Augusta, GA.

Stevens T. Pseudomonas aeruginosa virulence in the ICU. Paper presented at: Stanford University; 2007 May 17-18; Pala Alto, CA.


V. NATIONAL PROFESSIONAL RECOGNITION

Dr. Mark N. Gillespie served on Program, Leadership, and Long Rang Planning Committees, American Thoracic Society; Ad hoc Member, SBIR/STTR study section; Ad hoc member of NIH PPG study sections (1), Special Emphasis Panel (1); member, NIH Study Section for K99-R00 grants; American Long Association Research Peer Review Panel; Manuscript reviewer for all major journals relevant to his field of research.

Dr. Judy King served on the Southern Medical Association in the following capacities: Councilor, Alabama; Advisory Committee on New Physicians, Co-Chairman; Coordinating Committee on Education, Co-Chair; Coordinating Committee on Long Rang Planning; Advisory Committee on Scientific Activities, Co-Chairman; Coordinating Committee on Membership, SMA Representative to SGEA meeting; Session Moderator, SMA Annual Meeting; Coordinating Committee on Budget and Administration. She served as Past-President, Southeastern Microscopy Society. President-elect (2006-07), President (2007-2008) Sigma Xi, U South Al. Dr. King is a reviewer for Forensic Science International. Image (mesothelioma) was included in the National Library of Medicine exhibition on Forensic Medicine.
Dr. Ivan F. McMurtry served as an Ad hoc member of NIH NHLBI initial review group for J.G.N. Garcia PPG application, Washington, DC, May 3, 2007; Member of Biology Reports' Faculty of 1000 for the Cardiovascular and Respiratory Pharmacology Section; reviewed manuscripts for AJP Lung Cell Mol Physiol, AJP Regu Integr Comp Physiol, Am J Respir Crit Care Med, Am J Respir Cell Mol Biol, J Appl Physiol, Cardiovasc Res, FASED J, and Hypertension.

Dr. Jack Olson served on the Executive Committee of the Cardiovascular Medical Research and Educational Fund (CMREF).

Dr. Thomas C. Rich served as an Ad hoc reviewer for Am J Physiol – Lung; Ad hoc reviewer, Am J Physiol – Cell; Ad hoc reviewer, Regulatory Peptides; Ad hoc reviewer, R&D Excellence Program for the Kentucky Science and Engineering Foundation; Ad hoc reviewer, J Gen Physiol; Ad hoc reviewer, Nature Methods.

Dr. Stephen Schaffer served on the editorial board of Mol Cell Biochem; section editor, Amino Acids; organizing committee, International Taurine Symposium, Japan 2007; 2009 organizing committee, the International Heart Meeting, Serbia; and member, NIH study section, Interdisciplinary Research Consortium. He has also been appointed ambassador, The International Academy of Cardiovascular Sciences, S.E. Asia.

Dr Troy Stevens served as: associate editor, Am J Physiol; associate editor, Microvas Res; editor, Exp Biol Med; NIH study section member (RIBT; Am Thor Soc: Pulm Circ Ass Prog Com; Am Heart Assoc: Cardio Crit Care Courmand Comroe Award Review.

Dr. Wiltz Wagner, Jr. was awarded the Grover Prize, Am Thorac Society, 2007. He served on the NIH Study Section; Treasurer – Pulmonary Circulation Foundation; Board of Directors, Pulmonary Circulation Foundation; ATS: Leadership Committee, Program Committee, Planning Committee, Steering Committee, Grover Conference.

Dr. Songwei Wu served as Ad hoc reviewer for Am J Physiol.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The Department of Pharmacology had one graduate student receive a Ph.D. in 2006-2007. Patti Sadosky Wright received her Ph.D. in June 2007. Her dissertation was entitled “Adaptive Mechanisms for Protection of the Mineralocorticoid Receptor From Activation by Cortisol in a Natural Model of Hypercortisolism, The Squirrel Monkey.” Dr. Jonathan Scammell was her major professor. Dr. Wright has accepted a teaching position at Macon State College in Macon, Georgia.
The department added two faculty, Drs. Ivan McMurtry and Natalie Bauer, and two graduate students, David Clark and Michelle Henesy. Dr. Viktor Solodushko was promoted to Assistant Professor.

The department hosted visits from several scientists who participated in the Distinguished Scientist Seminar Series: Dr. Aron B. Fisher, Professor of Physiology and Environmental Medicine, Professor or Medicine, Director, Institute for Environmental Medicine, University of Pennsylvania Medical Center; Dr. Amy Davidoff, Associate Professor and Associate Chair of Research, Department of Pharmacology, University of New England; Dr. Lynne Regan, Professor, Departments of Molecular Biophysics and Biochemistry, and Chemistry, Yale University; Dr. Mark R. Kelley, Jonathan and Jennifer Simmons Professor of Pediatrics and Professor, Departments of Biochemistry and Molecular Biology, Pharmacology, and Toxicology, Associate Director, Herman B. Wells Center for Pediatric Research, Associate Director of Basic Research, Indiana University School of Medicine; and Dr. Dennis Wilson, Professor of Pathology, Chair – Graduate Group in Comparative Pathology, Chair – Department of Pathology, Microbiology and Immunology, School of Veterinary Medicine, University of California at Davis.

The Department received three awards from the American Heart Association, Southeast Affiliate. Dr. Natalie Bauer received a Beginning Grant-in-Aid, Dr. Steve Schaffer received a Grant-in-Aid, and graduate student, Michelle Henesy received a Predoctoral Award. Dr. Ivan McMurtry received a subcontract award through the University of Colorado Health Sciences Center for a program project award with NIH. Dr. Donna Cioffi received a National Research Service Award from NIH for a postdoctoral fellowship. The department also continues to be among the University's top performers in terms of generation of extramural research support.
2006-2007
Summary of Scholarly Activities
Department of Physiology

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


98


B. Articles in press


Downey JM, Davis AM, Cohen MV. Signaling pathways in ischemic preconditioning. Heart Fail Rev. Forthcoming.


Kuno A, Critz SD, Cui L, Cohen MV, Downey JM. Protein kinase C protects preconditioned rabbit hearts by increasing sensitivity to adenosine during early reperfusion. J Mol Cell Cardiol. Forthcoming.


Tissier R, Berdeaux A, Ghaleh B, Couvreur N, Krieg T, Cohen MV, Downey JM. Making the heart resistant to infarction: How can we further decrease infarct size? Front Biosci. Forthcoming


II. PUBLISHED ABSTRACTS


III. BOOKS PUBLISHED

IV. PRESENTATIONS


Ballard ST, Inglis SK. Effect of bupivacaine on acetylcholine-induced liquid secretion by porcine bronchi. Paper presented at: Experimental Biology ‘07; April 28-May 2; Washington, DC.


Lincoln TM. Cyclic GMP and smooth muscle cell gene expression: Is it pro- or anti-atherogenic? Paper presented at: Department of Biochemistry and Molecular Biology, Rosalind Franklin University of Medicine and Science, 2007 Feb 27-Mar 1; Chicago, IL.

Lincoln, TM. Cyclic GMP and smooth muscle cell gene expression: Is it pro- or anti-atherogenic? Paper presented at: Department of Medicine, The University of Chicago; 2007 March 1-3; Chicago, IL.

102
Lincoln TM. Cyclic GMP and smooth muscle cell gene expression: Is it pro- or anti-atherogenic? Paper presented at: Department of Physiology, Texas A&M University; 2007 March 7-9; College Station, TX.

Lincoln TM. Cyclic GMP and smooth muscle cell gene expression: Is it pro- or anti-atherogenic? Paper presented at: Department of Pharmacology and Physiology, Drexel University; 2007 March 18-20; Philadelphia, PA.

Lincoln TM. Cyclic GMP and vascular smooth muscle cell phenotype. Paper presented at: Experimental Biology '07; 2007 April 28-May 2; Washington, DC.

Parker JC. Total liquid ventilation cooling to protect against ischemia. Paper presented at: Department of Physiology, Medical College of Georgia; 2006 Mar 9; Augusta, GA.


Taylor MS. Pivotal role of SK3 channels in smooth muscle contraction. Paper presented at: University of Missouri College of Medicine; 2007 Apr10-12; Columbia, MO.


Yang J, Maika S, King JA, Liu ZM. Chronic activation of AMPK-activated protein kinase (AMPK)-alpha 1 in liver leads to decreased adiposity in mice fed a normal or high-fat diet. Paper presented at: Experimental Biology '07; 2007 Apr 28-May 2; Washington, DC.

Yang J, Maika S, King JA, Liu ZM. Chronic activation of AMPK-activated protein kinase (AMPK)-alpha 1 in liver leads to decreased adiposity in mice fed a normal or high-fat diet. Paper presented at: FASEB Summer Research Conference on Obesity, Energy Balance and Disease 2007 Aug 4-9; Indian Wells, CA.

V. NATIONAL PROFESSIONAL RECOGNITION

Stephen T. Ballard served in the following capacities: Member - American Physiological Society, European Cystic Fibrosis Society, American Association for the Advancement of Science; Reviewer - American Journal of Physiology: Lung, Cellular and Molecular Physiology; Journal of General Physiology; American Journal of Respiratory, and Cell and Molecular Biology; Reviewer for Cystic Fibrosis Foundation Research Development Program Grants.

Michael V. Cohen served in the following capacities: Editorial Board of Basic Research in Cardiology.

James M. Downey served in the following capacities: Editorial board member for Circulation Research, Journal of Molecular and Cellular Cardiology, Basic Research in Cardiology. Co-organizer of Adenosine Symposium held in conjunction with American Heart Association Scientific Sessions. Received Honorary Doctorate (DHC) from Athens University, Athens, Greece.

Thomas M. Lincoln served in the following capacities: Member: American Society for Biochemistry and Molecular Biology; American Society for Pharmacology and Experimental Therapeutics; American Association for the Advancement of Science; Southeastern Pharmacology Society; American Heart Association: Council on Basic Sciences; American Society for Gene Therapy; and The Oxygen Society. Served on as Editorial Board Member for Journal of Biological Chemistry, Molecular Pharmacology, and Journal of Vascular Research; reviewer for approximately 20 other journals. He also serves on National Institute of Health Vascular Cell Molecular Biology Study Section (Chair), and service for the NHLBI as a special reviewer for Program Project Proposals and for Institutional Training Proposals.

James C. Parker served in the following capacities: Reviewer: Journal of Applied Physiology; American Journal of Physiology; Journal of Physiology (London); American Journal of Respiratory and Critical Care Medicine; Critical


Mark S. Taylor served in the following capacities: Member: American Physiological Society, American Heart Association. Reviewer: American Journal of Physiology (Heart and Circulatory Physiology); Journal of Biological Chemistry; Brazilian Journal of Medical and Biological Research.

Mary I. Townsley served in the following capacities: Assistant Dean and Director, COM Office of Faculty Affairs; Director, Training Programs, Center for Lung Biology; Member, NIH NHLBI NITM Study Section; American Heart Association: Chair, National Great America Consortium Steering Committee; Perioperative and Critical Care (Chair: 2005-2007); Member, Science Advisory and Coordinating Committee; Greater Southeast Affiliate Research Committee. Guest Editor for Microcirculation - special topic volume on “Ion channels in the pulmonary circulation”.


Jian Yang served in the following capacities: Member: American Heart Association; American Society for Biochemistry and Molecular Biology; American Physiological Society; Science Olympiad Judge for 2007 Regional Science Olympiad Heredity Event.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The Department of Physiology saw an increase in overall extramural funding for the 2006-2007 year. A new four-year competing renewal from the National Institutes of Health (NIH) was awarded to Dr. Thomas Lincoln, and Dr. Jian Yang successfully competed for a two-year American Federation for Aging Research (AFAR) grant. Dr. Stephen Ballard was awarded a prestigious grant-in-aid from the Cystic Fibrosis Foundation and Dr. David Weber received a priority score on a submitted NIH proposal that will likely be funded in the Fall of 2007. Other proposals pending include grants submitted to the NIH by Dr. Mark Taylor and Dr. James Downey. In total, the Department of Physiology has approximately $2 million in extramurally funded awards for the past year at a time when extramural resources are scarce and highly competitive.

Faculty in the Department of Physiology maintained high visibility in the national and international scientific community. Several faculty members presented invited symposium talks at scientific meetings. Dr. Mary Townsley served on the American Heart Association Research Committee this year and Dr. Lincoln completed his term as Chairperson of the NIH Vascular Cell and Molecular Biology (VCMB) Study Section. Drs. Cohen, Downey, Lincoln and Townsley all serve on the Editorial Boards of several scientific journals.

Increased graduate student training activity was seen over the past year. Four Basic Medical Sciences (BMS) graduate students are training in the Department of Physiology this year (Felricia Moyer Brown, Amanda Davis, Tray Hamil, and Rebecca Torres). In addition, Departmental faculty sponsored Summer Medical Student Research students funded by the American Heart Association and Summer Undergraduate Research participants.

The summer student working with Drs. James Downey and Michael Cohen received first place honors for his presentation at the 34th Annual Medical Student Research Day activities. And finally, the Department of Physiology is leading an effort to create a focus group for Doctoral Research Training in Vascular Biology. The Program is being coordinated by Dr. David Weber, and will be added to the BMS Program website.
Teaching activities continue to be a high priority in the Department of Physiology. Dr. Townsley continued her role as course director for "Statistics and Experimental Design in Biomedical Research" while Dr. Mark Taylor directed "Literature Reports" for first-year students.

Dr. Lincoln directed "Advanced Signal Transduction" and organized three new graduate courses in Medical Physiology: Cardiovascular Physiology, Renal/Acid-Base Physiology, and Endocrinology. These courses are open to all graduate students in good standing, and several students have already matriculated through Cardiovascular Physiology and Endocrinology. Physiology faculty continue to be actively involved in the Fundamentals of Basic Medical Sciences course offered in the first year. Dr. Mary Townsley is also serving as the Principal Investigator on the NIH-funded Institutional Training Grant in Lung Biology. With regard to medical student teaching, Dr. Ballard served as course director this past year. Dr. Cohen continues to lead the case study/small group learning experience in Medical Physiology while Drs. Cohen, Downey, Parker and Weber conduct the Medical Physiology Laboratories.
2006-2007
Summary of Scholarly Activities
Department of Psychiatry

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. Articles in press


II. PUBLISHED ABSTRACTS

III. BOOKS PUBLISHED

IV. PRESENTATIONS

V. NATIONAL PROFESSIONAL RECOGNITION

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The full-time faculty has remained at 2. Efforts are mostly directed towards providing clinical care and overseeing the residency program which was fully reaccredited for 4 years.

Departmental scholarly efforts are following established paths. Dr. Rich continues pursuing his scholarly work in suicidology. He serves on the editorial boards of 2 related journals, Suicide and Life Threatening Behavior and the Archives of Suicide Research. He is Vice-president of the American Academy of Clinical Psychiatrists. Dr. Cepeda is still investigating underlying mechanisms of attention processing in Attention-Deficit/Hyperactivity Disorder in school children. Dr. Cepeda also continues to participate on a National Heart, Lung, and Blood Institute study section and to serve on the editorial Board of the Southern Medical Journal.
2006-2007
Summary of Scholarly Activities
Department of Radiology

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


109
B. Articles in press


II. PUBLISHED ABSTRACTS

III. BOOKS PUBLISHED

IV. PRESENTATIONS


Gray RE. GU Radiology Review. Visiting Professorship at University of Mississippi Medical Center; 2007 Apr 5-6; Jackson, MS.

Greiner FG. Unusual injuries of the cranial vertebral junction. Paper presented at: Southern Radiological Conference; 2007 Jan 27; Point Clear, AL.

Greiner FG. Unusual injuries of the cranial vertebral junction and vasculature. Paper presented at: Alabama Academy of Radiology Annual Meeting; 21 Apr 2007; Orange Beach, AL.


Teplick SK. Refresher course: Sexual harassment. What you don’t know can hurt you. Paper presented at: RSNA Annual Meeting; 2006 Nov 26-Dec 1; Chicago, IL.

V. NATIONAL PROFESSIONAL RECOGNITION

Byron G. Brogdon serves on the Editorial Board of the Journal of Forensic Sciences; is a member of the Advisory Board of Virtsy Foundation, Berne, Switzerland; Chairman, Research Committee, Forensic Sciences Foundation; is a referee for Skeletal Radiology. He’s a member Board of Trustees, Forensic Sciences Foundation. There is a film panel named in the honor of Dr. Brogdon at The Southern Radiological Conference annual meeting. To add to Dr. Brogdon’s accomplishments for this past year, Dr. Brogdon has been listed: Who’s Who in the World, Who’s Who in American Education, Who’s Who in Medicine and Healthcare, and Who’s Who in Science and Engineering. Dr. Brogdon attended the 55th Reunion of his Medical School graduating class.

Maria S. Figarola Dr. Figarola was appointed as an alternate delegate to the American Medical Association as a University Radiologist. Additionally she has been appointed to the Association of University Radiologist ( AUR ).


Steven K. Teplick is a manuscript reviewer for Radiographics, Journal of Vascular and Interventional Radiology, Journal of Radiology, Journal of Gastrointestinal Endoscopy, Journal of the Society of Cardiovascular and Interventional Radiology, Radiology, Southern Medical Journal, American Journal of Gastroenterology, and Journal Digestive Diseases and Sciences. Editorial Board for Southern Medical Journal and Online Journal of Digestive Health. Board examiner for American Board of Radiology and Fellow for American College of Radiology. He is a member of the Educational Research Council for the Radiological Society of North America (RSNA) and is also an RSNA reviewer for Awards in Excellence in Research and Education and a RSNA Grant Reviewer. Dr. Teplick is president elect of the Alabama Academy of Radiology, and also serves as a Councilor at the ACR. He was also chosen to be on the ACR Teller committee at the 2007 annual meeting. Dr. Teplick was an invited speaker at the National Veterans Affairs Radiological Meeting.

Richard L. Wesenberg reviewed numerous Diagnostic Radiology Residency Programs and presented findings at the Diagnostic Radiology RRC Meeting in New York (October 2006). He participated in the revision of Diagnostic Radiology Program Requirements and finalization of the requirements for all programs in the United States.

He is Association of University Radiologists (AUR) Representative to the American Medical Association House of Delegates and is counselor from District 1 to MASA - Medical Association of State of Alabama 2007-2010.
VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

Dr. Maria Figarola continues to serve as the CME Director for the Department of Radiology. Dr. Figarola is working towards acquiring an MRI for the University of South Alabama Children's & Women's Hospital.

Dr. Samuel A. McQuiston serves as the Director of Courses for COM Students interested in Radiology as a profession and as a part of their electives. Dr. McQuiston gives CME lectures on Thoracic Radiology and he also reviews cases of interest to residents. Dr. McQuiston gave 1st Year Orientation to 2007 incoming Radiology Residents. Dr McQuiston serves as a member of USAMC Professional Improvement Committee, as well as a member of the Radiology Residency Review Committee. Dr. McQuiston also serves as a member on the Curriculum Committee (CUR) and the Continuing Medical Education Committee (CME).

Dr. Yasmeen Qureshi serves a member of the Resident Interviews/ Selection Committee for the Department of Radiology. She also serves as a member on the Trauma/Burn Q/A Committee for the University. Dr. Qureshi gives CME lectures on Mammography and she also reviews cases of interest to residents. Dr. Qureshi continues to promote Breast MRI Service.

Dr. Brad A. Steffler continues to serve as Chief of Service of Interventional Radiology Department. Dr. Steffler serves as a member on the Cancer Care Committee. Dr. Steffler lectures on IR and Vascular Anatomy of Abdomen to Radiology Residents. He served as a member of the Institutional Review Board for the College of Medicine.

Dr. Steven Teplick was elected to serve on the USA Faculty Senate. Dr. Teplick was honored with the Red Sash at Honor Convocation in May 2007 by the Medical School Graduating Class.

New faculty members for the department are: Shikha Khullar, M.D.

We have expanded our outreach and outside business contracts during the 2007 year. We provide services to fourteen rural Alabama hospitals and clinics as well as seven VA hospitals/clinics and Military bases.
We assumed administrative oversight for Radiology services at Stanton Road Clinic and Springhill Avenue Campus.

Implemented capital improvement initiatives with USA Hospitals include: installed new CT scanners, Nuclear Medicine camera, two ultrasound units and C-ARM at USA Medical Center; installed new MRI at Children’s & Women’s Hospital; implemented PACS initiative with USA Hospitals.
2006-2007
Summary of Scholarly Activities
Department of Surgery

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B.

Articles in press


Tennent CA, Bastawrous A, Nancy Morin N, Ellis CN Jr, Hyman NH, Buie WD. Practice parameter for the evaluation and management of constipation. Dis Colon Rectum. Forthcoming.


II. PUBLISHED ABSTRACTS

III. BOOKS PUBLISHED

IV. PRESENTATIONS

Ellis CN Jr. Outcomes after the repair of rectoceles with a transperineal insertion of a bioprosthetic graft. Paper presented at: American Society of Colon and Rectal Surgeons; 2007 Jun 6; St. Louis, MO.

Ellis CN. Outcomes after the pelvic floor reconstruction with a bioprosthetic graft. Paper presented at: American Society of Colon and Rectal Surgeons; 2007 Jun 6; St. Louis, MO.


Gonzalez RP. Increased rural vehicular mortality rates: Roadways with higher speed limits or excessive vehicular speed? Paper presented at: Eastern Association for Surgery of Trauma; 2007 Jan 16-20; Sanibel, FL.

Gonzalez RP. On scene intravenous line insertion adversely impacts pre-hospital time in rural vehicular trauma. Paper presented at: Southeastern Surgical Congress; 2007 Feb 11-14; Savannah, GA.

Gonzalez RP, Cummings G, Mulekar MS, Phelan HA 3d, Rodning CB. Increased rural vehicular mortality rates: roadway with higher speed limits or excessive vehicular speed? Poster presented at: Eastern Association for the Surgery of Trauma Meeting; 2007 Jan 16-20; Fort Myers, FL.

Gonzalez RP, Cummings GR, Phelan HA 3d, Mulekar MS, Rodning CB. On scene intravenous line insertion adversely impacts pre-hospital time in rural vehicular trauma. Poster presented at: Southeastern Surgical Congress; 2007 Feb 11-14; Savannah, GA.


Hodge J. Organ and Tissue donation. Paper presented at: Alabama Chapter of the American College of Surgeons; 2006 May 18-20; Sandestin, FL.


Phelan H. When should we declare a limb unsalvageable? Paper presented at: Alabama Occupational Therapy Association Fall Conference; 2007 Sept 15; Orange Beach, AL.


Rodning CB. Lunch and learn lecture series. History of medical/surgical education in Mobile, Alabama. Department of Public Relations, College of Medicine, University of South Alabama, Conference Center, Medical Center; 2007 Apr 27; Mobile, AL.

Scantlebury VP. Renal diseases and transplantation and herbal medicine—an American perspective. Paper presented at: Alabama Benin Trade & Economic Cooperation Forum; 2006 Oct 28; Mobile, AL.

117

Scantlebury VP. God’s chosen vessels. Paper presented at: Revelations Baptist Church. National Donor Sabbath Linkage to Life Campaign; 2006 Nov 12; Mobile, AL.

Scantlebury VP. Donor Sabbath. Paper presented at: Big Zion Church; 2006 Nov 14; Mobile, AL.

Scantlebury VP. Kidney transplant and medical tips. Paper presented at: Whitestone Church; 2007 Jan 3; Mobile, AL.

Scantlebury VP. Overcoming barriers: women in medicine. Paper presented at: Tidewater Community College; 2007 Feb 6-7; Norfolk, VA.

Scantlebury VP. Kidney transplantation. Paper presented at: Mt. Hebron Church; 2007 Mar 11; Mobile, AL.

Scantlebury VP. The process of organ donation. Paper presented at: Nurse Practitioner’s Regional Meeting; 2006 Aug; Mobile, AL.

Scantlebury VP. Addressing disparities in renal failure and transplantation. Paper presented at: Southern Medical Association; 2006 Oct 12; Charlotte, NC.

Scantlebury VP. Compliance issues in kidney transplants. Paper presented at: East Carolina University; 2007 Mar 5-7; Greenville, NC.


Scantlebury VP. The center for closing the health gap in Greater Cincinnati. Paper presented at: 4th Annual Conference & Health Disparities Expo; 2007 Apr 13-14; Cincinnati, OH.

V. NATIONAL PROFESSIONAL RECOGNITION

D. Lynn Dyess is a member of the Breast Disease Committee for the National Surgical Adjuvant Breast & Bowel Project (NSABP). She also serves as a member of the ACOS Council.

C. Neal Ellis Jr. serves as a Reviewer for the following journals: Diseases of the Colon and Rectum, Surgical Endoscopy, Journal of Surgical Education, and Lancet. He also serves on the following committees: Program Committee of the American Society of Colon and Rectal Surgeons; Quality Assessment and Safety Committee of the American Society of Colon and Rectal Surgeons; Standards Committee of the American Society of Colon and Rectal Surgeons; Chairman of the Subcommittee for Pelvic Floor Diseases of the American Society of Colon and Rectal Surgeons; Research Grants Committee for Research Foundation, American Society of Colon and Rectal Surgeons; Membership, Flexible Endoscopy, and Fundamentals of Endoscopic Surgery Committees for the Society of Gastrointestinal and Endoscopic Surgeons; and the Patient Care Committee for the American College of Gastroenterology.

Roy E. Gandy serves on the Editorial Board of the Journal of Surgical Education. He was also nominated to the Advisory Council for the American College of Surgeons.

Curtis N. Harris is a member of the American Society of Maxillofacial Surgery.

Arnold Luterman serves on the Editorial Board of the following journals: The American Surgeon, Journal of Surgical Education, New Directions in Critical Care Nursing, Journal of Burn Care and Rehabilitation, Journal of Burns. He also serves on the Ad Hoc Editorial Board and as a Reviewer for the Journal of Trauma and the Journal of the American College of Surgeons. He is a Reviewer for the Advanced Trauma Life Support Course for the American College of Surgeons Committee on Trauma. He serves on the Clinical Studies Subcommittee for Shriners Hospitals for Children Research Advisory Committee, and the Advanced Burn Life Support Committee for the American Burn Association. He is the Assistant Dean for Graduate Medical Education at this institution, and he also serves as the Designated Institutional Officer in liaison with the Accreditation Council for Graduate Medical Education of the American Medical Association.

Herbert Phelan, 3rd was elected to the Shock Society. He is a member of the Practice Guideline Committee for the Eastern Association for the Surgery of Trauma.
Randall W. Powell serves on the Editorial Board for the Journal of Pediatric Surgery and as an Editorial Reviewer for the Journal of Trauma.

Charles B. Rodning has been elected to American Men and Women of Science (Jacques Catell Press), Who's Who in Science and Engineering (Marquis Who's Who Publication), Who's Who in the South and Southwest (Marquis Who's Who Publication), Who's Who in America (Marquis Who's Who Publication), Who's Who Among America's Teachers; Alabama Writers' Forum; Alabama State Council on the Arts; Lexington Who's Who Registry of Executive and Professionals; and International Who's Who of Professionals. He is a Representative of the College of Medicine to Section of Medical Schools, Liaison Committee, Graduate Medical Education, American Medical Association. He serves as a Member of the Board of Directors, Mobile (Eichold-Heustis) Medical Museum; a Physician Member of the American College of Surgeons Oncology Group; a Member of the Alabama Quality Assurance Foundation; a Member of the Board of Censors, Medical Society, County of Mobile (Continuing Medical Education Committee and Mobile Medical Endowment Trust); a Member and President of the Board of Directors, Department of Public Health, County of Mobile; a Member of the Mobile County Medical Reserve Corps, Department of Health and Human Services; a Member, Officer, and Councilor of the Alabama Chapter, American College of Surgeons; and a Member of the Association for Surgical Education. He is recertified in General Surgery by the American Board of Surgery, Inc. He was a recipient of the Physicians' Recognition Award from the American Medical Association.

Velma P. Scantlebury serves as an Honorary Member of the National Delta Sigma Theta Sorority, Inc. She serves on the National MOTTEP Board of Governors, American Society of Transplantation (AST) Diversity and Minority Affairs Committee, Advisory Committee on Organ Transplantation (ACOT) Department of Health and Human Services, OPTN/UNOS Kidney Transplantation Committee, Paired Donation Consortium, and Donate Life American Board of Directors.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

In January, 2006, Dr. Charles B. Rodning was appointed Interim Chairman, Dr. C. Neal Ellis, Jr. was appointed Residency Program Director, Department of Surgery. Those appointments and the shared leadership and responsibilities implied, have proven to be extremely effective in re-focusing collective initiatives in relationship to education, research, clinical service, and community involvement. Since those appointments and in conjunction with a very creative, energetic, and committed faculty and staff, we have pursued and/or accomplished the following (chronologically).
Development and inauguration of an anatomical simulation laboratory under the direction of Dr. Ellis and Dr. Luterman, including acquisition of the Fundamentals in Laparoscopic Surgery Program of the American Society of Gastrointestinal Endoscopic Surgeons.

Establishing and formalizing alliances with surgeons within our community who are keenly committed to graduate general surgical education. Dr. Gerhard A. W. Boehm and Dr. Lee W. Thompson, Mobile Infirmary Medical Center, Mobile, Alabama; and Dr. C. B. Smith and Dr. Jimmie N. Gavras, Thomas Hospital/Mobile Infirmary Health System, Fairhope, Alabama; are actively involved in our educational programs at both the senior and junior graduate year levels.

Formal creation of a Division of Vascular Surgery with Cardiovascular Associates, P.C., Mobile, Alabama, including Dr. Michael E. Damrich, Dr. William R. Higgs, Dr. Ronald B. O’Gorman, Dr. Carl Maltese, Dr. Dimitris Kyriazis, and Dr. David H. Mull, has been accomplished.

This cadre of individuals will provide Peripheral Vascular, Cardiovascular, and Thoracic surgical education and care. To an ever greater extent those disciplines are utilizing minimal access/minimal invasive technology.

Expanding alliances with the General Surgical Service, Veterans Administrative Hospital, Biloxi, Mississippi, under the superb direction and guidance of Drs. W. Letch Kline, James Williams, and David M. Countryman.

Strengthening a commitment to the acquisition of extramural funding in relationship to rural vehicular trauma under the direction of Dr. Richard P. Gonzalez, Professor, Department of Surgery, and Director, Division of Traumatology/Surgical Critical Care, and his new colleague Dr. Patrick L. Bosarge, Jr., Assistant Professor, Department of Surgery.

Involvement in several clinical translational investigational endeavors through the Office of Surgical Research, under the superb supervision and direction of Ms. Cathy F. Blache and Ms. Kelley P. Taylor.

Recognition of Dr. Velma P. Scantlebury, Professor, Department of Surgery, and Director, Division of Transplantation; and Dr. Arnold Luterman, Ripps-Meisler Professor of Surgery, Director, Burn and Wound Care Centers; Designated Institutional Officer; and Assistant Dean, Graduate Medical Education; as Best Doctors in America.

The Department of Surgery became a member institution of the American College of Surgeons Oncology Group, with several protocols currently active, under the
direction of Dr. C. Neal Ellis, Jr., Associate Professor, Department of Surgery, and Director, Division of Colorectal Surgery; and Dr. D. Lynn Dyess, Professor, Department of Surgery, and Director, Division of Endocrinologic Surgery.

The appointment of Dr. Roy E. Gandy as Associate Professor, Department of Surgery, and Coursemaster, Core Surgical Rotation/COM III and Surgical Externships/COM IV, has substantially strengthened the undergraduate educational program.

The appointment of Dr. Celeste N. Hollands as Associate Professor, Departments of Surgery and Pediatrics, and Director, Division of Pediatric Surgery. She brings a wealth of expertise to our community from many perspectives, including laparoscopic technology relevant from clinical service, educational, and investigative ventures.

Dr. William S. Eubanks, Hugh E. Stephenson, Jr., M.D. Professor and Chairman, Department of Surgery, University of Missouri, Columbia, Missouri, superbly served as the 26th Emmett B. Frazer, M.D., F.A.C.S., Memorial Lecturer for this academic year. He is an expert in relationship to minimal access operative technology and is of national and international stature.

Several faculty members were recipients of the Red Sash Award from the Graduating Class 2007 for their teaching excellence, including: Dr. Dyess, Dr. Ellis, Dr. Hodge, Dr. Luterman, Dr. Maltese, Dr. O’Gorman, Dr. Phelan, and Dr. Rodning.

Dr. Herbert A. Phelan, III, Assistant Professor; Dr. Helen Skaggs, Senior Resident; Dr. William A. Scott, Intern; and Dr. Charles B. Rodning, Professor; Department of Surgery, were elected to the Gold Humanism Honor Society.

Dr. Adam I. Riker, Associate Professor, Department of Surgery, and Chief Surgical Oncologist, University of South Alabama Mitchell Cancer Institute, coordinated and moderated the inaugural “Perspectives in Oncology” Conference, July, 2007, held at Battle House Hotel, Mobile, Alabama. Dr. D. Lynn Dyess, Professor, Department of Surgery, College of Medicine and Medical Center, University of South Alabama, was a featured speaker.

The Department of Surgery continues to mature. In the changing medical environment that we are currently experiencing, the heightened morale and enthusiasm of the department portends an optimistic outlook and bright future. The core value system of this Department—a commitment to surgical education and training, service to the community in which we reside, and research in the science and art of medicine - remains foremost in its planning and objectives.
2006-2007
Summary of Scholarly Activities
Biomedical Library

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. Articles in press


123
II. Published Abstracts

III. Books Published

IV. Presentations

Burnham J. Wikis, podcasts and blogs, oh my! Web 2.0 tools in clinical practice and instruction. Educational presentation at: Brown Bag @ the Baugh; 2007 Jul 13; Mobile, AL.

Burnham J. Wikis, podcasts and blogs, oh my! Web 2.0 tools in clinical practice. Educational presentation at: Medical Association of the State of Alabama Annual Meeting; 2007 Apr 12; Birmingham, AL.


Clanton C, Roussel L. Introduction to EBP and developing the question. Paper presented at: American Organization of Nurse Executives; 2006 Oct 27; Mobile, AL.


Clanton C, Sayed E. Clinical medical librarian services for nurses. Poster presented at: Alabama Library Association; 2007 Apr 18; Mobile, AL.

Clanton C, Sayed E. Clinical medical librarian services for nurses. Poster presented at: University of South Alabama Research Forum; 2007 Mar 28; Mobile, AL.

Clanton C, Sayed E. Clinical medical librarian services for nurses. Poster presented at: American Organization of Nurse Executives; 2006 Oct 27; Mobile, AL.

Clanton C, Sayed E. Clinical medical librarian services for nurses. Poster presented at: Southern Chapter of the Medical Library Association; 2006 Oct 14; Atlanta, GA.

Fell D, Burnham J. Evidence based clinical physical therapy practice in neurology and pediatrics: using the Internet as a tool. Educational course presented: American Physical Therapy Association; 2007 Jun 29; Denver, CO.

Fell D, **Burnham J**, Caswell C, Nucheren A, Smolinski A, Wood C. Effectiveness of database searching in physical therapy: comparing the search methods of novices, biomedical librarians, clinicians, and faculty members. Poster presented at: Southern Chapter, Medical Library Association; 2006 Oct 14; Atlanta, GA.

Fell D, **Burnham J**, Brown L, Clemmons T, Kilborn C, Warren J. Effectiveness of independent versus guided education strategies of improving the efficiency of locating evidence-based resources. Poster presented at: University of South Alabama Department of Physical Therapy Student Research Day; 2007 Jul 11; Mobile, AL.

**Lindsay JM**, Wheeler K, **Li J**, Williams PM. Electronic journal management systems: a comparison. Poster presented at: University of South Alabama Research Forum; 2007 Mar 28; Mobile, AL.

**Robertson J**, **Burnham J**, **Li J**, **Sayed E**. Library website 2.0: integrating wiki software to enhance content of the library's website. Poster presented at: Medical Library Association; 2007 May 20; Philadelphia, PA.

**Robertson J**, **Sayed E**, Roussel L. Librarians in the virtual classroom – building collaborative relationships with teaching faculty to enhance bibliographic instruction for distance education students. Paper presented at: Southern Chapter Medical Library Association; 2006 Oct 14; Atlanta, GA.

Roussel L, **Sayed E**, Clanton C, **Robertson J**. Integrating library instruction in online graduate nursing research courses. Poster presented at: University of South Alabama Research Forum; 2007 Mar 28; Mobile, AL.


**Sayed E**, Lindsay JM, **Burnham J**. How electronic resources are changing the use of library materials, services and space. Poster presented at: University of South Alabama Research Forum; 2007 Mar 28; Mobile, AL.

Smith, G., Sayed, F. Meeting information needs of diverse library users in Holberton, Antigua. Poster presented at: University of South Alabama Research Forum; 2007 Mar 28; Mobile, AL.

V. NATIONAL PROFESSIONAL RECOGNITION

Judy Burnham served as Co-Chair of the Planning Group for Health Information Literacy Session, Medical Library Association (MLA) 2007 Annual Meeting, as Chair of the MLA Estelle Brodman Academic Librarian of the Year Award Jury and Section Council Representative for the Nursing and Allied Health Resource Section/MLA. She was elected MLA Section-Council Chair-elect and will serve on the MLA Board. She is Chair-elect and Chair of the Program Committee for the Southern Chapter/Medical Library Association (SC/MLA) and serves as a Research Mentor for that group. A poster presented at the 2006 SC/MLA annual meeting was given the 1st Place Research Poster award. Judy chairs the Alabama Health Libraries Association (ALHeLA) Liaison Committee, serves on the Alabama HealthInfoNet Advisory Board and also has served on two local groups focused on health information literacy. Judy is a Distinguished member of the Academy of Health Information Professionals (AHIP).

Clista Clanton served on the MLA Research, Development and Demonstration Project Grant Jury and the EBSCO Grant Jury. She served on the SC/MLA Nominating Committee. Clista is a Senior member of AHIP.

Jie Li serves on MLA Membership Committee and as the International Cooperation Section (ICS)/MLA Section Council representative. She is the Chair of the MLA ICS Committee on Health Sciences Library Partnership. She completed her term as editor of the MLA News International Column. She served as the SC/MLA Bylaws Committee Chair. Jie is a Distinguished member of AHIP.

Michael Lindsay serves as Discussion List Administrator for ALHeLA. He has been accepted as a Provisional member of AHIP.

Justin Robertson serves on the Editorial Board for the Journal of Electronic Resources in Medical Libraries and is the webmaster for the ICS/MLA, the SC/MLA and the ALHeLA. He is Chair of the Alabama HealthInfoNet Advisory Board and serves on the Fairhope Library Board. He received a grant from the National Network of Libraries of Medicine/Southeastern Atlantic Region to host the CyberCafe at the annual meeting of the Medical Association of the State of Alabama. He is on the editorial board of the Journal of Electronic Resources in Medical Libraries. Justin is a Senior member of AHIP.
Ellen Saved is Chair-Elect of the ICS/MLA, is editor of the ICS newsletter and has begun as editor of International Column of MLA News. She served as Co-Chair of the SC/MLA's Professional Development Committee and serves on the Outreach to the Health Professionals Committee of the National Network of Libraries of Medicine, South East Atlantic Region. Ellen served as President of ALHeLA. Ellen is a Distinguished member of AHIP.

Geneva Staggs continues to serve on the Alabama Public Library Service LSTA Advisory Council. She has been appointed to the MLA Scholarship Jury and served on the ALHeLA Nominating Committee. Geneva is a Distinguished member of AHIP.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

New resources added this year include Access Surgery, a resource that includes videos of surgical procedures, full-text books and a board review module.

Following the retirement of Tom Williams, Judy Burnham was appointed Director of the Biomedical Library. The Biomedical Library was reorganized for greater administrative efficiency, creating three assistant director positions. Jie Li moved into the position of Assistant Director for Collection Management, Geneva Staggs assumed the position of Assistant Director for Hospital Services and Justin Robertson was promoted to the position of Assistant Director for Public Services.

Biomedical Library librarians have participated in several outreach activities including the Health Disparities Resource Group, community health fairs, a community Mental Health Task Force, a health information literacy (HIL) group sponsored by the Alliance to the Mobile County Medical Association and another HIL group sponsored by Mobile United. Librarians also participated in the EXPORT Discovery program with a session on medical librarianship at the Boys & Girls Club. Additionally the Biomedical Library exhibited at the Alabama Library Association annual meeting, the Alabama Public Health Department annual meeting, and the Regional Health Disparities meeting. Librarians also staffed the CyberCafe at the Medical Association of the State of Alabama annual meeting and presented at the Technology Symposium. A librarian spoke on finding quality consumer health resources during a morning news segment on WKRG-TV.
University activities in which the Biomedical Library librarians have participated this year are the USA College of Medicine (COM) Curriculum Committee, BEAR Committee, CME Committee, Patent Committee, IRB Committee, GIST (Group for Innovative Strategies in Training), the USAMC and C&W Department Head meetings, the USAMC Information Management Committee. As a part of the Clinical Librarian program, medical librarians attend the USAMC Multidisciplinary Committee, the USAMC Clinical Practice Committee, the USAMC Medication Use Committee, the USAMC Policy & Procedure Committee, the USAMC Critical Care Committee, the USAMC Quality Control Committee and the USAMC Pressure Ulcer Committee. Librarians also participated in the University Library Committee, the University Academic Standards Committee and the Faculty Senate.

Plans are being developed to move the Medical Center Library from the Mastin Building into the hospital. Allied Health resources have been moved to the Baugh (Campus) location and bound journal volumes will be relocated to the basement of the Medical Center. Library representatives are meeting with hospital representatives and the architect to develop a plan. Plans are being developed to convert the Multimedia Lab on the 3rd floor of the Baugh site into a multimedia conference room available for teleconferencing, meetings and multidisciplinary collaboration.

Notable educational classes taught during the year for the COM include BML 480 (a 4th year elective focused on Information Technology in Medicine) and evidence-based medicine for the 3rd year medical students. Additionally librarians participate in online courses for the College of Nursing, creating a virtual reference desk. A required online class for the Doctor of Physical Therapy students, PT699, Evidence Based Practice and Literature Searching was developed and will be taught by a medical librarian. The first Brown Bag @ the Baugh session focused on Web 2.0 Tools in Clinical Practice and Instruction.

The Biomedical Library is host to the Opening Doors: Contemporary African American Academic Surgeons, August-October. A reception was hosted by the College of Medicine to open the exhibit and flyers were mailed to local agencies that deal with minority children. With the help of USA Archives and USA COM PR Dept, a slide show was developed focusing on African-American physicians throughout Mobile’s history.

The Biomedical Library served as host to Jen Chang, a librarian from Beijing, China. She received the Cunningham Fellowship from the Medical Library Association to visit medical libraries in the United States and extended her visit in Mobile and other US cities.
Jie Li received a grant to host an Evidence Based Seminar and Technology Fair for the University, both planned for October. Dr. Shaneyfeld from UAB and other clinicians notable for their work in EBM will be invited for the EMB Seminar. The USA Faculty Senate Technology Utilization Committee, the USA Academic Computing Committee, and the College of Education Online Learning Lab will co-sponsor the Technology Fair. Vendors will be invited and faculty will showcase their use of technology in instruction.

The charge to faculty for documents via interlibrary loan has been eliminated. Artwork from the Percipio art project is now being displayed in the Biomedical Library. A plasma screen has been added in the Baugh circulation area to display announcements about services and resources. The wireless system is being upgraded throughout the Baugh site. Also at the Baugh location, the resources in the Historical Room have been reviewed to refocus that collection. A disaster plan is being developed for the Biomedical Library and a wiki has been developed to link to important web pages in medical specialties.
2006-2007
Summary of Scholarly Activities
USA Mitchell Cancer Institute

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


130


Riker AI. Letter to the editor in response to “Payformance a slap in the face: will surgeons respond?” Gen Surg News 2007 Feb; 27.


Wynn RB. The role of radiation therapy in the fight against cancer: Port of Harlem 2006;12;2.


B. Articles in press


Wynn RB. Prostate cancer. Port of Harlem. Forthcoming.


II. PUBLISHED ABSTRACTS


136


III. BOOKS PUBLISHED

137
IV. PRESENTATIONS

D'Alessio M. Isolated hepatic perfusion is effective therapy for unresectable, isolated liver metastases. Paper presented at: The Society for Surgical Oncology, 60th Annual Cancer Symposium; 2007 Mar 14-18; Washington, DC.


Wynn RB. The influence of race in the susceptibility to late effects following cancer therapy. Paper presented at: CURED II Workshops; 2007 May 16; Rochester, NY.


Wynn RB. USA experience with Erbitux and radiation. Paper presented at: Bristol-Myers Squibb/ImClone, Erbitux Physician South Central Regional Consultant's Meeting; 2007 Jul 12; Charleston, SC.
V. NATIONAL PROFESSIONAL RECOGNITION

**Michael R. Boyd**
Ad Hoc Reviewer for Board of Scientific Counselors
National Institute on Aging
Technology Development Consultant, Office of Technology Transfer
National Institute of Health
Member, Editorial Board, Journal of Antibiotics
Member, Commentaries Editorial Board, Biochemical Pharmacology

**Roy Buchsbaum**
ASTRO Society
Cyberknife Society

**Oystein Fodstad**
Editorial Board of Clinical & Experimental Metastasis
Member, Lung Cancer Committee
American Lung Association
Cancer Study Section
J. Experimental Therapeutics and Oncology
Pathology and Oncology Research
Cancer Society for Melanoma Research Steering Committee Member
King Olav V's Life Time Achievement Award

**Jingfang Ju**
Ad Hoc Member of NCI IMAT Grant Review Panel
Ad Hoc Member of NCI Emerging Technology for Cancer Research R21/R33 Review Panel
Ad Hoc Member of NCI K- and R-Training Grant Review
Editorial Board, Gene Expression and System Biology
AFLAC award from AACR Oncogenomics Conference
Hung T. Khong
Member, Boat People SOS (BPSOS) Bayou La Batre’s Advisory Committee, 2007-date
Member, BPSOS National Board of Directors, 2007-date
American Association for Cancer Research
American Society of Clinical Oncology
Ad hoc reviewer, Immunological Investigations, Journal of Immunotherapy, and Journal of Immunological Methods
Invited participant for the iSBTe bulletin board focus group
Advisor, USA Vietnamese Student Organization
Member, IRB Committee

Lewis Pannell
American Society for Mass Spectrometry
Board Member NIST/EPA/NIH Mass Spectral Library
Editorial Board Membership - Biomacromolecular Mass Spectrometry
Chemistry and Physics School, FAES Graduate School at NIH
NIH Spectrometry Special Interest Group
NIH representative on the NIST/EPA/NIH spectral library
Organizational Committee for the NIH Proteomics Meeting
American Society for Spectrometry Meeting

Germana Rappa
Active member Italian Association of Medical Oncology
Active member American Association for Cancer Research
Active member American Society of Clinical Oncology
Reviewer, Journal of Gene Medicine
Reviewer, European Journal of Cancer
Reviewer, Cancer Research

Adam Riker
Reviewer, Cancer
Reviewer, Journal of Immunotherapy
Reviewer, Cancer Immunology and Immunotherapy
Reviewer, Journal of Experimental Medicine
Reviewer, Society of Surgical Oncology
Editorial Board Member, Today’s Tomorrows
Sub-investigator of the ACOSOG (Z-10, Z-11) Breast Cancer Trial
Southwest Oncology Group
Letter of Appointment, Honorary Clinical Professor and Surgeon, Hubei Province, Wuhan Hospital, China, 2006
Honorary Professor and Surgeon, Hebei Province, Wuzhou Women's Hospital, Beijing, China, 2006
Rajeev S. Samant
Reviewer, Susan G. Komen Breast Cancer Foundation
Scientific Advisor for Advocate Reviewers (Susan G. Komen Breast Foundation)
Reviewer, DOD, Breast Cancer Research Program Concept-Clinical and Experimental Therapeutics #2, CON-CET-2
Reviewer, DOD PcRP Clinical & Experimental Therapeutics #2 Scientist
Reviewer (PC CET-2)
Ad-Hoc Reviewer, Cancer Research, Clinical & Experimental Metastasis
International Journal of Cancer

Lalita Shevde-Samant
The Susan G. Komen Breast Cancer Foundation
Department of Defense, Breast Cancer Research Program
Sigma Xi: The Scientific Research Society
AACR-Women in Cancer Research
Metastasis Research Society

Ming Tan
Reviewer for Cancer Research, Clinical Cancer Research, Molecular Cancer Therapeutics, Molecular Cancer Research, Molecular Carcinogenesis

Raymond B. Wynn
American College of Radiology
American Society for Therapeutic Radiology and Oncology
Council of Affiliated Regional Radiation Oncology Societies
Louisiana Society of Radiation Oncology
National Medical Association
National Black Leadership Initiative on Cancer -Southern Regional
National Surgical Adjuvant Breast and Bowel Project
Member, Children's Oncology Group, Institutional Radiation Oncology Principal Investigator
Vice Chairman, Alabama Comprehensive Cancer Control Coalition
Alabama Department of Public Health
Reviewer, Journal of the National Medical Association
VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The USA Mitchell Cancer Institute is experiencing many exciting program expansions and developments that support our strategic goal of achieving competitiveness for future designation as a National Cancer Institute Comprehensive Cancer Center. In addition to our thriving and expanding medical oncology and radiation oncology programs, the surgical oncology program, initiated in July 2006, continues to expand. In July 2007, we initiated our gynecological oncology program.

Dr. Thomas Butler joined our medical oncology program in February 2007 as senior staff medical oncologist. Recruitments for our gynecological oncology program include Dr. Michael Finan, Chief of Gynecological Oncology, and Dr. Rodney Rocconi, who is our second Abraham A. Mitchell Clinical Cancer Research Scholar. All clinical programs are temporarily housed in leased space on the Mobile Infirmary Medical Center campus, providing our physicians and patients with access to the inpatient and outpatient services of our alliance partner, Infirmary Health System. The USA MCI clinical enterprise continues to grow and reach out to the community.

On August 11, 2007, the USA MCI hosted its first “Perspectives in Oncology” seminar at the Battle House Hotel, with over 100 area physicians in attendance. Construction of our new 125,000 square foot integrated clinical and research facility located adjacent to the USA Children’s and Women’s Hospital and the Mobile Infirmary Medical Center is progressing rapidly, with completion slated for First Quarter 2008. This building will house our basic and translational cancer research facilities, and all outpatient clinical programs, including state-of-the-art radiation oncology services and equipment, infusion services and interdisciplinary exam suites. These facilities and technologies will allow us to bring a new level of cancer services and facilities to this region of the country.

Our research programs continue to expand in the areas of breast cancer, proteomics, genomics, immunotherapy and metastasis. Dr. Ming Tan recently joined the USA MCI as assistant professor of oncological sciences and the Vincent F. Kilborn Jr. Research Scholar. Previously, his research led to a discovery that is patented— a novel strategy for targeting therapeutics in breast cancer therapy. In addition to our existing grant base, Dr. Lalita Shevde-Samant was awarded a $400,000 grant from the U.S. Department of Defense to continue her research designed to improve the understanding of aggressive breast cancers.
Community-based health disparities research, education, outreach and prevention activities expanded during Fiscal Year 2007. Through Alabama Department of Public Health funding for a Community Assessment, research findings were presented at three conferences. The USA MCI continues to be actively involved with the Alabama Coalition for Comprehensive Cancer Control, with Dr. Raymond Wynn serving as its Vice-Chair.

Skin cancer screening events continue to be a focus of our outreach and prevention activities. Skin cancer screening events this year included the Azalea Trail Run, the Alabama Deep Sea Fishing Rodeo, and Labor Day at the Gulf Shores Pavilion.

Our Patient Navigation program continues to grow; with over 9600 direct consults/navigation services provided in our oncology clinics during 2006/2007.

Outreach activities, focusing on cervical cancer, continue in Bayou la Batre through funding received from the Women Fund of the Community Foundation of South Alabama.
2006-2007
Summary of Activities
USA Center for Lung Biology

General Operations

The CLB's mission is to provide state-of-the-art scientific development in lung biology that advances the understanding of human health and disease, to improve patient care, and to serve as the foundation for outstanding graduate, post-graduate, and fellowship training. More than 30 faculty members from various departments within the College of Medicine are actively participating in a strong collaborative research environment, a research seminar series and journal club, and graduate, postdoctoral and fellowship training.

Our administrative office is located in the Medical Sciences Building in Room 3340 on the main University campus. Ms. Megan Treherm joined our administrative office this year as a Word Processing Specialist. Ms. Treherm will serve as support staff for the CLB and be responsible for clerical duties for the administrative office and research laboratories.

Detailed information about the CLB is available with a click on our homepage (http://www.usouthal.edu/clb). The web page is interactive and contains a variety of information including faculty and student bibliographies, recent publications, and information regarding scientific and training programs. Our comprehensive annual report is available through Ms. Charlene Jordan (414-8045) at the CLB office.

Research Activities

The CLB was well represented at national and international scientific meetings with a number of faculty, postdoctoral fellows, and graduate students presenting their work at multiple forums, including the Federation of American Societies for Experimental Biology, the International American Thoracic Society, the American Association for Cancer Research, and the International Society for Stem Cell Research.

The CLB hosted two Distinguished Scientist Seminars. Our first guest, Dr. Dennis Wilson, is Chair of Pathology, Microbiology, and Immunology at University of California-Davis School of Veterinary Medicine. His presentation was entitled The Endothelial Cell in Vascular Remodeling: Pathology of the Microenvironment. Our second guest, Dr. E. Kenneth Weir, is Professor of Medicine at University of Minnesota Medical School and Chief, Section of Cardiology with the Veterans Administration Medical Center in Minneapolis. Dr. Weir's presentation was entitled Mechanisms of Oxygen Sensing.

Dr. Timothy Moore organized a new Critical Care Conference series in conjunction with the Pulmonary Division. This conference focuses on translational research and acute lung injury, and is held monthly on Fridays at 2:30 pm. Dr. Jeffrey M. Dodd-o, Assistant Professor of Anesthesiology/Critical Care Medicine, and Surgery at Johns Hopkins University School of Medicine will be the next guest.
Medicine was our first guest speaker. Dr. Dodd-o’s presentation was entitled *Mediators of Cardiopulmonary Bypass-Induced Lung Injury.*

Two additional guests were invited to participate in our Research Seminar and Research in Progress series. Dr. Mark Wewers, John A. Prior Professor of Medicine at Ohio State University, and Executive Associate Director of the Davis Heart and Lung Research Institute presented *NLRs: New Players in Sepsis.* Dr. Radu V. Stan, Assistant Professor, Departments of Pathology, and Microbiology and Immunology at Dartmouth Medical School presented *Endothelial Specific Structures Involved In Permeability.*

The Center received four awards from the American Heart Association, Southeast Affiliate. Drs. Natalie Bauer and Timothy Moore received Beginning Grant in Aids, and graduate students, Dr. Kevin Lowe and Nutan Prasain received Predoctoral awards. Dr. Lowe however withdrew his application to complete his residency in the Department of Surgery here at USA. Dr. Ivan McMurtry received a subcontract award through the University of Colorado Health Sciences Center for a program project award with NIH. Dr. Donna Cioffi received a National Research Service Award from NIH for a postdoctoral fellowship.

**Recruitment Activities**

An objective of the CLB is to enhance clinical, translational, and basic research in the pulmonary sciences. As part of this initiative, the Center is recruiting research scientists at all academic ranks and across disciplines. Three new faculty members have accepted positions this past year. Dr. Ivan McMurtry has joined us from the University of Colorado-Health Sciences Center. Dr. McMurtry is Professor of Pharmacology, and brings his expertise in lung vascular biology and pulmonary hypertension to our program. Dr. Sarah Gebb has joined us, also from the University of Colorado Health Sciences Center. Dr. Gebb is Assistant Professor of Cell Biology and Neuroscience, and brings her expertise in fetal lung development to our program. Finally, Dr. John Benjamin has joined the Department of Pediatrics (Division of Neonatology). He comes to our program with expertise in fetal lung development as well.

**Education**

The CLB provides a vibrant collaborative research environment forming an outstanding framework for training in lung biology and related areas, and offers training opportunities for students and fellows at any academic stage. This past summer, the CLB accepted four students for the Summer Undergraduate Research Fellowship (SURF) program. Students participating in the program and sponsors respectively were Hirotaka Ata from University of South Alabama (Dr. Kane Schaphorst), William Ryan Miller from Springhill College (Dr. Thomas Rich), Teja Poosarla from Auburn University at Montgomery (Dr. Sarah Gebb), and Michael Robson Alabama School of Mathematics and Science (Dr. Troy Stevens).
CLB faculty played an active role in the 34th Annual Medical Student Research Day sponsoring five summer medical students. Students participating in the program and sponsors respectively were Mr. Austin Bourgeois (Dr. Richard Honkanen), Mr. Matthew McLean (Dr. James Parker), Ms. Erica Syklawer (Dr. Judy King), Ms. Erin Gilmore (Dr. Glenn Wilson), and Mr. Daniel Robinson (Dr. Judy King).

Student training in CLB is interdisciplinary. As part of this concept CLB faculty, clinical fellows, post-docs, graduate students and technicians participate in weekly seminars. Tuesdays (11-12:00 pm), CLB holds a research-in-progress seminar. Papers are reviewed and utilized to transition into the presenter’s own area of investigation. Up to date research results and future directions are discussed. Fridays (1:30-2:30 pm), CLB co-sponsors a research seminar series with the Division of Pulmonary and Critical Care Medicine. Presentations rotate between Case Conference, Critical Care Conference, Basic Science Reports, and Research Conference. Research Conference is held in the Pharmacology Conference Room (MSB 3360) whereas other Conferences are held in the Eichold Room at the USA hospital.

The Sepsis/ALI Journal Club, a new forum to discuss clinical and basic medical science papers, was organized by Dr. Diego Alvarez, Postdoctoral Fellow. Round table discussions are the preferred format for this new forum which is held biweekly on Mondays (3:30 pm).

Art in Science

PERCIPION™ - The Art in Science Program was developed by the CLB to increase community awareness about ongoing biomedical research performed at USA. The Art in Science program provides an opportunity for research scientists to present aesthetic aspects of their data to the public. The primary purpose of the program is best defined by its title, PERCIPION, which means "to learn through the senses".

Per셉ио successfully hosted its third exhibition themed “Hypothetical Illustrations” at the Mobile Museum of Art with an opening reception November 3, 2006. Invitations were sent to College of Medicine faculty, staff and students, board members for the Mobile Museum of Art, the Mobile Arts Council, and local art galleries. Music for the reception was provided by Frameshift, a local band featuring one of CLB’s graduate students, Mr. Joel Andrews. The exhibit moved to the University of South Alabama Library First Floor Gallery in December, 2006 where it remained on display through February, 2007.

Perceptions participated in its first arts fair, Arts Alive, a biannual festival sponsored by the Mobile Arts Council in April, 2007. The festival featured interactive exhibits, live performances, and offered festival goers a firsthand experience of the arts through a variety of mediums. Arts Alive provided a tent for Perceptions to display and sell images, posters, and t-shirts. The outdoor event was held in Cathedral Square in downtown Mobile and was well attended. Perceptions had a great response from the local community and will continue to reach out through these types of events to increase appreciation, interest and better understanding of the value scientific research by the public.
I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters


B. Articles in press

II. PUBLISHED ABSTRACTS


III. BOOKS PUBLISHED
IV. PRESENTATIONS

Haynes J. Sickle cell disease, not me. Paper presented at: Sickle Cell Disease Association of America-Central Alabama Chapter; 2006 Oct 21; Prattville, AL.

Haynes J. Underrepresented minorities in academic medicine. Paper presented at: SNMA Region IV Conference; 2006 Nov 18; Mobile, AL.


Rao A. Management of sickle cell and related hemoglobinopathies. Paper presented at: Sickle Cell Disease Association of America Counselor Certification Course; 2007 May 21; Mobile, AL.


Wilson F. History of sickle cell disease; introduction to genetics; and overview of thalassemia. Paper presented at: Sickle Cell Association of America; 2006 Oct 23-25; Mobile, AL.


Wilson F. Overview of sickle cell disease and overview of thalassemia. Paper presented at: Novartis Pharmaceuticals Training Session; 2007 Feb 27; Morristown, NJ.

Wilson F. Overview of sickle cell disease and overview of thalassemia. Paper presented at: Novartis Pharmaceuticals Training Session; 2007 Mar 27; Florham Park, NJ.

148
Wilson F. Teleconference Panelist as sickle cell disease expert. Paper presented at: Novartis Pharmaceuticals National Sales Training Program for Exjade; 2007 Mar 29; Mobile, AL.

Wilson F. Overview of sickle cell disease. Paper presented at: Springhill Memorial Conference for Nurses on New Updates; 2007 Apr 13; Mobile, AL.

Wilson F. Pediatric sickle cell disease. Paper presented at: Springhill Hospital Nurses’ Conference; 2007 Apr 13; Mobile, AL.

Wilson F. Newborn screening, introduction to thalassemia & introduction to genetics. Paper presented at: Sickle Cell Disease Association of America Counselor Certification Course; 2007 May 21-23; Mobile, AL.

Wilson F. Overview of sickle cell disease and overview of thalassemia. Paper presented at: Novartis Pharmaceuticals Training Session; 2007 Jun 6; Morristown, NJ.

V. NATIONAL PROFESSIONAL RECOGNITION


VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

General Operations: Dr. Johnson Haynes continues as Director of the USA Comprehensive Sickle Cell Center. Despite cuts in federal and state funding, the USA Comprehensive Sickle Cell Center delivery of clinical and educational services to individuals affected with sickle cell disease, family members of affected individuals, and health care providers continues to improve.

Research: In June 2007, the Center completed two clinical trials sponsored by Icagen Pharmaceuticals, which assessed the clinical efficacy and safety of the Gardos channel inhibitor, ICA-17043 in patients with sickle cell disease. The Center is currently nearing completion of its participation in the Comprehensive Sickle Cell Center Clinical Trials Consortium (CSCC CTC) multi-center Arginine study which ended in July 2007. Most recently, the Center is participating in a NIH sponsored study investigating the “Epidemiology of Priapism”.

149
**Clinical Operations:** The 2006-2007 academic year marks the close of the 9th year that the Adult Sickle Cell Clinic has operated as a subspecialty clinic. The primary objectives of this clinic are (1) to be a resource for practicing physicians in the University and private community; and (2) to serve as a positive educational experience for primary care residents in the Departments of Medicine and Family Medicine at the University of South Alabama. The clinic is staffed by Dr. Johnson Haynes Jr.; Ms. Ardie Pack-Mabien, Nurse Practitioner; Ms. Stephanie Durggin, R.N.; and Ms. Adrienne Petite, Case Manager. Both Internal Medicine and Family Medicine residents continue to rotate on a monthly basis through the outpatient Adult Sickle Cell Clinic. The Adult Sickle Cell Clinic continues to serve the greater Mobile area in addition to a continuous influx of patients from surrounding areas. Ms. Pack-Mabien and Ms. Durggin continue to support the pediatric outpatient clinical operations and serve as liaisons when transitioning patients from pediatric to the adult services. Drs. Felicia Wilson, Aarati Rao and Hamayun Imran are the physicians caring for patients in the Pediatric Sickle Cell Outpatient Clinic. The absence of an adult hematologist and urologist to support the adult operations remains problematic and there is no accepted solution to this deficit of overall clinical operations currently in sight.

**Education:** The Center faculty continues to provide a broad series of lectures throughout the academic and private medical community and continue to support the Educator/Counselor Certification Program which took place 3 times this academic year at the Sickle Cell Disease Association of America, Mobile Chapter. On April 21, 2007 the Center hosted its’ seventh conference on “Practical Issues in Sickle Cell Disease VII: "Maximizing Sickle Cell Management through Cooperative Interdisciplinary Care.” Dr. Michael DeBaun, Associate Professor of Genetics, Human Genomics and Neurology at Washington University School of Medicine was the Keynote Speaker. Dr. DeBaun spoke on, “Contributions of Asthma to Sickle Cell Morbidity in Children With Sickle Cell Disease.” Other speakers were Dr. Felicia Wilson who spoke on, “Iron Overload Update: Diagnosis and Treatment”, Dr. Aarati Rao who spoke on, “Evaluation Of Anemia Exacerbation in Sickle Cell Disease”, and Dr. Sudhakar Mandanagopai who spoke on “Orthopedic Complications In Sickle Cell Disease: Evaluation And Treatment”. The nursing staff continues to provide a series of lectures to the nursing community within the University of South Alabama and private hospitals in the Mobile community and surrounding counties. As we go forward, we plan to continue the clinical operations with the same vigor and integrity as we have in current years. We will continue to seek the grant support necessary to continue all clinical and research activities as well as continue requesting the necessary financial support currently being made available by the University of South Alabama College of Medicine.
**Other Activities:** Dr. Haynes' term as president of the Sickle Cell Oversight and Regulatory Commission for the State of Alabama ended April 2007 but he will continue to serve as a Commissioner. Dr. Haynes also serves on several national committees. He currently serves on the Data and Safety Monitoring Board for the Clinical Trials Consortium, National Institutes of Health and the Sickle Cell Disease Advisory Committee, National Institutes of Health. Dr. Felicia Wilson also serves on the Sickle Cell Oversight and Regulatory Commission for the State of Alabama. The Center's newsletter, "Sickle Cell Today", was distributed across the state of Alabama to clients, client's families, administrators, community sickle cell foundations, and legislators in April and September, 2007.
September 4, 2007 the Center for Healthy Communities completed its fourth year of existence. The Center continues to uphold its designation as a lead entity for outreach within the University of South Alabama. It continues to actively coordinate community education, research, public service and health activities to help eliminate health disparities, foster access to health care for underserved populations, enhance the capacity of individuals to better participate in decision making about their health and build healthy communities. The components within the Center have grown substantially this year. In addition to Hurricane Katrina related activities, the Center has expanded its operations to include new contracts with the Mobile Housing Board, the Community Foundation of South Alabama and several other entities to advance its mission along the Gulf Coast Region. The Center's activities and services were implemented through five component programs:

- Community Development & Nonprofit Management
- Civic Engagement & Participation
- Faith-Based Initiative-UPRIS
- Research
- EXPORT

I. Community Development and Nonprofit Management Program
Given the significant linkages between long-term health outcomes and environmental and contextual factors in communities, the Center for Healthy Communities launched the Community Development and Nonprofit Management program in 2005. The CHC Community Development and Nonprofit Management (CDNM) Program aims to expand the capacity of individuals, organizations, and communities to undertake evidence-driven community economic development initiatives. The following projects represent the CDNM's efforts toward these ends:

- **Equitable Development, HBCUS, and Alternatives** - On March 16th, 2007, scholars, practitioners, and stakeholders assembled for the Alternatives for Equitable Development along the Gulf Coast convening hosted by the Center for Healthy Communities at the University of South Alabama and the Initiative for Regional and Community Transformation at Rutgers University. The convening brought together regional stakeholders to jointly explore approaches and pathways for equitable development in the post-Katrina context, generate strategic alternatives, and work toward a shared agenda that supports the equitable development of communities of color and low wealth along the Gulf Coast. The convening included numerous participants from eight different HBCU institutions, participants from a number of regional research organizations, members from labor and corporate sector, government officials, and consultants with philanthropic institutions.

- **Gulf Coast Policy Forum** - On August 28-29th, the CDNM joined a coalition of regional and community-based nonprofits, philanthropic institutions, and civic groups to convene a policy forum entitled “Recovery and Renewal for Gulf Coast Working Families”, as part of the two-year anniversary of hurricanes Katrina and Rita. This coalition of local
organizations led by the Louisiana Justice Institute, Mississippi Economic Policy Center, Mississippi NAACP, Center for Healthy Communities at the University of South Alabama, and the Gulf Coast Young Leaders Network, convened this regional commemoration event to provide a venue for local community leaders from Alabama, Louisiana, and Mississippi, to raise questions, listen to, and engage in dialogue with national policymakers, congressional leaders, and candidates for the US presidency. Although many of the specific challenges Gulf Coast residents face are distinct according to local and state assets, leadership, politics, etc.; across the region working families commonly face significant barriers to self-sufficiency. This historic commemoration event provided a platform for local community leaders and national decision-makers to jointly explore the resources, supports, and policies needed to support the recovery and renewal of working families in the Gulf Coast. The CDN M efforts also included a policy research paper concerning the state of community economic development in the region.

- Initiated Public Policy Analyst/Research Fellow – With support from the Community Foundation of South Alabama, the Community Development and Nonprofit Management division initiated the Public Policy Analyst/Research Fellowship. As a joint research position with the Center for Public Policy in the department of Political Science, this position will work to support research, policy, and initiatives at the federal, state and local levels that advance development with an emphasis on the community, economic, physical, and social environment of low and moderate income working families and communities in South Alabama and along the Gulf Coast.

- Affordable Housing and Community Economic Development Strategy as Policy Symposium – As part of a collaboration with the City of Mobile, the Community Foundation of South Alabama, the Chamber of Commerce, the CDN M department hosted a CED Strategy Policy Symposium that addressed issues of Affordable Housing in the region on September 13th, 2007 at the Mobile Convention Center. This event was part of a Community Economic Development Series that is addressing issues of housing affordability, workforce development, asset-building and financial literacy, preventive and community health, community leadership, and other important issues throughout city and region. These events enable stakeholders and practitioners to inform the Community Foundation's approach to addressing Community Economic Development in the region. Moreover, these events provide opportunities for information sharing, networking, and collaboration between stakeholders, practitioners, and policymakers.

- Community Fellows – The Community Development and Nonprofit Management has conducted its Community Fellows program which aims to develop community leaders who investigate and address issues relevant to Community development and health. This year, the Community Fellows program sought to develop a relationship with Latino communities by developing a relationship with an international NGO and community organization called ODECO. The Community Fellows have developed a program called the "Soy Garifuna" initiative seeks to initiate productive dialogues, exchanges, and relationships between underserved African American communities and individuals from Central and South America. Such dialogue is vital in light of emerging opportunities for international study, global commerce as well as the joint opportunities to address the challenges of health, race,
and poverty that affect not only African Americans, but individuals and families from Central and South America. The “Soy Garifuna” Initiative features two young leaders from ODECO and ONECA, organizations that represent Garifuna and Afrodescendents throughout Central America, to dialogue with emerging leaders and students in the Deep South about their community and culture, ongoing challenges, as well as possibilities for the future. The Soy Garifuna dialogue features: (1) Video footage of the Garifuna Community, (2) a presentation by young leaders from the Garifuna Community about development challenges in their communities, and (3) an opportunity to learn a traditional Garifuna dance. The Community Fellows have conducted presentations at the University of South Alabama, in Mobile Communities, and at Alabama State University. The group has plans for further presentations in October at the University of Alabama at Birmingham, Miles College, and Tuskegee University.

- **Committee Participation**
  - **Workforce Development** – Workforce development efforts are significant to community economic development initiatives. The CDNM has participated on the Workforce Development Taskforce of the Chamber of Commerce and City of Mobile. A CHC-CDNM staff member co-led with Angelo Miller of the United Way the working group on the Support Services Task Force, which focused on issues of housing, childcare, education, and public transportation. This project included focus groups and a project report to the overall Task Force.

  - **Affordable Housing Working group** – CDNM staff members participates in a number of local and regional working groups on affordable housing.

  - **City of Prichard Main Street Weed & Seed Project** – the CDNM is an active member of the City of Prichard’s Main Street Weed and Seed project which seeks to address issues of development and safety for Prichard residents.

**Research Products** – The CDNM has formally prepared two policy research documents concerning the challenges of community economic development in Mobile County. From the first document, “SNAPSHOTs: A Community Economic Development Scan in Mobile County”, emanated from community research conducted in 2006. Research for this document was supported by the Community Foundation of South Alabama. The second document entitled “Hurricaned: Challenges for Communities and Families” emerged out of a relationship with numerous regional organizations for the purposes of a Gulf Coast Policy Forum. This document examines a number of critical community economic development areas, including housing and public transportation, and the continuing impacts of Hurricane Katrina. In addition to these formal research products, the CDNM program has conducted numerous presentations on community economic development for different entities.

**CDNM Community-based Efforts** - The CDNM project has a number of community-based and outreach efforts that it plans and implements throughout the year. The Community-based projects enable the CDNM project to maintain outreach with communities throughout the area. A selection of community projects conducted in the 2006/07 year are listed below:
(1) Stop for J’Lexus – In light of a pedestrian accident involving a four year old girl, the CDNM worked with a family and local graphic designer to create visual campaign to remind citizens about the risks and consequences of unsafe driving. This campaign focused on the Roger William Housing Development.

(2) Trinity Gardens Community Festival – the CDNM partnered with the Bay Area Women’s Coalition, a local community development corporation, on the Trinity Gardens Community Festival which aimed to bring information about health and community issues to residents in the Trinity Gardens Communities. This festival included a health fair.

(3) Down the Bay Outreach Series – The CDNM worked with the Down the Bay Area to conduct a series of outreach efforts to learn more about issues affecting the Down the Bay community. This effort is continuing with a Youth Forum to occur in October 2007 that will address issues of violence in the Down the Bay area.

II. Civic Engagement & Community Support
The civic engagement and community support activities were primarily focused on Bayou la Batre and Coden Communities. The following projects were undertaken in these communities:

1. Supported development of Vietnamese, Cambodian, and Lao-English dictionaries for donation to Good Will Easter to be used in GED class
2. Aided in building project at Pilgrim’s Rest Church including roof patching and tarp applications
3. Home Repair/Cleanup Workgroups (in collaboration with Vietnamese and University of South Alabama students, participated in five weekend projects)
4. Asian Women’s Conference
5. Laotian New Years Eve Festival

In Coden the Center was involved in projects relating to:

1. Coden Environment Health Assessment project
2. Helped design educational programs for the Coden community
3. Worked collaboratively with Senior Citizens Services to develop a proposal to serve seniors in the Coden area

In addition to activities in Coden and Bayou La Batre the Center for Healthy Communities also co-sponsored the Rag Swamp Festival which had more than 3,000 participants and Montel Williams PPA Program, University of South Alabama Medical Center.

III. Faith-Based Initiative & Health Forum
The CHC EXPORT Center has strengthened its relationship with the Universal Patient Record Information Systems (UPRIS) Corporation in a collaborative effort to assist churches in establishing and supporting health ministries and establishing personal health records (PHR) for congregants. The UPRIS Corporation, supported by Morehouse College, has developed ourhealthministry.com a web-based portal site that was developed to disseminate health
5. UPRIS Collaboration
6. Zip code mortality and HDRG Manuscripts
7. Mount Hebron Presentation
8. Church-Based exercise program
9. Nursing Faculty project
10. Sickle Cell

The Research Division will seek to help bring more resources to bear for understanding and addressing health challenges and barriers. This will include continuing to explore opportunities for external funding and other collaborations. Particular attention will also be placed on bringing existing research projects to fruition.

V. EXPORT

The CHC EXPORT Center completed its 3rd year of funding from the $1.2 million grant provided by the NIH National Center for Minority and Health Disparities (NCMHD). EXPORT provides its services through four main cores: administrative; community outreach and information dissemination; research; and mentoring, training, and support. The EXPORT Center remains dedicated to its goal of establishing a broad-based collaborative effort to address health disparities within the University of South Alabama (USA) service area. Activities during the 2006 – 2007 academic year were focused on maintaining and establishing relationships and securing funding sources to continue the Center’s work.

- Administrative Core

Errol D. Crook, M.D. continued as the EXPORT Principal Investigator (PI). Personnel hired the previous year continued in their positions allowing for growth of programs and development of some new initiatives. Two highlights of the 2006 – 2007 are the core’s efforts at establishing and maintaining relationships with community partners and efforts to secure continued funding.

EXPORT continues to nurture relationships with several Mobile organizations. These include but are not limited to: 100 Black Men of Greater Mobile, Inc.; the Alabama Chapter of the National Kidney Foundation; neighborhood community centers; the USA Hospital System; and the Mitchell Cancer Research Institute; the American Cancer Association, the American Heart Association, the American Diabetes Association (ADA); and several faith-based, fraternal and sorority institutions. In addition relationships with local and state policy makers have been nurtured. We have now expanded our efforts to foster relationships with national organizations that have goals similar to ours.

As the current grant was scheduled to terminate in July 2007, a priority for 2006-2007 was to secure additional funding to support the Center’s efforts. After discussion with our NIH project officer, Dr. Derrick Tabor, we prepared an application for an EXPORT Exploratory Center Grant (P-20). This grant was submitted in October 2006. Reviews and priority scores (205) have been received. Reviews were generally positive, but funding decisions will not be made until the council of NCMHD in September 2007. Other funding opportunities have been identified and proposals are being developed through the research core.
Community Outreach and Information Dissemination Core

The Community Outreach and Information Dissemination Core had a busy year. We will provide expanded comments on some new initiatives but many of the core’s activities are summarized in Table 1 (see below). Many of our activities focused on promotion of healthy lifestyle practices, enhancement of preventive services, and improving healthy literacy and knowledge. The staff has collaborated with several partners to provide health screenings and health information at numerous health fairs in Mobile and surrounding areas. Many of the activities in which we have participated have been in collaboration with faith-based organizations. We are particularly gratified by these activities as a major focus has been on the development of health ministries within local churches. In almost all cases our health promotion activities are now as invited participants rather than as leaders. Again we are excited about this, as we prefer for our partners to give health a high priority.

The core developed a Community Healthy Advocate (CHA) program. This new initiative was developed from grassroots efforts of the staff and serves as a continuation of our Lay Health Advisor Program. We developed our CHA program with the goal of using members of the community to address the communities’ health concerns. Our goal is to have a large group of community members representing several age groups, neighborhoods, and jobs who are comfortable advocating for improved health of the community and the individuals in that community. Thus far we have successfully assembled the leadership council for the CHA’s and have collaborated with them as we develop the concept further. We have involved the members of the council in almost all of our activities and have provided education around health themes on a monthly basis. We continue to follow our annual calendar to focus attention on the Healthy People 2010 initiatives. This calendar, known as the Disease of the Month calendar, provides one to two diseases that are spotlighted each month. An activity or speaker is planned around that particular disease for the month. In addition to our CHA’s, faith based organizations are encouraged to use this calendar and other Center resources as a part of their health ministries. Of interest, many of the CHA’s are part of or leaders of their church’s health ministry.

In July 2006 we held the first Regional Health Disparities Symposium. This one-day conference was held in Mobile and was attended by over 200 individuals. This was an event where research scientists, health professionals, and community health advocates met for the purpose of sharing experiences, accomplishments, challenges, best practices and to facilitate networking and collaborations for subsequent research in the area of health disparities. The dialogue at the Symposium focused on: Infant Mortality, Chronic Diseases, Health Literacy, Cancer, and the Impact of Disasters on Health Disparities. Invited speakers with vast experience in health disparities presented information that was well received. Exhibitors from many local institutions and the pharmaceutical industry were present. The conference’s organizational committee had representation from at least 12 local institutions (> 20 persons), indicating the effective relationships built with partners.
Other Community Outreach and Information Dissemination Core Activities

- **Pipe Line Programs:**
  - **Students Training for Academic Reinforcement in the Sciences (STARS) and Special Training to Raise Interest and Prepare for Entry into the Sciences (STIPES)**

  The STARS Program continued successfully with completion of the summer program in July 2006. Saturday Academies were conducted one Saturday per month from February through April 2007. Of note, STARS students graduated this year with many ranking at the top of their high school classes. A new group was recruited that started the summer of 2007.

  The STRIPES Program was successfully implemented in the summer of 2006 with junior high school students.

  Both programs enhance skills in science, math and communication skills. In addition, students are exposed to professionals from various health care fields in an effort to encourage them to consider those areas for career choices.

  - **Discovery and Quest**

    These programs were done in partnership with the Mobile Girls and Boys Club, Crichton Branch. Programs for children aged 9 – 12 (Discovery) and 12 – 14 (Quest) were developed. The **Discovery Program** has completed its second summer program at the Kiwanis Boys and Girls Club of South Alabama. The initial fundamental goal of the Discovery Program was to increase the number of disadvantaged students who enter the health care profession by establishing a program of educational, experiential, and enrichment activities for fourth, fifth, and sixth grade students in after school programs. Helping them become excited about a career as a health professional, while strengthening their academic skills, and motivating them to establish the goal of pursuing a college level education.

- **Lay Health Advisors Program**

  In conjunction with the USA College of Continuing Education and Special Programs the Lay Health Advisors (LHA) Certificate Program was developed. Classes continued in the fall and winter of 2006 – 2007 with 3 graduates completing the program. Resources from this program have been to develop LHA’s to enhance cancer prevention in Asian women in a collaborative program with the Mitchell Cancer Institute.

- **Faith Based Initiatives and Health Fairs**

  We continue efforts in health education and promotion with many churches in the area. We have noted many new church initiatives in health, and we have been able to facilitate those activities by providing resources (information, personnel, and expertise). Health fairs focusing on health related activities were held at the following locations:

  1. Mt. Hebron Baptist Church,
  2. Emerson Gardens Community Center,
  3. Colonial Bel Air Mall,
4. Community Health Advocate Meeting,
5. Health Education Luncheon at Toulminville Library,
6. Mobile County Health Department Annual Training,
7. Trinity Lutheran Church, Boykin Towers,
8. World AIDS Day Commemoration, St. Joseph’s Baptist Church
9. Community Health Advocate Meeting
10. Health Fair at Central Plaza Towers focusing on Depression and Improving Health
11. Scale Back Alabama Activities
13. Health Fair for Women's Heart Health at the Marriott Hotel
14. Black National AIDS Day at Boykin Park
15. Leinkauf Elementary School Community Health Fair
16. Murphy High School Health Fair Attendee
17. Mt. Zion Baptist Church Senior Citizens Health Luncheon
18. 100 Black Men Heritage Run and Health Fair
19. Calloway-Smith Middle School Health Event
20. Franklin Health Clinic Community Health Fair
21. Bethel AME Church Health Fair
22. Midtown Post Office Health Fair/Blood Drive
23. Strickland Youth Center GROWTH Program for Girls

**Photovoice** project has three main goals:

- to enable our children to record and reflect their community's health concerns;
- to promote critical dialogue and knowledge about personal and community issues through discussions of photographs; and
- to enable people to define for themselves and others, including policy makers, what is worth remembering and what needs to be changed.

In **Photovoice**, forty youth were recruited to use this participatory action research approach to document community health concerns. **Photovoice** enabled our youth to express their concerns about neighborhood health disparities from their perspective. The youth produced numerous pertinent photos, along with log books, which provided valuable data regarding the environmental health issues they observed. The youth recorded their thoughts about the concerns identified and in doing so presented a strong representation of their perception of health disparities as they relate to underserved and low income communities.

**Youth Health Fair** has six main goals:

- Enabled youth to share practical and valuable health
- Provide screening services for the community
- Utilize health care professionals to identify potential health related problems which if properly treated can be eliminated or prevented from becoming serious
- Provide the community with a variety of health education information and resources
- Emphasize the practice of good health habits
- Connect with health organizations and agencies in the community

161
The purpose of the Health Fair was to increase students' awareness and understanding of health disparities, promote health education through research and poster presentations, and inspire students through Role-Modeling with faculty and others health professionals. A Health Fair was a valuable service to the community and an exciting and rewarding experience for the students.

- Health Disparities Research Group (HDRG): The Health Disparities Research Group (HDRG) continued its efforts. Dr. Martha Arrieta and EXPORT staff have successfully motivated many University of South Alabama (USA) faculty members to become actively interested and involved in health disparities research and the activities of the EXPORT center. The number and diversity of faculty that regularly attend and actively participate in the HDRG meetings remain encouraging. The group felt that it was worthwhile to develop its own mission, vision and goals statement in order to focus its activities over the next few years. This effort culminated at a retreat.

The group wanted to enhance scientific collaboration and scientific activities. They developed a project examining best practices to effectively lower health disparities in cardiovascular disease among African Americans. This is a literature review of so-called Third Generation Research. The research group included at least 10 scientists coming from several backgrounds including business, nursing, psychology, library science, medicine, public health, and bio stats.

Pilot Grants: EXPORT Research also granted internal pilot grants through a competitive process. Three projects had funding through 2006 – 2007 and are listed below:

1. “Evaluation of a pediatric weight management program to develop innovative approaches to the treatment of childhood obesity”- Dr. Judy Blair,
2. “Community-Based Asthma Intervention Consortium”-Dr. Jennifer Cole
   Dr. Kenneth Hudson

Of note, each of these projects has made substantial progress. Some of the results from Dr. Blair’s work have been presented in a podium presentation at a meeting. The other projects are projected to be presented in the upcoming year.

Other Pilot Projects: The research core has made significant progress on many other pilot projects that were funded in with the initial planning grant. Many of these projects have been presented in abstract form at regional and national meetings and manuscripts are very close to submission. Some of these projects with significant activity in 2006 – 2007 are listed below:

- Focus groups to identify knowledge and perceptions of health problems in the community, the primary care infrastructure, and barriers to healthcare access.
  PI: Martha Arrieta, MD, MPH, PhD
- Process and Tools to Identify Barriers to Healthcare Access”.
  PI: Martha Arrieta, MD, MPH, PhD

162
Mentoring, Training and Support Core

Career Pathways for Minority Scientists
The Career Pathways for Minority Scientists (CPMS) is a program established to help advance the careers of minorities in basic science and clinical research in health disparities through effective mentoring strategies. The program is aimed at generating highly qualified minority scientists via a supportive service component which facilitates collaborations among junior researchers and senior scientists to pursue health disparities research.

The objective of this program is to advance the careers of minorities in basic science and clinical research through effective mentoring strategies. The summer research institute was designed for minority junior scientists with an interest in cancer, cardiopulmonary disease, diabetes, lung biology, metabolic syndrome and sickle cell disease. The first program took place July 16th – 18th, 2006 and was repeated in July 2007. Six young investigators participated in each year. Participants have come from 6 different institutions and range from PhD students to junior faculty. Feedback from fellows has been shown a high level of enthusiasm for the project. In the second year the decision was made to expand eligibility to non-minority young investigators with a focus on health disparities at the University of South Alabama.

The CPMS curriculum included:

- Mock Study Program
- Peer Review Process and Specific Aims
- Grantsmanship: Sources of Funding and Developing a Competitive Research Proposal
- Scientific Autobiography and Self Assessment
- Building an Academic Career in Minority Health Disparities Research
- Negotiating for a Faculty Position and Preparing for Promotion and Tenure
- Choosing a Mentor

Faculty for CPMS included:

- Dr. Errol D. Crook
- Dr. Martha Arrieta
- Dr. Harvey White
- Mark Gillespie, PhD – Professor and Chair, Department of Pharmacology
- Johnson Haynes, MD – Professor of Medicine, Division of Pulmonary and Critical Care Medicine; Director, USA Comprehensive Sickle Cell Center
- Solomon Ofori-Acquah – Assistant Professor of Pediatrics, Division of Hematology/Pharmacology/BMT, Emory University, School of Medicine
- Troy Stevens, PhD – Professor, Department of Pharmacology, and Director, Center for Lung Biology
- Mary Townsley, PhD – Assistant Dean, Faculty Affairs; Professor of Physiology
- Glenn Wilson, PhD – Professor and Chair, Department of Cell Biology / Neuroscience

In addition to the faculty, we were honored with the presence of one of last year's fellows:

- Ella Temple, PhD - Research Assistant Professor, School of Public Health, Department of Biostatistics, REGARDS Data Quality Manager, University of Alabama at Birmingham
This year's Career Pathways for Minority Scientists Fellows included:

- Kesmic Jackson, PhD – FIRST Doctoral Research Fellow, Emory School of Medicine
- Joan Landry, PhD, CHES – Research Assistant, Center for Healthy Communities, USA College of Medicine
- Moshood Olatinwo, MD – Cooperative Reproductive Science Research Center, Morehouse School of Medicine (and soon to be University of South Alabama)
- Greshundria (Nikki) Raines, MPA, OTR/L – Academic Fieldwork Coordinator, Instructor, Alabama State University
- Corey Wiggins, MS – Health Education and Health Promotion, University of Alabama at Birmingham (is completing his doctorate)

EVALUATIONS CPMS 2006

While planning this year's program, the evaluations from last year were consulted. The following suggestions resulted in changes to this year's program

- **CPMS should coincide with the Regional Health Disparities Symposium.** CPMS orientation took place the day before RHDS and then reconvened the day after.
- **The Mock Study, Peer Review Process and Grantsmanship portions of the program should be longer and more in-depth.** These three sections of the curriculum were extended from 4 total contact hours to 5.5 hours. This allowed more personal attention to the subjects.

VI. Future Plans

The Center plans to continue refining and enhancing the programs and projects initiated this year. Much is dependent upon funding for the EXPORT project, which has been favorably reviewed. Emphasis will also be placed on enhancing the research and community development divisions. The health disparities symposium will also be a major feature next year. Ourhealthministry.com is an exciting dimension to the Center's activities. This program is to further expand in the coming months. Moreover, the Center should experience another successful year and continue becoming a significant resource for addressing health disparities and building healthy sustainable communities in the Gulf Coast region.
2006-2007
Summary of Scholarly Activities
Center for Strategic Health Innovation

I. PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS

A. Full-length published articles and book chapters

Taylor CW. Rebuilding our healthcare system. The SCOPE of Family Medicine. 2007 1st quarter: 8-9, 16-17.

B. Articles in press


II. PUBLISHED ABSTRACTS

III. BOOKS PUBLISHED

IV. PRESENTATIONS


Roach RD, Wallace DL. Alabama incident management system. Paper presented at: Virgin Islands Department of Health; 2007 Jun 5-10; St. Thomas, VI.

165
Taylor CW. Driven today but parked tomorrow. Paper presented at: Sixth International Conference on Mobile Health; 2006 Nov 19; Las Vegas, NV.

Taylor CW. Economic impact of a pandemic on businesses related to staffing and resource shortages. Paper presented at: International Pandemic Symposium; 2007 May 3; Point Clear, AL.

Taylor CW. Exportable lessons learned for disaster preparedness. Paper presented at: University of Pittsburg at Maryland Center for Biosecurity Roundtable; 2007 Apr 4; Baltimore, MD.


Taylor CW. Lies, damn lies and models. Paper presented at: Gallagher Re Health Retreat; 2007 May 28; Sea Island, GA.


Taylor CW. Naked and vulnerable at the intersection of quality and transparency. Paper presented at: North East Florida Regional Health Organization Annual Conference; 2007 Jun 1; Jacksonville, FL.

Taylor CW. The day after the last page of your plan. Paper presented at: 2007 12th Annual Local Emergency Planning Committee/Montana Safety Services Council Safety Conference; 2007 Mar 6; Billings, MT.

Taylor CW. The day after the last page of your plan. Paper presented at: National Hurricane Conference; 2007 Apr 5; New Orleans, LA.

Taylor CW. The day after the last page of your plan. Paper presented at: Mississippi/Alabama Hurricane Conference; 2007 Jun 29; Biloxi, MS.

Taylor CW. The day after the last page of your plan. Paper presented at: Alabama Primary Health Care Association 22nd Annual Conference; 2007 Sep 7-8; Orange Beach, AL.

Taylor CW, Wallace DL. Alabama incident management system. Paper presented at: Mississippi Division of Medicaid; 2007 Mar 1; Jackson, MS.


Taylor CW, Wallace DL. Hospital emergency incident command system. Paper presented at: Trinity Medical Center; 2006 Dec 4; Birmingham, AL.


Wallace DL. Alabama incident management system. Paper presented at: Alabama Department of Public Health; 2007 Apr 11; Montgomery, AL.

Wallace DL. Alabama incident management system. Paper presented at: International Pandemic Symposium; 2007 May 3; Point Clear, AL.

Wallace DL. Alabama incident management system. Paper presented at: Baldwin County Health Department; 2007 May 4; Robertsdale, AL.

Wallace DL. Alabama incident management system. Paper presented at: Alabama Environmental Health Association Meeting; 2007 May 17; Mobile, AL.

Wallace DL. Alabama incident management system. Paper presented at: Alabama Department of Public Health Patient Transfer Unit; 2007 May 29; Mobile, AL.


Wallace DL. Alabama incident management system. Paper presented at: Natural Hazards Center 32nd Annual Hazards and Applications Workshop; 2007 Jul 9; Boulder, CO.

Wallace DL. Alabama incident management system. Paper presented at: Alabama Department of Public Health EMS General Awareness Course; 2007 Jul 12; Montgomery, AL.

Wallace DL. Alabama incident management system. Paper presented at: Medical Reserve Corps; 2007 Jul 16; Mobile, AL.
Wallace DL. Alabama incident management system. Paper presented at: Alabama Department of Public Health EMS General Awareness Course; 2007 Jul 18; Mobile, AL.

Wallace DL. Alabama incident management system. Paper presented at: Centers for Disease Control and Prevention; 2007 Jul 23; Atlanta, GA.

Wallace DL. Alabama incident management system. Paper presented at: Springhill Memorial Hospital; 2007 Jul 27; Mobile, AL.

Wallace DL. Alabama incident management system. Paper presented at: Alabama Primary Health Care Association 22nd Annual Conference; 2007 Sep 7-8; Orange Beach, AL.

Wallace DL. Hospital emergency incident command system. Paper presented at: North Baldwin Infirmary; 2006 Oct 4; Mobile, AL.

Wallace DL. Hospital emergency incident command system. Paper presented at: Thomas Hospital; 2006 Oct 5; Mobile, AL.

Wallace DL. Hospital emergency incident command system. Paper presented at: Medical Reserve Corps; 2006 Nov 15; Fairhope, AL.

Wallace DL. Hospital emergency incident command system/national incident management system/national response plan. Paper presented at: Volunteer Mobile Board; 2007 Feb 15; Mobile, AL.

Wallace DL. Hospital emergency incident command system/national incident management system/national response plan. Paper presented at: Providence Hospital; 2007 Sep 12; Mobile, AL.

Wallace DL. Incident command system. Paper presented at: Alabama Department of Public Health Volunteer Symposium; 2006 Nov 9; Mobile, AL.

Wallace DL. Pandemic flu preparedness. Paper presented at: Coastal Insurance Basic Training Seminar; 2006 Oct 3; Montgomery, AL.

Wallace DL. Pandemic flu preparedness. Paper presented at: St. Paul's Episcopal School; 2006 Nov 7 & 16; Mobile, AL.

Wallace DL. Pandemic flu preparedness. Paper presented at: University of South Alabama Safety Committee; 2006 Nov 27; Mobile, AL.

V. SUMMARY OF ACTIVITIES

With an ongoing focus on the creation, development, and deployment of healthcare technology platforms, as well as the delivery of advanced preparedness teaching and training, the Center for Strategic Health Innovation (CSHI) continues to serve as a leader in innovative healthcare technology applications and solutions. CSHI activity continues to be focused on two major fronts: 1) creating, testing, defining and articulating the role of communication oriented technologies across multi-disciplinary healthcare platforms, and 2) teaching, training, and planning all-hazards disaster response. Through our efforts 736 statewide healthcare facilities were linked by the Alabama Incident Management System (AIMS), 752 attendees received disaster preparedness training, 822 educational hours were broadcast using videoconferencing, 180 patients participated in our home monitoring project, and approximately 95,000 patient records were managed by our Virtual Medical Record (VMR). Of special note this year, Carl Taylor, Assistant Dean and Director, received special recognition from Governor Bob Riley with his appointment to the Statewide Health Advisory Council of the Rural Alabama Action Commission (RAAC). This Commission was formed to build upon the community-based model of the Black Belt Action Commission and is charged with creating new partnerships to implement actionable items to improve the lives of rural citizens. The projects outlined below address the broad range of activities housed in CSHI:

Training Programs: Using HRSA funds, The Alabama Department of Public Health Center for Emergency Preparedness (ADPH CEP) contracted with CSHI for the Advanced Regional Response Training Center (ARRTC). In its fourth year, ARRTC is regional response training designed to teach effective collaborative healthcare community response to any disaster, be it natural or man-made. Approximately 579 participants traveled to Mobile for onsite training to include representatives from public health, hospitals, nursing homes, community health centers (CHCs), and emergency management and response agencies. New this year, CSHI offered ARRTC as a “Roadshow” and provided the basic disaster preparedness training curriculum to over 173 attendees, in 5 locations across the State: Anniston, Decatur, Dothan, Montgomery, and Tuscaloosa. Feedback from all 20 ARRTC sessions was overwhelmingly positive. CSHI also organized and provided speakers for 3 EMS General Awareness Courses. The purpose of the conference was to help EMS workers learn more about the importance or their roles in planning for and responding to emergency situations. Sessions were held in Mobile, Montgomery, and Huntsville with over 117 participants from across the State. And, finally, CSHI partnered with Degussa to deliver the International
Pandemic Flu Summit. Approximately 75 participants representing local health, business, industry, and education gathered to learn about the potential impact of a pandemic outbreak, as presented by local, national, and international experts on the subject.

**Technology Development and Deployment:** CSHI continually endeavors to use emerging health technologies to improve the quality, cost, care, and access to healthcare within our state and beyond. One of the keys to our success is the Realtime Medical Electronic Data Exchange (RMEDE), a proprietary, patient-specific virtual medical record (VMR) that is used to aggregate patient-specific information from multiple sources and to assemble this data into a provider friendly format. In the past year, CSHI has continued its critical partnerships with the State of Alabama Medicaid Patient 1st program and the Alabama Department of Public Health, to deliver home monitoring and reporting services for approximately 180 patients. In this program, patients suffering from chronic illnesses such as diabetes, congestive heart failure, and hypertension are enrolled in the program and monitored for significant changes. CSHI also expanded upon an ongoing partnership with Specialty Disease Management, Inc to provide data management and technical assistance for new projects with the States of Colorado, North Dakota, and Florida. Moreover, using State funds designated for the Black Belt, CSHI has developed Diagnostic State Space (DSS), an expanded capacity version of RMEDE that will be used to provide continuous data monitoring and analysis abilities, and include trending and anomaly detection. Over time, DSS will become a desktop accessible decision support tool for rural providers. We anticipate completion of product development by the end of this project year, with product delivery and deployment to Black Belt users in the upcoming year.

In addition to RMEDE and DSS, CSHI also boasts the continued success of the Alabama Incident Management System (AIMS). Initially developed in-house in 2004, AIMS is management information software designed to capture Hospital Emergency Incident Command System (HEICS) reported surge data, or information regarding the real-time status of a hospital’s ability to triage, treat, and transfer victims of a disaster in a timely manner. Critical data such as available beds, supplies, staffing, and equipment is entered into a database at each participating healthcare facility and then transmitted and displayed at the local or regional Emergency Operations Centers (EOC) for use making emergent decisions. Under contract with ADPH CEP, CSHI added several new features to AIMS including enhanced training manuals and videos, an email notification feature, access to an Alternate Care Site facility, a transfer center indicating patient transfer requests and EMS vehicle availability, and an Incident tracking module. AIMS users include 131 hospitals, 18 medical needs shelters, 256 nursing homes, 17 community health centers and 314 EMS providers. Of recent significance, AIMS was activated statewide during the Tornado in Enterprise, and was used by ADPH this summer to enter and monitor heat-related data.
Finally, CSHI delivered over 822 educational hours of videoconferencing activities. Of these, 188 hours were provided for Medicine Grand Rounds, 84 hours for Surgery Grand Rounds, and 124 hours for Radiology Grand Rounds. In addition, 84 hours were provided for health-related satellite conferences and 16 hours of Freedom calls were provided linking soldiers in Iraq to their families. CSHI also employed the videoconferencing network to outreach to other University and State departments for collaborative efforts, such as Allied Health lectures broadcast to the Oklahoma School for the Deaf and Blind, the Biology Consortium monthly meetings, and the State and Regional Perinatal Advisory meeting. These efforts confirm our belief that educational programs offered through videoconferencing results in bringing insight, experience, and expertise into participating remote communities that otherwise would not be available.
2006-2007
Summary of Activities
Office of Development and Alumni Relations

The 2006-07 President of the USA Medical Alumni Association was Dr. R. Lamar Duffy '84. The following physicians served on the Executive Board of Directors: Dr. Oscar Almeida '85, Dr. William Blaylock '89, Dr. Gregory Cotter '80, Dr. Cynthia Donnell (resident alumnae), Dr. Diana Hashimi '90, Dr. Russell Hudgens '87, Dr. Wanda Kirkpatrick '78, Dr. Amy Morris '93, Dr. Thomas Montgomery '81 (President-elect), Dr. Carol Norden '85, Dr. Kit Outlaw '92, Dr. Jill Ringold '01, Dr. David Ross '79, Dr. John Todd '88, and Dr. Stacey Wing '96. Dr. Lee Thompson withdrew mid-term for professional reasons. The total number of medical graduates for the COM is 1,923. This number does not include our Ph.D. graduates (152) or our past and current housestaff.

Scholarship development and recognition of academic achievement continues to be a primary focus. Twenty (20) freshman alumni scholarships were awarded. Recipients were named for the Christian Grinnaker Memorial Scholarship, the Clyde "Sid" Huggins Scholarship, and the Lester Sockwell Scholarship. In addition, two seniors were given $1,000 Travel Assistance Awards for academic foreign clerkship. The Medical Alumni Leadership Award was presented to a senior by vote of his/her class in recognition of service.

The Annual Medical Alumni Weekend was held June 15-16, 2007 at the Perdido Beach Resort. Six reunion classes participated: 1977, 1982, 1987, 1992, 1997, and 2002. Four CME hours were presented by alumni: Dr. Jay Montgomery '77, National Navy Medical Center, Division of Allergy and Immunology; Dr. Jett Broughton '82, USAMC Pulmonary and Sleep Medicine; Dr. Mark Williams '80, UABSOM Department of Anesthesiology; and Dr. James Cummings '82, St. Louis University School of Medicine, Division of Urology. Dr. Gaylord T. Walker, former surgery residency director and resident alumus, was honored with the 2007 Service Award. Dr. Samuel J. Strada, College of Medicine Interim Dean, presented an update on new COM developments regarding research, faculty, and education. The association presented him with a $25,000 check for the Alumni Endowment Fund and a $1,000 check for the Dr. Edwin R. Hughes Memorial Endowment Fund. The association also presented a check for $12,500 to the Dr. John B. Bass, Jr. Endowment Fund.

September 2006 marked the completion of a major project for Gross Anatomy Laboratory, the addition of a computer-enhanced system. Chapter meetings were held in Dothan, Mobile, and Birmingham. The Montgomery event was cancelled due to low attendance.

The association also sponsored or donated to the following student events: White Coat Ceremony for the sophomore class, the Senior Reception, and various class activities including the Caduceus Ball, Review of Systems, Ski Night, and class intramural sports. A spring lecture was hosted for COM I and II students with guest speaker Dr. Daniel Potts '93, a Tuscaloosa neurologist.
The Ernest G. DeBakey Charitable Foundation donated $280,000 to establish The Ernest G. DeBakey Scholarship Fund in the USA College of Medicine. The DeBakey Scholarship Fund will award two full four-year medical scholarships to students who agree to practice in underserved rural Alabama upon completion of their primary care residency.

The College of Medicine would like to recognize Dr. John B. Bass, Jr.'s leadership and dedication to medical education by establishing an endowment in his name that supports teaching in general internal medicine. This is a fitting tribute to honor a respected faculty member who has devoted his life to preparing future generations to practice the art of medicine. If you would like to contribute to the Dr. John B. Bass, Jr. Education Fund in Internal Medicine, please contact Mr. Travis Grantham, Director of Medical Development and Alumni Relations at (251) 461-1775 or e-mail tgrantham@usouthal.edu.
2006-2007
OFFICE OF STUDENT AFFAIRS

The Office of Student Affairs is responsible for all educational programs in the College of Medicine from admission through graduation from medical school. These activities encompass the areas of Admissions, Student and Academic Affairs, and Continuing Medical Education. An Assistant Dean of Curriculum oversees curriculum and an Assistant Dean of Graduate Medical Education oversees the residency programs.

Activities of the Office of Student Affairs are accomplished through offices in the Medical Sciences Building, Central Services and Administration Building, and Mastin Building at the USA Medical Center.

Student Affairs

Orientation programs, entirely organized by sophomore student efforts, were held for entering Freshmen. The 74 Freshman students attended two and a half days of structured activities which included introductory talks or presentations from the COM administration, Biomedical Library, Counseling Services, and various student organizations, a course in CPR and a book and instrument sale. Events included dinners at faculty or sophomore student homes on Friday night and a variety of optional activities on Friday. Wednesday evening events included dinner and a Bay Bears baseball game and a party at USA Brookley Magnolia Room was planned for Thursday evening. These events were all very well attended and enjoyed by everyone.

Junior Orientation was held in the Mastin Building on the USAMC Campus on May 7, 2007. The Mastin office of Student Affairs organized the program which included advice from faculty and students on how to succeed in the Junior year. Additional presentations were made by staff from Medical Records, Risk Management, Infection Control, Quality Assurance, the Biomedical Library, and Hospital Safety and Security. In addition, the students were recertified in Basic Life Support.

The sixth annual White Coat Ceremony, sponsored again this year by the Medical Alumni Association, was held on Saturday, May 5, 2007, in the University Ballroom. Rising third-year students and their families were welcomed by Dr. Margaret O'Brien for the Office of Student Affairs, Dr. Lamar Duffy for the Medical Alumni Association, and Dr. Samuel Strada, Interim Dean for the College of Medicine. Dr. John Bass of the department of Internal Medicine gave a short talk on what it means to be a physician. Drs. Duffy and Strada then presented the students with a white coat and a lapel pin (courtesy of the USACOM Alumni Association and the Arnold P. Gold Foundation for Humanism in Medicine, respectively). Dr. Margaret O'Brien administered the USA "Medical Student Oath." The president of the class, Andrew Hodge, also addressed the assembly. The newly selected members of the USA chapter of the Gold Humanism in Medicine Honor Society which included one faculty member, Dr. Charles Rodning. The formal program was followed by a reception in the College of Medicine Conference Room followed by a tour of the MSB facility. The events were well attended and received good reviews from all who came.

The College of Medicine sponsored its chapter of the Student National Medical Association in hosting the Southeast Regional meeting which was held at the Mobile Convention Center in November, 2006. Students were also sponsored by the Office of Student Affairs to attend national meetings of the AAMC and the AMA. The Office of Student Affairs was also supportive of the newly formed Gay Students Association.
During 2006-2007, the College of Medicine website was extensively revised. See www.southalabama.edu/com. Following last year’s renovations to the MSB first floor auditorium, renovations to the Freshman Auditorium were begun in the summer of 2007. The Office of Student Affairs also sponsored lunchtime sessions on dealing with stress for first and second year students.

Student Affairs supports a tutoring program which pays upperclassman and/or graduate students to tutor Freshman and Sophomore students who request assistance. In 2006-2007, seven (7) tutors provided 140.75 hours of tutoring to nine (9) students in Physiology, Neuroscience, Histology, Pharmacology, Biochemistry, Gross Anatomy, and Developmental.
The number of visiting medical students who participated in Senior elective courses at USACOM in 2005-2007 is outlined below:

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<table>
<thead>
<tr>
<th>Completed Paperwork, but Cancelled Visit</th>
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<td>From LCME Schools</td>
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<td>From Osteopathic Schools</td>
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<td>From Foreign Schools</td>
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Letters of evaluation (Dean’s Letters) were written for each of the 63 seniors who graduated in May, 2007. Students applied to 1240 residency programs through the AAMC Electronic Residency Application Service (ERAS).

Sixty (60) of the sixty-three (63) students matched for residency positions. Fifty-six (56) of the May graduates used the NRMP as their primary means of obtaining residency. Four (4) graduates used the Military Match. Two (2) students secured residency training positions in the “scramble” that followed the match and one deferred.

<table>
<thead>
<tr>
<th>Number of Graduates</th>
<th>Match Utilized</th>
<th>Initially Failed to Match in NRMP</th>
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<tr>
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<td>NRMP</td>
<td>Non-NRMP*</td>
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<td>2003</td>
<td>60</td>
<td>49</td>
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<tr>
<td>2004</td>
<td>61</td>
<td>56</td>
</tr>
<tr>
<td>2005</td>
<td>60</td>
<td>50</td>
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<td>2006</td>
<td>61</td>
<td>55</td>
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<tr>
<td>2007</td>
<td>63</td>
<td>56</td>
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### University of South Alabama Seniors
#### Residencies Received by Discipline

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Class of 2003</th>
<th>Class of 2004</th>
<th>Class of 2005</th>
<th>Class of 2006</th>
<th>Class of 2007</th>
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<tbody>
<tr>
<td>PRIMARY CARE:</td>
<td>30 51%</td>
<td>36 59%</td>
<td>25 42%</td>
<td>28 46%</td>
<td>27 43%</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>17 29%</td>
<td>19 31%</td>
<td>15 25%</td>
<td>11 18%</td>
<td>18 29%</td>
</tr>
<tr>
<td>Family Medicine</td>
<td>3 5%</td>
<td>9 15%</td>
<td>2 3%</td>
<td>4 7%</td>
<td>0</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>8 14%</td>
<td>6 10%</td>
<td>6 10%</td>
<td>9 15%</td>
<td>6 10%</td>
</tr>
<tr>
<td>Med/Psych</td>
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<td>0</td>
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<tr>
<td>Med/Peds</td>
<td>2 3%</td>
<td>1 2%</td>
<td>2 3%</td>
<td>4 7%</td>
<td>3 5%</td>
</tr>
<tr>
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<tr>
<td>Dermatology</td>
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<tr>
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<td>2 4%</td>
<td>4 1%</td>
<td>1 1%</td>
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<tr>
<td>Neurology</td>
<td>2 2%</td>
<td>4 5%</td>
<td>5 1%</td>
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<tr>
<td>OB/Gyn</td>
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<td>5 6%</td>
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<tr>
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<td>4</td>
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<td>Physical Medicine &amp; Rehabilitation</td>
<td>3 2%</td>
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<tr>
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<tr>
<td>Psychiatry/Neurology</td>
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<td></td>
<td></td>
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<td>1 0%</td>
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<tr>
<td>Radiology</td>
<td>3 2%</td>
<td>4 3%</td>
<td>3</td>
<td>4</td>
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<tr>
<td>Surgery</td>
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### University of South Alabama Seniors
#### Residencies Received by State

<table>
<thead>
<tr>
<th>Year</th>
<th>Alabama</th>
<th>USA Hospitals (Mobile)</th>
<th>Out-of-State</th>
<th>Number of Different States</th>
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<td>42%</td>
<td>20</td>
<td>34 58%</td>
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<td>2004</td>
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<td>38%</td>
<td>14</td>
<td>38 62%</td>
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<td>2005</td>
<td>25</td>
<td>42%</td>
<td>15</td>
<td>34 57%</td>
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<tr>
<td>2006</td>
<td>23</td>
<td>37%</td>
<td>12</td>
<td>38 62%</td>
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<tr>
<td>2007</td>
<td>26</td>
<td>41%</td>
<td>18</td>
<td>36 57%</td>
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</table>
Sixty-three seniors received the Doctor of Medicine degree at Commencement on May 5, 2007. On the evening of May 4, the College held its thirty-second Honors Convocation, which took place in the Mitchell Center. Dr. Errol D. Crook addressed the class and Marianthe D. Grammas responded for the graduates. Prior to hooding the graduates, the following awards were presented:

Dean's Award ................................................................. Tricia Allison Day Gibbs
Outstanding Student in the Anatomical Sciences .............................................. Tricia Allison Day Gibbs
                                                                  Stacey Michelle Miller
Charles M. Baugh Award in Biochemistry .............................................. Sean Michael Roark
Medical Assurance Award .............................................................. Tara Marie Brents
Leonard Tow Humanism in Medicine Award ........................................ Sarah Elaine Styers
                                                                  John Schultz, M.D.
SNMA Leadership Award ............................................................... Chenita Marie Landry
Community Service Award ............................................................. Sarah Elaine Styers
Lewis Anderson Medical Student Achievement Award .............................. Timothy Lee Frerichs
Obstetrics/Gynecology Award ............................................................ Cara Brooke Lenz
William A. Gardner, Jr. Pathology Award ........................................ Tara Marie Brents
Merck Award ........................................................................... Christy Gautier Mumphrey
                                                                  Stacey Michelle Miller
Samuel Eichold Award ................................................................. Stacey Michelle Miller
Hollis J. Wiseman Award for Excellence in Pediatrics ............................ Christy Gautier Mumphrey
Pharmacology Achievement Award ....................................................... Justin Doyle Campbell
John W. Donald Memorial Award in Surgery ........................................... Jonathan Scott Adkison
Medical Alumni Leadership Award ...................................................... Sarah Elaine Styers
Charles W. Urschel Achievement Award in Physiology ........................... Holly Jeanette Wimpee Gunn
Excellence in Emergency Medicine Award ............................................ Christie Leigh Jones
                                                                  Kashif Hussain Taufique
### Grade Distribution 2006 – 2007 Academic Year

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<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internal Medicine</td>
<td></td>
<td>34</td>
<td>27</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neurology</td>
<td></td>
<td>48</td>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Obstetrics/Gynecology</td>
<td></td>
<td>42</td>
<td>13</td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Pediatrics</td>
<td></td>
<td>23</td>
<td>35</td>
<td>2</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Psychiatry</td>
<td></td>
<td>55</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surgery</td>
<td></td>
<td>27</td>
<td>37</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Academic Progress of Medical Students

**Source:** Part II of LCME Annual Medical School Questionnaire

<table>
<thead>
<tr>
<th></th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial Students in Class</strong></td>
<td>65</td>
<td>67</td>
<td>60</td>
<td>64</td>
<td>67</td>
</tr>
<tr>
<td><strong>Graduates</strong></td>
<td>59</td>
<td>60</td>
<td>56</td>
<td>60</td>
<td>63</td>
</tr>
<tr>
<td><strong>True Attrition (will not receive M.D. in any year)</strong></td>
<td>1</td>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dismissed</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshmen</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Sophomores</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Juniors</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Seniors</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><strong>Placed on Leaves of Absence (LOA)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshmen</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Sophomores</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Juniors</td>
<td>10</td>
<td>11</td>
<td>7</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td><strong>Transferred to Another Medical School</strong></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td><strong>Withdrew</strong></td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><strong>Admitted with Advanced Standing or Re-entered from Graduate School</strong></td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td><strong>Deceased</strong></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td><strong>Repeated All or Part of the Year</strong></td>
<td>5</td>
<td>3</td>
<td>6</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Enrolled on a Decelerated Schedule</strong></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Minority Students (Black, Native American, Hispanic)</th>
<th>2002-03</th>
<th>2003-04</th>
<th>2004-05</th>
<th>2005-06</th>
<th>2006-07</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>35</td>
<td>30</td>
<td>28</td>
<td>28</td>
<td>31</td>
</tr>
<tr>
<td>Freshmen</td>
<td>9</td>
<td>7</td>
<td>8</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>All Other Classes</td>
<td>26</td>
<td>23</td>
<td>20</td>
<td>22</td>
<td>21</td>
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</tbody>
</table>
United States Medical Licensure Examination (USMLE) Step 1
First Time Takers

<table>
<thead>
<tr>
<th></th>
<th>2002</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Students</td>
<td>64</td>
<td>62</td>
<td>59</td>
<td>65</td>
<td>64</td>
</tr>
<tr>
<td>National Overall Mean</td>
<td>216</td>
<td>216</td>
<td>216</td>
<td>217</td>
<td>218</td>
</tr>
<tr>
<td>USACOM Overall Mean</td>
<td>207</td>
<td>210</td>
<td>208</td>
<td>225</td>
<td>211</td>
</tr>
<tr>
<td>Failure Rate - National</td>
<td>9%</td>
<td>8%</td>
<td>8%</td>
<td>7%</td>
<td>7%</td>
</tr>
<tr>
<td>Failures at USA</td>
<td>14%</td>
<td>18%</td>
<td>12%</td>
<td>2%</td>
<td>9%</td>
</tr>
</tbody>
</table>

Standard Deviation approximately 20

United States Medical Licensure Exam (USMLE) Step 2
First Time Takers

<table>
<thead>
<tr>
<th></th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Students</td>
<td>59</td>
<td>64</td>
<td>60</td>
<td>59</td>
<td>Not Avail.</td>
</tr>
<tr>
<td>National Overall Mean</td>
<td>216</td>
<td>218</td>
<td>220</td>
<td>221</td>
<td>Not Avail.</td>
</tr>
<tr>
<td>USACOM Overall Mean</td>
<td>215</td>
<td>211</td>
<td>219</td>
<td>212</td>
<td>Not Avail.</td>
</tr>
<tr>
<td>Failure Rate - National</td>
<td>4%</td>
<td>6%</td>
<td>6%</td>
<td>6%</td>
<td>Not Avail.</td>
</tr>
<tr>
<td>Failures at USA</td>
<td>7%</td>
<td>11%</td>
<td>5%</td>
<td>8%</td>
<td>Not Avail.</td>
</tr>
</tbody>
</table>

Points above and below national mean in parentheses

NA = Not Available. Individual 3-digit scores no longer reported after 2001

Minimum passing score = 170 for Class of 1997-2000; 174 beginning with Class of 2001; 182 beginning with the Class of 2004
Standard deviation = approximately 20
United States Medical Licensure Examination (USMLE) Step 3

<table>
<thead>
<tr>
<th></th>
<th>Class of 2000</th>
<th>Class of 2001</th>
<th>Class of 2002</th>
<th>Class of 2003</th>
<th>Class of 2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Percentage Passing</td>
<td>95</td>
<td>95</td>
<td>96</td>
<td>96</td>
<td>97</td>
</tr>
<tr>
<td>USA Percentage Passing</td>
<td>100</td>
<td>97</td>
<td>93</td>
<td>100</td>
<td>98</td>
</tr>
<tr>
<td>USA Number of Students</td>
<td>51*</td>
<td>63**</td>
<td>59***</td>
<td>58×</td>
<td>53××</td>
</tr>
</tbody>
</table>

*53/58 students have taken Step 3 as of 4/03  
**51/59 students have taken Step 3 as of 8/03  
***63/65 students have taken Step 3 as of 12/05  
× 59/60 students have taken Step 3 as of 12/06  
××58/60 students have taken Step 3 as of 12/06
Evaluation of Student Performance in the First Postgraduate Year*

The questionnaire adopted by the Curriculum Committee in 1990-91 for assessment of graduates of the College of Medicine was sent to the Directors of the PGY-1 programs of our 2006 graduates. A total of 33 responses were received out of 64 requests. Below is a summary of the responses to the four major areas that were assessed.

<table>
<thead>
<tr>
<th></th>
<th>Class of 2003</th>
<th>Class of 2004</th>
<th>Class of 2005</th>
<th>Class of 2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Knowledge</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Top Fifth</td>
<td>26%</td>
<td>23%</td>
<td>24%</td>
<td>1%</td>
</tr>
<tr>
<td>Upper Middle Fifth</td>
<td>28%</td>
<td>20%</td>
<td>33%</td>
<td>27%</td>
</tr>
<tr>
<td>Middle Fifth</td>
<td>36%</td>
<td>47%</td>
<td>36%</td>
<td>51%</td>
</tr>
<tr>
<td>Lower Middle Fifth</td>
<td>10%</td>
<td>7%</td>
<td>4%</td>
<td>13%</td>
</tr>
<tr>
<td>Bottom Fifth</td>
<td>0%</td>
<td>3%</td>
<td>2%</td>
<td>0%</td>
</tr>
<tr>
<td>Data Collection</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Top Fifth</td>
<td>21%</td>
<td>26%</td>
<td>16%</td>
<td>12%</td>
</tr>
<tr>
<td>Upper Middle Fifth</td>
<td>52%</td>
<td>30%</td>
<td>47%</td>
<td>39%</td>
</tr>
<tr>
<td>Middle Fifth</td>
<td>26%</td>
<td>40%</td>
<td>38%</td>
<td>45%</td>
</tr>
<tr>
<td>Lower Middle Fifth</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>3%</td>
</tr>
<tr>
<td>Bottom Fifth</td>
<td>0%</td>
<td>3%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Clinical Judgment and Skills</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Top Fifth</td>
<td>21%</td>
<td>20%</td>
<td>23%</td>
<td>21%</td>
</tr>
<tr>
<td>Upper Middle Fifth</td>
<td>55%</td>
<td>50%</td>
<td>41%</td>
<td>36%</td>
</tr>
<tr>
<td>Middle Fifth</td>
<td>24%</td>
<td>23%</td>
<td>33%</td>
<td>39%</td>
</tr>
<tr>
<td>Lower Middle Fifth</td>
<td>0%</td>
<td>7%</td>
<td>2%</td>
<td>6%</td>
</tr>
<tr>
<td>Bottom Fifth</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Professional Attitudes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Top Fifth</td>
<td>28%</td>
<td>37%</td>
<td>27%</td>
<td>24%</td>
</tr>
<tr>
<td>Upper Middle Fifth</td>
<td>52%</td>
<td>37%</td>
<td>40%</td>
<td>33%</td>
</tr>
<tr>
<td>Middle Fifth</td>
<td>17%</td>
<td>23%</td>
<td>27%</td>
<td>39%</td>
</tr>
<tr>
<td>Lower Middle Fifth</td>
<td>2%</td>
<td>3%</td>
<td>7%</td>
<td>3%</td>
</tr>
<tr>
<td>Bottom Fifth</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

*Evaluated by Residency Program Director and/or Faculty
CURRICULUM COMMITTEE

The 2006-2007 Curriculum Committee was chaired by Dr. Michael Culpepper, Department of Internal Medicine. The committee focused on the following issues.

The first subcommittee focused on curriculum integration. The charge to this subcommittee was to develop an integrated core of clinical correlation cases. The clinical cases will be a resource for basic science faculty and will be incorporated longitudinally into the first two years. The strategy of the subcommittee was to first define topics to be covered in the core curriculum and second to develop clinical materials. The underlying concept for the core clinical curriculum is to connect the basic science material in a longitudinal thread ultimately to incorporate the first two years of the medical curriculum into the clinical years. Common and prevalent disease states (such as diabetes) were identified and utilized.

The second subcommittee was the Women’s Health Subcommittee. This subcommittee was charged with determining where the APCO objectives are being covered in our current curriculum and where women’s health topics can be further incorporated. The strategy of this subcommittee was to generate a course director survey on gender differences in the presentation, diagnosis and treatment of common disease entities in order to document coverage and identify areas that need strengthening.

As a part of the continuing evaluation of our curriculum, during the 2006-2007 academic year the Clerkship Directors from each of the third year clerkships presented an update to the Curriculum Committee. Additionally, updates were presented on the two new courses, Neuroscience and Fundamentals of Doctoring.

During this academic year, four new fourth year electives were approved. They included an Acting Internship in Psychiatry, an elective in Clinical Pathologic Correlation, a research elective in OB/GYN and a second OB/GYN elective which would allow for flexible scheduling (i.e., two weeks on ultrasound and two weeks on high risk) based on the interest of the student.

Over the past several years we have tried to identify a mechanism to get feedback concerning the fourth year electives. An online evaluation is now in place and can be accessed through “QuestionMark”, our online testing software.

The USMLE educational directive #8, requiring that medical schools institute policies limiting the number of hours that students can engage in clinical work, was discussed at several of the meetings. A policy regarding the maximum number of student work hours was developed by Dr. O’Brien and adopted by the committee. Additionally, the committee reviewed proposed time sheets for students which would be submitted every other week. It was felt that a two week period was feasible and that the time sheet should only show actual “duty hours.” The time sheet was also adopted by the committee.
EXECUTIVE COMMITTEE OF STUDENT ASSEMBLY

As set forth in the Student Handbook, the Student Assembly addressed issues affecting student life. The Officers for 2006-07 were Andrea Braden - President, Zach Chambers - Vice President, Karl Schroeder – Sec/Treas, and Sarah Styers – Community Service Rep. The Faculty Advisors were Dr. Judy Blair-Elortegui, Internal Medicine and Dr. Elliott Carter, Pathology.

ISSUES ADDRESSED BY THE STUDENT ASSEMBLY

1) Student Health Insurance. Historically, the Student Assembly negotiated with and selected a policy for medical students and Allied Health students. Because of the young age and relative good health of most students, the rates have been very reasonable in the past. Recent student illnesses resulted in an increase in the fees. Pressure from some students’ parents recommended that students be permitted to buy policies through the American Medical Association. Concepts of equity in coverage were discussed in length. The prior College of Medicine policy requiring that students could have outside coverage if deemed “comparable” to the student’s selected policy was held by the College of Medicine Administration to be unreasonable and the policy was changed. The new policy requires that it is mandatory for students to have the student’s selected policy unless they are currently covered through a policy held by parents or a spouse. The Student Assembly did meet with representatives of Alabama Administrators and selected a policy for the 2007-2008 academic year. By-laws for the Gold Humanism in Medicine Honor Society were proposed.

2) The existing Aid to Impaired Medical Students service was reviewed. Students felt that the word “impaired” was inappropriate and that intra-class interventions were likely less effective than an inter-class intervention system. A new name of “SNAP” for student needs and assistance program was proposed and further restructuring is expected in 2007-2008. The Student Assembly was advised that a new student association called the Gay Student Association had been formed.

3) Concerns were voiced over the Introduction to Clinical Medicine course that apparently had experienced some scheduling conflict and faculty no-shows; Dr. O’Brien passed these concerns on to the Department of Internal Medicine.

4) With the passing of senior medical student, Regan Robinson, a scholarship fund was formed and the Student Assembly contributed. Regan received a posthumous degree at graduation.

5) Student Assembly coordinated a pager swap between seniors and rising third year students.

6) A residency advice forum was held for the first time for rising third year students. It was felt that a similar program should be put on for first and second year students in the upcoming year.

7) Students attended several national meetings and the Student National Medical Association sponsored a regional meeting during the 2006-07 academic year.
### OFFICE OF FINANCIAL AID

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Financial Aid</strong></td>
<td>$6,262,549</td>
<td>$6,996,664</td>
<td>$7,112,209</td>
<td>$7,476,092</td>
<td>$8,732,001</td>
</tr>
<tr>
<td><strong>Students on Aid</strong></td>
<td>247</td>
<td>245</td>
<td>247</td>
<td>244</td>
<td>252</td>
</tr>
<tr>
<td><strong>Loans</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perkins</td>
<td>898,000</td>
<td>928,158</td>
<td>865,985</td>
<td>912,480</td>
<td>1,350,000</td>
</tr>
<tr>
<td>Stafford Loan</td>
<td>1,851,680</td>
<td>1,815,092</td>
<td>1,599,284</td>
<td>1,612,329</td>
<td>1,925,439</td>
</tr>
<tr>
<td>Graduate Unsubsidized</td>
<td>2,926,423</td>
<td>3,536,833</td>
<td>3,543,821</td>
<td>3,752,394</td>
<td>4,310,896</td>
</tr>
<tr>
<td>Outside Private Loans</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>27,398</td>
<td>22,495</td>
</tr>
<tr>
<td><strong>Total Loans</strong></td>
<td>$5,676,103</td>
<td>$6,280,083</td>
<td>$6,009,090</td>
<td>$6,304,601</td>
<td>$7,608,830</td>
</tr>
<tr>
<td><strong>Scholarships</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University Sponsored</td>
<td>372,200</td>
<td>417,638</td>
<td>410,923</td>
<td>493,272</td>
<td>545,506</td>
</tr>
<tr>
<td>Outside Sponsored</td>
<td>87,046</td>
<td>148,054</td>
<td>510,561</td>
<td>481,251</td>
<td>305,514</td>
</tr>
<tr>
<td>Military – Army</td>
<td>27,088</td>
<td>32,004</td>
<td>38,395</td>
<td>27,423</td>
<td>14,439</td>
</tr>
<tr>
<td>Military – Navy</td>
<td>27,060</td>
<td>21,300</td>
<td>25,808</td>
<td>27,557</td>
<td>72,917</td>
</tr>
<tr>
<td>Military – Air Force</td>
<td>18,052</td>
<td>42,585</td>
<td>62,432</td>
<td>96,988</td>
<td>144,795</td>
</tr>
<tr>
<td>Alabama Medical Board Scholarship</td>
<td>55,000</td>
<td>55,000</td>
<td>55,000</td>
<td>45,000</td>
<td>40,000</td>
</tr>
<tr>
<td><strong>Total Scholarships</strong></td>
<td>$586,446</td>
<td>$716,581</td>
<td>$1,103,119</td>
<td>$1,171,491</td>
<td>$1,123,171</td>
</tr>
</tbody>
</table>

**Average Indebtedness of a Graduating Senior**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Indebtedness</td>
<td>$82,904</td>
<td>$88,830</td>
<td>$90,416</td>
<td>$98,952</td>
<td>$126,116</td>
</tr>
</tbody>
</table>

An Emergency Loan Fund is available to medical students. Loans of up to $500 may be obtained by students through a fund administered by the Office of Student Affairs and Medical Education for a period of up to 60 days for the purpose of alleviating an unanticipated financial need. There is no interest charged. During the period August 1, 2006, through July 31, 2007, 15 emergency loans were approved for a total amount of $8,500.00. During that period, 13 payments totaling $7,400.00 were paid back into the loan account.
OFFICE OF EDUCATIONAL ENRICHMENT

Biomedical Enrichment and Recruitment Program (BEAR):

Phase I:

The summer of 2007 marked the completion of the twenty-first year for the BEAR program. There were a total of thirty-eight (38) applications submitted for the 2007 program. Twelve (12) students entered into Phase I of the BEAR program.

The students selected for Phase I of the program represented the following schools:

- Alabama A&M .......................................................... 1
- Alabama State ...................................................... 3
- Alcorn State .......................................................... 2
- Miles College ......................................................... 1
- Mississippi State .................................................. 1
- Mississippi University for Women ............................. 1
- Springhill ............................................................. 1
- Stillman ............................................................... 1
- University of Mississippi ........................................ 1

and are residents of the states of Alabama (7), Georgia (1) and Mississippi (4). Seven (7) of the students are female and five (5) are male. All are African American. The grade point averages of the students who entered Phase I of the program ranged from 3.4 to 4. Their ACT score range was 18 to 27. To date, a total of 221 students have entered the BEAR program.

Phase II:

All twelve students who participated in Phase I of the program during the last summer (2006) were successful. However, two (2) of the twelve students withdrew from the program.

The ten (10) students participating in Phase II in 2007 represented the following schools:

- Alabama A&M .......................................................... 2
- Springhill ............................................................. 1
- Stillman ............................................................... 1
- Tennessee State .................................................... 1
- Tuskegee University .............................................. 1
- University of South Alabama ................................... 4
Of the ten (10) Phase II students who participated, eight (8) are residents of Alabama, one (1) is a resident of Mississippi, and one (1) is a resident of Georgia. All ten (10) students in Phase II were successful.

In August 2007, seven (7) minority freshmen entered the College of Medicine; three (3) entered through the BEAR program.

RECRUITMENT

In addition to the BEAR program recruitment efforts, the Office of Educational Enrichment visited five (5) universities in an effort to recruit students. The universities visited were: Alabama State, Spellman, Tougaloo, Tuskegee and Talladega. Also, in an effort to track and recruit students we have mailed letters and information to freshmen, sophomores, juniors and seniors at these schools.
USA College of Medicine
Office of Admissions
Annual Report for 2006-2007

Applicant Pool and Acceptance Data

The University Of South Alabama College Of Medicine participates in the American Medical College Application Service (AMCAS). The period for receiving applications to the College of Medicine for the class entering August 13, 2007, opened June 1st and closed November 15, 2006.

For the Class of 2011, one thousand one hundred (1100) applications were received. Three hundred eighty-five (385) applications were received from Alabama residents, six hundred twenty-five (625) applications from out of state U.S. citizens, and ninety (90) applications from citizens of foreign countries. The Admissions Committee interviewed a total of two hundred ten (210) applicants of which one hundred eighty-eight (188) were residents of Alabama. Of the applicants interviewed, one hundred forty-five (145) were offered admission to fill a class of seventy-four (74). Sixty-five (65) of the matriculating students are Alabama residents. Twelve (12) offers of admission were made to black applicants; seven (7) will matriculate. Three (3) of the matriculating black students are BEAR (Biomedical Enrichment and Recruitment) students. This year, our records indicate an increase in the number of applicants (1054 in '06 vs. 1100 in ‘07); there was a decrease in Alabama applicants (410 in '06 vs. 385 in '07). Table I gives comparative data since 2004.

The 2006 entering class has an exceptional "mix" of academically well-qualified students who graduated from twenty-seven (27) colleges and universities. However, 51% of this year's class is made up of students from the four largest universities in the state.

Recruitment and Retention Efforts

1. Undergraduate campus recruiting visits and sophomore interviews were implemented by "teams" of faculty, administration, and medical students. The USACOM recruiting teams counseled over 500 premedical students at 12 colleges and universities.

2. The Director of Admissions served as the admissions counselor and advised prospective students on a daily basis. In addition, selected faculty members advised prospective applicants periodically.

3. Premedical visitation day programs were organized and conducted to provide prospective applicants with an opportunity to tour the College of Medicine facilities, learn about the application process, meet with medical students and faculty, and obtain information on financial aid, housing, and the community.

4. Informative health career related programs were organized and conducted upon request for high school students, community organizations, and premedical special interest groups.

5. Special admissions reports and correspondence were produced and distributed monthly to in-state premedical advisors and selected out-of-state advisors.
6. A total of 16 Applicant Interview Day programs were conducted from September until early April. The interviewers, primarily College of Medicine basic science and clinical faculty, serve as members of the Committee on Admissions and/or ad hoc committee. These members interviewed 210 candidates; each interviewee was interviewed by three committee members, giving a total of 630 interviews.

7. The following Admissions Committee subcommittees were active in 2006-07:
   Early Acceptance Program Subcommittee

**Early Acceptance Program**

In 1990, the College of Medicine and the University's Health Preprofessions Program established an Early Acceptance Program (EAP) for qualified high school graduates interested in a career in medicine. Candidates selected for this program must have a minimum high school GPA of 3.5 and an ACT score of 28 (or comparable SAT). Candidates selected for this program receive early acceptances from the University of South Alabama and the University of South Alabama College of Medicine. The students enter the Health Preprofessions Program at the University of South Alabama, and their curriculums include the core requirements for their selected baccalaureate program and prerequisites for entering medical school. Students in this program must maintain a specific GPA during college, and are required to meet all other requirements for entering medical school. Students participate in a variety of activities selected to provide a broad exposure to medical education. Students participating in the program are expected to enter the College of Medicine following completion of the baccalaureate degree.

In 2007, the EAP Subcommittee interviewed 45 applicants for the program and offered 15 acceptances.
### Table 1
University of South Alabama College of Medicine Admissions Report

<table>
<thead>
<tr>
<th></th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
</tr>
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<tbody>
<tr>
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<td>809</td>
<td>1054</td>
<td>1100</td>
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<tr>
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<tr>
<td>Alabama</td>
<td>353</td>
<td>362</td>
<td>410</td>
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<td>Foreign</td>
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<td>103</td>
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<td>170</td>
<td>207</td>
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<tr>
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</tr>
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<td>46</td>
<td>48</td>
</tr>
<tr>
<td>Out-of-State Black</td>
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<td>Black (excludes BEARs)</td>
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<td>Alabama</td>
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<tr>
<td>Service Areas (FL &amp; MS)</td>
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<td>8</td>
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<td>74</td>
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<tr>
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<td>3.65</td>
<td>3.7</td>
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<tr>
<td><strong>Residence:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alabama</td>
<td>56</td>
<td>62</td>
<td>65</td>
<td>65</td>
</tr>
<tr>
<td>Out-of-State</td>
<td>6</td>
<td>2</td>
<td>7</td>
<td>4</td>
</tr>
<tr>
<td>Service Areas (FL &amp; MS)</td>
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<td>4</td>
</tr>
<tr>
<td>Foreign</td>
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<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Female</td>
<td>25</td>
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<td>37</td>
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<tr>
<td>Rural</td>
<td>8</td>
<td>19</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td>Total Black</td>
<td>6</td>
<td>6</td>
<td>11</td>
<td>7</td>
</tr>
<tr>
<td>Black Regular</td>
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<td>2</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>Black BEAR Program</td>
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<td>5</td>
<td>3</td>
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</table>
OFFICE OF CONTINUING MEDICAL EDUCATION

General:
The Office of Continuing Medical Education (CME) at the University of South Alabama makes it possible for medical professionals to receive credit units required to keep their license current. The goal of the CME program is to provide educational activities intended to improve the knowledge, skills, and clinical proficiency of physicians, and to enrich the quality of health care provided for the citizens and surrounding communities of Alabama. The program will offer activities that will entail all medical specialties at the University hospitals and clinics, affiliated hospitals and rural area physicians. Other CME activities may include: didactic lectures, Network for Continuing Medical Education (NCME) teaching videos, grand rounds, patient care reviews, journal clubs and unique activities. In fulfilling our mission, the CME Office provided instruction through our clinical departments to physicians and non-physician participants in 21 ongoing activities accounting for 618 CME credit hours and 11 special or one time activities accounting for 57.75 CME credit hours. With the wide range of activities offered, physicians were educated on the latest developments in technology and scientific advancements of medicine. Taking part in these activities allows physicians to provide enhanced patient care to surrounding areas.

CME Committee Meetings:
The CME Office held three meetings in September and December 2006 and June 2007. A recap of each meeting is provided below:

**September 2006:**
Welcome new CME Committee Members 2006-2007
Welcomed Ms. Daria Stokes, CME Word Processing Specialist
CME Coordinator’s Report re: Special Activities
Update re: Web-based CME
Discussion of updated CME Mission Statement
Reports provided from Risk Management and TeleMedicine

**December 2006:**
Report of Televideo Conference with the ACCME
Presentation of Updated Accreditation Criteria
CME Coordinator’s Report re: Special Activities
CME Coordinator’s Report re: Upcoming Special Activities

**June 2007:**
Presentation of Updated Mission Statement for Approval
CME Coordinator’s Report re: Special Activities
CME Coordinator’s Report re: Upcoming Special Activities
Review of Applications for On-going Activities 2007-2008
Discussed issues re: On-going Activities
Review of Annual Evaluation Summary
CME Accreditation Update
Report re: Updated Accreditation Criteria
Reports provided from Risk Management and TeleMedicine
CME Office and Staff:
In September 2006, the Office of CME welcomed Ms. Darla Stokes as the new Word Processing Specialist for CME. Ms. Stokes replaced Ms. Alma Platt who transferred to another department in the College of Medicine.

In April 2007, the fiscal location of the CME Office moved from the Mastin Building, 601 to the Main Campus, CSAB 251.

CME Reaccreditation:
In January 2006, the CME Office began the process of a self-study required by the ACCME for re-accreditation. In August 2006, four copies of the self-study and copies of fifteen USA CME special programs were mailed to the ACCME for review. Additional information was provided in May 2007, and a four-year accreditation was awarded in July 2007. A progress report regarding one of the requirements will be mailed to the ACCME in July 2008.

Additional CME Materials:
DVD and CD Rom videos, provided by the Network for Continuing Medical Education (NCME), are available at the Medical Center Biomedical Library. The NCME is a service linking medical school and hospitals with the best in medical communications and is accredited by the ACCME to sponsor continuing medical education. A listing of available videos may be found on USA’s CME website: www.southalabama.edu/com/cme.
OFFICE OF GRADUATE MEDICAL EDUCATION

The Office of Graduate Medical Education (GME) is responsible for the oversight of GME activities, policies, and procedures throughout the USA Hospitals and Clinics. During the 2006-2007 academic year, USA sponsored 11 residency programs (Family Medicine, Internal Medicine, Medicine/Pediatrics, Neurology, OB/GYN, Orthopaedic Surgery, Pathology, Pediatrics, Psychiatry, Diagnostic Radiology and Surgery) and five medical subspecialty programs (Cardiovascular, Gastroenterology, Infectious Disease, Pulmonary Disease and Vascular Neurology), comprised of 224 residents and fellows.

Internal reviews were conducted on 3 specialty programs during the 2006-2007 year. There were 6 ACGME/RRC Site visits. The GMEC reviewed 4 progress reports requested by the RRC as well as 2 from the internal reviews conducted. The Sponsoring Institution received “Continued Accreditation” with the next scheduled site visit in October, 2008. All of the residency and fellowship programs have received continued accreditation by the Accreditation Council for Graduate Medical Education (ACGME).

In June, 2007, the Department of Medicine/Pediatrics received their accreditation from the ACGME, effective July 1, 2006. The Department of Neurology received accreditation of a 1 year fellowship in Vascular Neurology, effective July 1, 2007. The ACGME also approved an increase in resident complement from 10 to 15 for the Department of Orthopaedic Surgery.

The GME Committee reviewed and approved one (1) internal resident transfer.

An Ad Hoc Committee, formed by Dr. Samuel Strada, Interim-Dean, College of Medicine, was formed to look into simulation at USA. After research, exploration, visiting other institutions and evaluation of the different modalities the committee reported their findings to the Dean. The funds have been designated for the implementation of a simulation lab at the University of South Alabama.

The GMEC reviewed and approved a new Institutional Alabama Licensure Policy and Dress Code for all residents and fellows. The new ACGME Institutional and Common Program Requirements, effective July 1, 2007, were reviewed and the committee implemented new policies in resident healthcare, vendor interaction and what to do in the event of a disaster.
Recruitment Activities

1. Issues of The Vanguard, as well as other local collegiate newspapers, carried ads highlighting the program during the academic year.
2. Presentations were made to USA’s Premedical Honors Society and Freshman Biomedical Sciences students.
3. Information about the graduate program was distributed at several local high schools and regional science fairs competitions. Graduate Office personnel also participated in JAGFEST, SCRUBS, and regional science conferences, including the eighty-fourth annual meeting of the Alabama Academy of Science, Inc. held in Tuskegee, Alabama. Dr. Balczen and Ms. Flagge also participated in “Alabama Connection,” a statewide graduate recruiting fair with stops in Huntsville, Birmingham, Auburn, and Montgomery in October, 2006. Dr. Balczen traveled to over three dozen regional colleges and universities to meet with colleagues and distribute program information.

Curriculum

1. The Director, together with the BMSSO leadership, held several working lunch sessions on various academic “survival skills”. Additionally, “Academic Skills” seminars were held throughout the 2007 Spring Semester.
2. In Fall, 2006, the Scientific Writing course offered to Post Doctoral and Graduate Students shifted from a “Special Topics” designation to a permanent course in the graduate program curriculum. The course is required for students completing advanced studies in the Lung Biology program and is offered as an elective for graduate students in other departments.
3. In Spring, 2007, an elective “Special Topics” Speaking Class was offered.

New Programs/Policies/Requirements

1. The BMS Student Handbook continues to be updated, as new forms=requirements are approved. IDL students now complete a fall rotation, as well as three spring rotations.
2. “TURNITIN” software, accessed through a University account, is used to certify that Dissertations are original and free from plagiarism violations. Certification (Form 10 must accompany a copy of the Dissertation when submitted for Graduate School review.
3. Graduating students also submit a listing of their dissertation references to the Biomedical Library (Geneva Staggs) for formal review of accuracy in content and form prior to giving their Dissertation to the Graduate School for courtesy review.

BMSSO-Basic Medical Sciences Student Organization

The BMSSO continues to be active both on campus, as well as off. Members sponsored their annual BMSSO T-shirt design/sale to raise a portion of their operating budget for the year. The organization also hosted their annual holiday appreciation luncheon for BMS Graduate Faculty in December, and participated in a number of community and philanthropic activities, including American Heart Association’s Heart Walk and American Cancer Society’s “Relay for Life.
Extramural Support for Graduate Training

1. The NIH Predoctoral Institutional Training Grant on ‘‘Cell Signaling and Lung Pathobiology’’, through The Center for Lung Biology, continues to provide six stipends for predoctoral students. Students receive support from the training grant for a minimum of two years and are required to submit individual proposals for extramural funding.

2. In 2006-2007, two doctoral candidates in the BMS Graduate Program (students who have completed the Qualifying Examination) were supported by individual extramural predoctoral fellowships.

Graduates

Three students completed all requirements for the Ph.D. degree during the academic year (September 2006-August 2007). They are:

**Brian Phillip Adams**
**DISsertATION TITLE:** “A Role for Protein Phosphatases 1 and 2C in the Life Cycle of Toxoplasma Gondii”
**MAJOR PROFESSOR:** Sainemb Barik, Ph.D.
**DEPARTMENT:** Biochemistry and Molecular Biology
**CURRENT POSITION:** Post Doctoral Fellow; Department of Physiology and Functional Genomics, University of Florida, Gainesville

**Judy Ruth Creighton**
**DISSErTATION TITLE:** “Spectrin-Anchored Phosphodiesterase 4D4 Restricts cAMP to Endothelial Membrane Barrier Enhancing Domains”
**MAJOR PROFESSOR:** Troy Stevens, Ph.D.
**DEPARTMENT:** Pharmacology-Lung Biology
**CURRENT POSITION:** Post Doctoral Fellow; Department of Pharmacology, University of California-San Diego

**Patti Lynn Wright Sadosky**
**DISSErTATION TITLE:** “Adaptive Mechanisms for Protection of the Mineralocorticoid Receptor From Activation by Cortisol in a Natural Model of Hypercortisolism, The Squirrel Monkey”
**MAJOR PROFESSOR:** Jonathan G. Scammell, Ph.D.
**DEPARTMENT:** Pharmacology
**CURRENT POSITION:** Assistant Professor, Department of Biology; Macon State College, Georgia
To date, 152 students have received a Ph.D. degree in Basic Medical Sciences. Degrees awarded by Department/Program are as follows:

<table>
<thead>
<tr>
<th>Department/Program</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemistry/Molecular Biology</td>
<td>30</td>
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<tr>
<td>Microbiology/Immunology</td>
<td>36</td>
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<tr>
<td>Pharmacology</td>
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<tr>
<td>Physiology</td>
<td>22</td>
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<tr>
<td>Cell Biology/Neuroscience</td>
<td>26</td>
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Summary of Extramural Support

Funding for the 2006-2007 academic year only includes $15,662,480 and $4,560,425 in awards administered through the Office of Sponsored Programs and the South Alabama Medical Science Foundation, respectively.

Extramural Funds
Totals for Recent Years

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<th>Year</th>
<th>Amount</th>
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<td>1998</td>
<td>18,388,972</td>
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<td>26,935,930</td>
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<td>2005</td>
<td>40,065,869 *</td>
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<td>2006</td>
<td>31,904,662 **</td>
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<td>2007</td>
<td>20,222,905</td>
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*Includes 19.6 million dollar MCI facilities grant
**Includes 12 million dollar MCI facilities grant
# Extramural Funding

**October 1, 2006 – September 30, 2007**

## Biochemistry and Molecular Biology

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<thead>
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<th>Principal Investigator</th>
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<th>Project Title</th>
<th>Fiscal Year Funding</th>
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<tr>
<td>Sailen Barik</td>
<td>NIH 5 RO1 AI05926703</td>
<td>Mechanisms of RNA Virus-Host Interaction</td>
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<td>Richard Honkanen</td>
<td>NIH 5 RO1 CA06075014/14S1</td>
<td>Mechanisms of Tumor Promotion and Carcinogenesis</td>
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**Total** $545,144

## Biomedical Library

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<td>Jie Li</td>
<td>NN/LM</td>
<td>NN/LM Technology/Electronic Information Awareness</td>
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<td>Justin Robertson</td>
<td>NIH NO1 LM63502</td>
<td>Cyberclinic at the 2007 Annual Meeting of the MASA</td>
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**Total** $9,863
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<tr>
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<tr>
<td>Mikhail Alexeyev</td>
<td>NIH 1 PO1 HL06629907</td>
<td>Program Project Grant Gene Delivery Core 3**</td>
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<td></td>
<td>NIH 1R21 RR02396101A1</td>
<td>High Density Mutagenesis of Mitochondrial DNA</td>
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<td>Kai-ming Chou</td>
<td>NIH 1 R01 CA11244601A2</td>
<td>DNA Lesion Bypass Polymerases and Therapeutic Compounds</td>
<td>222,934</td>
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<td>Stuart Critz</td>
<td>AHA 0755178B</td>
<td>Basis of Cardioprotection by A2B Adenosine Receptors at Reperfusion</td>
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<td>Susan LeDoux &amp; Glenn Wilson</td>
<td>NIH 5 RO1 NS04720804</td>
<td>Oxidative Stress in Neurons: Role of Mitochondrial DNA</td>
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<td>NIH 2 RO1 ES00586514</td>
<td>Repair of DNA Damage Induced By Environmental Agents</td>
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<td>Lyudmila Racheck &amp; Lewis Pannell</td>
<td>NIH 1 RO1 DO7380801A2</td>
<td>Protein Alterations in Skeletal Muscle Cells with Improved MTDNA Repair</td>
<td>230,374</td>
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<tr>
<td>Glenn Wilson</td>
<td>Juvenile Diabetes Foundation 12007160</td>
<td>Use of DNA Repair Fusion Proteins Improve ISLET</td>
<td>110,000</td>
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**Center for Lung Biology Program Project**

Total $1,600,230
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<tr>
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<th>AGENCY</th>
<th>PROJECT TITLE</th>
<th>FISCAL YEAR FUNDING</th>
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<tbody>
<tr>
<td>Martha Arrieta &amp; Allen Perkins</td>
<td>Mobile Housing Board 070020</td>
<td>CPT Baseline Evaluation &amp; Need Assessment</td>
<td>$20,199</td>
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<tr>
<td>Martha Arrieta</td>
<td>OMH US2MP020010304</td>
<td>Matching Need to Resources: GIS as a Tool to Enhance the Primary Care Infrastructure Capacity</td>
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<tr>
<td>Errol Crook &amp; Martha Arrieta</td>
<td>NIH NCOMH US2MP0010304</td>
<td>Export Center Collaboration Agreement</td>
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<td>Errol Crook &amp; Martha Arrieta</td>
<td>NIH 1 P20 MD00231401</td>
<td>Broad-Based Research Collaboratives on Minority Health &amp; Health Disparities</td>
<td>1,417,250</td>
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<td>Harvey White</td>
<td>Ford Foundation 754241</td>
<td>Regional Convening – Equitable Development Convening</td>
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# CENTER FOR STRATEGIC HEALTH INNOVATION

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<tr>
<td>Carl Taylor</td>
<td>HRSA C 70119130</td>
<td>Alabama Incident Management System IV</td>
<td>$ 376,288</td>
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<td>HRSA C 70119129</td>
<td>Advanced Regional Response Training Center-Level III (ARRTC III)</td>
<td>634,820</td>
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<td>HRSA C70119182</td>
<td>EMS General Awareness Course (AARTC I)</td>
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# COM ADMINISTRATION

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<tr>
<td>Samuel Strada</td>
<td>SE AHA 0515073B</td>
<td>Advanced Cardiovascular Research for Medical Students</td>
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## COMPARATIVE MEDICINE

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<tbody>
<tr>
<td>Christian Abee</td>
<td>CDC 20030184800005A</td>
<td>Breeding Colony of Squirrel Monkeys-Malaria Study</td>
<td>$ 77,220</td>
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<tr>
<td>Christian Abee &amp; Jonathan Scammell</td>
<td>NIH 5 P40 RR0125427</td>
<td>A Squirrel Monkey Breeding and Research Resource</td>
<td>690,440</td>
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<tr>
<td>Christian Abee &amp; Susan Gibson</td>
<td>Baxter HealthCare Corp</td>
<td>Experimental Creutzfeldt-Jakob Disease in the Squirrel Monkey</td>
<td>66,389</td>
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<tr>
<td>Alan Brady &amp; Jonathan Scammell</td>
<td>NIH 20526/98010395</td>
<td>Squirrel Monkey Breeding and Research Resource</td>
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<td>Alan Brady &amp; Jonathan Scammell</td>
<td>NIH 20523/99011852</td>
<td>Owl Monkey Breeding and Research Resource</td>
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<td>Alan Brady</td>
<td>Merck</td>
<td>Comparative Medicine Private Contracts</td>
<td>40,000</td>
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<tr>
<td>Jonathan Scammell</td>
<td>NIH 5 R24 RR01320009</td>
<td>An Animal Model of Glucocorticoid Resistance</td>
<td>242,261</td>
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<tr>
<td>Michele Schuler</td>
<td>NIH 5 KO1 RR0219710102</td>
<td>Stem Cell Derivation in Two Neotropical Primate Species</td>
<td>121,631</td>
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## COMPREHENSIVE SICKLE CELL CENTER

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<tr>
<th>Principal Investigator</th>
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<th>Fiscal Year Funding</th>
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<tbody>
<tr>
<td>Johnson Haynes</td>
<td>Icagen, Inc.</td>
<td>A Phase III, Multicenter, 52-Week, Randomized, Double-Blind, Placebo-Controlled Study of the Clinical Efficacy and Safety of ICA-17043 with or without Hydroxyurea Therapy in Patients with Sickle Cell Disease Who Have Had Greater or Equal to Two Acute Sickle-Related Painful Crises within the Preceding 12 Months</td>
<td>$ 14,415</td>
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<td></td>
<td>Icagen, Inc.</td>
<td>An Open-Label Extension Study Evaluating the Long-Term Safety of ICA-17043 with or without Hydroxyurea Therapy in Subjects with Sickle Cell Disease</td>
<td>4,209</td>
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<td></td>
<td>NIH</td>
<td>Epidemiology of Priapism</td>
<td>38,633</td>
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<td><strong>$ 56,987</strong></td>
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<tr>
<td>Frank Pettyjohn</td>
<td>Novartis</td>
<td>A Prospective, Multinational, Multicenter, Double-Blind, Randomized, Active-Controlled Trial to Compare the Effects of Lotrel to Benazepril and Hydrochlorothiazide Combined on the Reduction of Cardiovascular Morbidity and Mortality in Patients with High Risk Hypertension</td>
<td>$ 2,805</td>
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<td></td>
<td>Sankyo Pharma, Inc.</td>
<td>A Randomized, Double-Blind, Placebo-Controlled Factorial Study Evaluating the Efficacy and Safety of Co-Administration of Olmesartan Medosomil Plus Amlodipine Compared to Monotherapy in Patients with Mild to Severe Hypertension</td>
<td>13,080</td>
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<td></td>
<td>Boehringer Ingelheim</td>
<td>A Randomized, Double-Blind, Placebo-Controlled, Forced-Titration, Phase IV Study Comparing Telmisartan 80mg + Hydrochlorothiazide 25mg versus VAltsartan 160mg + Hydrochlorothiazide 25mg taken Orally of 8 Weeks in Patients with Stage 1 or Stage 2 Hypertension</td>
<td>5,448</td>
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<tr>
<td>Frank Pettyjohn</td>
<td>Forest Labs</td>
<td>A Study on the Efficacy and Safety of Olmesartan Medoxomil and its Combination with Hydrochlorothiazide Compared with an Ace Inhibitor and its Combination with a Calcium Channel Blocker in Patients with Stage 2 Hypertension</td>
<td>$ 17,690</td>
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<tr>
<td>Novartis</td>
<td></td>
<td>A 6 Week, Multicenter, Randomized, Double-Blind, Parallel-Group Study to Evaluate the Combination of Valsartan/HCTZ Compared to Valsartan Monotherapy as Initial Therapy in Patients with Severe Hypertension</td>
<td>$ 6,167</td>
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<td>Biomarin</td>
<td></td>
<td>A Phase 2 Double-Blind, Placebo-Controlled, Parallel Study of the Effects of 6R-BH4 on Blood Pressure in Subjects With Poorly Controlled Systematic Hypertension</td>
<td>$ 73,338</td>
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<tr>
<td>Novartis</td>
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<td>An 8 Week, Multi-center, Randomized, Double-Blind, Parallel-Group Study to Evaluate the Efficacy and Safety of the Combination of Valsartan/ HCTZ/Amlodipine Compared to Valsartan/HCTZ, Valsartan/Amlodipine, and HCTZ/ Amlodipine in Patients with Moderate to Severe Hypertension</td>
<td>$ 8,760</td>
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<tr>
<td>Frank Pettyjohn</td>
<td>Novartis</td>
<td>A Multi-center, Randomized, Open-Label, Active Controlled, Parallel Arm Study to Compare the Efficacy of 12 Weeks of Treatments with Vildagliptin 100 mg, qd to Thiazolidinedione (TZD) as Add-On Therapy in Patients with Type 2 Diabetes Inadequately Controlled with Metformin Monotherapy in a Community Based Practice Setting</td>
<td>$ 4,337</td>
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<td>AstraZeneca</td>
<td>A Randomized, Double-Blind, Placebo-Controlled, Multicenter, Phase III Study of Rosuvastatin (Crestor) 20mg in the Primary Prevention of Cardiovascular Events Among Subjects with Low Levels of LDL-Cholesterol and Elevated Levels of C-Reactive Protein</td>
<td>4,975</td>
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<td>Daiichi Sankyo</td>
<td>A Double-Blind, Randomized, Placebo-Controlled, Parallel-Group Study to Compare the Safety and Efficacy of an Olmesartan Medoxomil Based Treatment Regimen to Placebo in Patient with Stage I and Stage II Hypertension</td>
<td>30,565</td>
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### EMERGENCY MEDICINE (cont’d)

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<tbody>
<tr>
<td>Frank Pettyjohn</td>
<td>Schering Plough</td>
<td>Early Glycoprotein IIb/IIa Inhibition in Non-ST segment Elevation Acute Coronary Syndrome: a Randomized, Placebo-Controlled Trial Evaluating the Clinical Benefits of Early Front-loaded Eptifibatide in the Treatment of Patients with Non-ST-segment Elevation Acute Coronary Syndrome (EARLY ACS)</td>
<td>$ 11,000</td>
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<tr>
<td></td>
<td>Schering Corp</td>
<td>A Multi-center, Double-Blind, Randomized Study to Establish the Clinical Benefit and Safety of Vytorin vs. Simvastatin MonoTherapy in High-Risk Subjects Presenting with Acute Coronary Syndrome (IMPROVE IT)</td>
<td>$ 2,500</td>
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<td></td>
<td>Encysive Pharma</td>
<td>A Phase 2 Randomized, Double-Blind, Placebo-Controlled Exploratory Efficacy Study of Sitaxsentan Sodium to Improve Impaired Exercise Tolerance in Subjects with Diastolic Heart Failure (FDHF01)</td>
<td>$ 2,319</td>
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**Total** $ 183,084
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<tr>
<td>Carol Motley</td>
<td>HRSA 5 D56 HP052260300</td>
<td>Strengthening Professionalism in Predoctoral Training</td>
<td>$ 109,157</td>
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<td>Allen Perkins</td>
<td>AFPRHB 070095</td>
<td>Student Preceptorship Subsidy</td>
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<td>HRSA 5 D58 HP051740300</td>
<td>Extending the Reach of Family Medicine Training (Residency Training)</td>
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<tbody>
<tr>
<td>Michael Culpepper</td>
<td>Novartis</td>
<td>A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Effects of Aldikiren on Proteinuria When Added to Standardized Losartan Therapy and Optimal Antihypertensive Therapy in Patient with Hypertension and Type 2 Diabetes Mellitus</td>
<td>$ 4,399</td>
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<td></td>
<td>Otsuka Maryland</td>
<td>A Phase 3, Multi-center, Double-Blind, Placebo-Controlled, Parallel-arm Trial to Determine Long-Term Safety and Efficacy of Oral Tolvaptan Tablet Regimens in Adult Subjects with Autosomal Dominant Polycystic Kidney Disease</td>
<td>4,500</td>
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<tr>
<td>Michael Culpepper</td>
<td>Amgen</td>
<td>EVOLVE – Evaluation of Cinacalet HCl Therapy to Lower Cardiovascular Events</td>
<td>$15,375</td>
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<td></td>
<td>Genetech</td>
<td>A Phase III, Open-Label, Study of Tenecteplase for Restoration of Function in Dysfunctional Hemodialysis Catheters</td>
<td>2,500</td>
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<tr>
<td>Brian Fouty</td>
<td>NIH 5 R01 HL07027304</td>
<td>Cell Cylce Regulation of Pulmonary Vascular Remodeling</td>
<td>346,086</td>
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<tr>
<td>Jorge Herrera</td>
<td>Roche Pharmaceuticals</td>
<td>A Randomized, Open-label, Multicenter, Efficacy and Safety Study Examining the Effects of Duration of Treatment and of a High Induction Dose of PEGASYS in Combination with Daily COPEGUS in Patients with Chronic Hepatitis C Who Did Not Respond to Previous Peginterferon alfa-2b/Ribavirin Combination Therapy</td>
<td>3,759</td>
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<td></td>
<td>Schering Plough Research Institute</td>
<td>Comparison of PEG-Intron 1.5 ug/kg/wk Plus REBETOL versus PEG Intron 1 ug/kg/wk plus REBETOL versus PEGASYS 180 ug/kg/wk plus COPEGUS in Previously Untreated Adult Subjects with Chronic Hepatitis C Infected with Genotype 1</td>
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<tr>
<td>Jorge Herrera</td>
<td>Roche</td>
<td>A Randomized, Multi-center, Double-Blinded Phase IV Study Comparing Safety and Efficacy of PEGASYS 180 µg plus Copegus 1000 (&lt;75kg) or 1200mg (&gt;75kg) to the Currently Approved Combination of PEGASYS 180 µg plus Copegus 800 mg in Interferon-naïve Patients with Chronic Hepatitis C Genotype 1 Virus Infection Co-infected With Human Immunodeficiency Virus (HIV-1), #NV18209</td>
<td>$ 32,284</td>
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<tr>
<td>Braintree</td>
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<td>A Study of the Effects of Miralax Laxative in Patients Reporting Gas and Cramping</td>
<td>23,581</td>
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<td>Schering Plough</td>
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<td>A Safety and Efficacy Study of SCH 503034 in Previously Untreated Subjects with Chronic Hepatitis C Infected with Genotype 1</td>
<td>37,681</td>
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<tr>
<td>Timothy Moore</td>
<td>P B Francis 070028</td>
<td>Soluble CD40 Ligand Increases Pulmonary Microvascular Endothelial Permeability</td>
<td>46,000</td>
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<tr>
<td>AHA 0765421B</td>
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<td>Soluble CD40 Ligand Increases Pulmonary Microvascular Endothelial Permeability</td>
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# MEDICAL GENETICS

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<tbody>
<tr>
<td>Barbara Oliver &amp; Wladimir Wertelecki</td>
<td>SAMHSA SC052770127</td>
<td>USA Fetal Alcohol Spectrum Disorder Initiative (ADI)</td>
<td>$ 89,952</td>
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<tr>
<td>Wladimir Wertelecki</td>
<td>ADMH/MR G6932638</td>
<td>Genetics and Mental Health Program</td>
<td>$ 137,268</td>
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# MICROBIOLOGY

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<tbody>
<tr>
<td>Jonathon Audia</td>
<td>NIH 1 R21 AI06429502</td>
<td>Elucidating the Rickettsia Prowazekii Enyz/OMPR Regulon</td>
<td>$ 215,450</td>
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<td>NIH 1R21 AI06921001A2</td>
<td>Identification of Metabolic Virulence Factors in Epidemic Typhus Rickettsia</td>
<td>178,320</td>
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<tr>
<td>Joseph Brewer</td>
<td>NIH 7 R01 GM06197009</td>
<td>Homeostasis of the ER in Differentiating B Cells</td>
<td>244,524</td>
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<td>Joseph Coggin, James Rohrer, &amp; Adel Barsoum</td>
<td>Venture Research</td>
<td>OFA-Specific T-Lymphocyte Mediated Immune</td>
<td>1,761,250</td>
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<td>Robert Lausch</td>
<td>Novartis</td>
<td>Lion’s/USA Eye Research</td>
<td>8,175</td>
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<tr>
<td>Ivan Lopez</td>
<td>Ortho-McNeil</td>
<td>Long-Term, Open-Label Safety Study of Oral Almotriptan Malate 12.5 mg in the Treatment of Migraine in Adolescents</td>
<td>$22,375</td>
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<tr>
<td></td>
<td>Allergan</td>
<td>A Multi-center Study Evaluating the Efficacy and Safety of Botox Purified Neurotoxin Complex as Headache Prophylaxis in Migraine Patients with 15 or More Headache Day per 4-Week Period in a 24-Week, Double-Blind, Randomized, Placebo-Controlled, Parallel Group Phase Followed by a 32-Week Open-Label Extension Phase</td>
<td>116,710</td>
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<td>Johnson &amp; Johnson</td>
<td>A Phase 3 Randomized, Double-Blind, Placebo-Controlled, Fixed Dose-Ranging Study to Assess the Safety, Tolerability, and Efficacy of Topiramate Oral Liquid and Sprinkle Formulations as an Adjunct to Concurrent Anticonvulsant Therapy for Infants (1 to 23 months of age, inclusive) with Refractory Partial-Onset Seizures, with Open-Label Extension</td>
<td>2,122</td>
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<tr>
<td>Paul Maertens</td>
<td>UCB Pharma</td>
<td>A Multi-Center, Open-Label, Long-Term, Follow-up Study of the Safety and Efficacy of Levetiracetam in Children with Partial Onset Seizures</td>
<td>13,162</td>
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<tr>
<td>PRINCIPAL INVESTIGATOR</td>
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<tr>
<td>Richard Zweifler</td>
<td>Boehringer Ingelheim</td>
<td>Pro-FESS-Prevention Regimen for Effectively Avoiding Second Strokes: A Double-Blind, Active and Placebo Controlled Study of Aggrenox Versus Clopidogrel + Aspirin, with and without Micardis</td>
<td>$ 9,499</td>
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<tr>
<td></td>
<td>Novo-Nordisk</td>
<td>Randomized, Double-Blind, Placebo-Controlled, Multi-Center, Parallel Groups Confirmatory Efficacy and Safety Trial of Activated Recombinant Factor VII in Acute Intracerebral Hemorrhage</td>
<td>$ 3,684</td>
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<tr>
<td></td>
<td>Johnson &amp; Johnson</td>
<td>A Prospective, Randomized, Double-Blind, Double-Dummy, Parallel-Group, Multi-center, Event-Driven, Non-Inferiority Study Comparing the Efficacy and Safety of Once-Daily Oral Rivaroxaban of Stroke and Non-Central Nervous System Systematic Embolism in Subjects with Non-valvular Atrial Fibrillation</td>
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<td>NIH 2 U01 NS0404060</td>
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<td>Albumin in Acute Stroke (Alias Trial)</td>
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<td>NIH A0637901S</td>
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<td>Siblings with Ischemic Stroke Study (Swiss)</td>
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<tr>
<td>NIH 5 RO1 NS 04487603</td>
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<td>Insulin Resistance Intervention After Stroke Trial (IRIS)</td>
<td>$ 39,730</td>
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<td>NIH 070190</td>
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<td>Aruba Clinical Trial</td>
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<tr>
<td>Kathleen Porter</td>
<td>ADPH C70119027</td>
<td>FY 2007 Perinatal Coordinator Grant</td>
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<td></td>
<td>Columbia Laboratories</td>
<td>A Phase III, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Assess the Efficacy, Safety, and Tolerability of Prochieve 8% Progesterone Gel in Preventing Preterm Delivery in Pregnant Women at Increased-Risk for Preterm Delivery</td>
<td>17,499</td>
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<td>Columbia Laboratories</td>
<td>A Phase I, Study to Assess the Pre-and Post-Dose Progesterone Level in Pregnant Women Receiving Prochieve 8% Progesterone Gel for the Prevention of Preterm Delivery</td>
<td>3,262</td>
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<tr>
<td>Botros Rizk</td>
<td>Eli Lilly</td>
<td>Teriparatide (rDNA origin) Injection (LY333334)</td>
<td>3,621</td>
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<td></td>
<td>Solvay Pharmaceuticals</td>
<td>A Multicenter, Double-Blind Study to Determine the Efficacy of ESTRATEST H.S. Tablets in Relieving Menopausal Symptoms in Estrogenized Postmenopausal Women</td>
<td>9,738</td>
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<td>Boehringer Ingelheim</td>
<td>A Twenty Four Week, Randomized, Double-Blind, Placebo-Controlled, Safety and Efficacy Trial of Flibanserin 50 mg to 100 mg daily in Women with Hypoactive Sexual Desire Disorder</td>
<td>88,804</td>
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### OBSTETRICS AND GYNECOLOGY (cont’d)

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<tr>
<td>Botros Rizk</td>
<td>Boehringer Ingelheim</td>
<td>A Twelve Month, Open-Label, Safety Trial of Flibanserin 50 mg to 100 mg in Women with Hypoactive Sexual Desire Disorder</td>
<td>$3,500</td>
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<td>Procter &amp; Gamble</td>
<td>A Randomized, Double-Blind, Placebo-Controlled, Multi-center, 52-Week Study to Evaluate the Endometrial Safety of Transdermal Testosterone (300mcg/day) in Naturally Post-Menopausal Women in Hypoactive Sexual Desire Disorder</td>
<td>$3,797</td>
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<tr>
<td>Sudhakar Madanagopal</td>
<td>Homedica Osteonics</td>
<td>Research Projects – (1) Supra-condylar Fracture Fixation – A Biomechanical Comparison Between Two Standard Types of Supracondylar Nail, (2) Evaluation of Intremedullary Nailing of Distal Femoral Fractures with the T2 Supracondylar Nail: A Retrospective Review, and (3) Supracondylar Fracture Fixation-A Biomechanical Comparison Between Locked and Nonlocked Plates</td>
<td>$ 23,000</td>
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<td>Albert Pearsall</td>
<td>Zimmer</td>
<td>A Biomechanical Analysis of Internal Fixation of Type VI Schatzker Tibial Plateau Fractures</td>
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<td>Zimmer</td>
<td>Zimmer Support for Research Fellowship</td>
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<td>Zimmer</td>
<td>Comparison of a Pain Pump Versus Injectable Medication for Analgesia in Knee Arthroscopy–A Randomized Double Blind Controlled Study</td>
<td>5,313</td>
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### Orthopaedic Surgery

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<tr>
<td>Elizabeth Manci</td>
<td>NIH 5 RO1 HL01927831</td>
<td>Beta-3 Integrins in Platelet and Vaso-Occlusive Disorders</td>
<td>$ 14,539</td>
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**Total** $ 14,539

### Pediatrics

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<tr>
<td>Jennifer Cole</td>
<td>American Academy of Pediatrics (Wyeth funded)</td>
<td>Community Access to Child Health (CATCH) Planning Funds Grant</td>
<td>$ 4,948</td>
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<tr>
<td>Karen Crissinger</td>
<td>Wyeth Pharmaceuticals</td>
<td>A Multicenter, Randomized, Double-Blind Study of the Safety, Tolerability, Pharmokinetics and Clinical Outcomes of Multiple Doses of Pantrapozole Sodium Enteric-Coated Spheroids in Children 1 to 4 Years Old with Endoscopically Proven Systematic GERD</td>
<td>$ 8,864</td>
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<td>Wyeth Pharmaceuticals</td>
<td>A Multi-center, Randomized, Double-Blind, Placebo-Controlled, Treatment-withdrawal Study of the Efficacy and Safety of Pantroprazole Sodium Enteric-Coated Granules in Infants (1 through 11 months) with Symptomatic GERD</td>
<td>$ 6,075</td>
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<td></td>
<td>Braintree Laboratories</td>
<td>A Safety and Efficacy Evaluation of HalfLytely Solution and Bisacody Tablets vs NuLytely in the Pediatric Population</td>
<td>$ 7,013</td>
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<tr>
<td>Karen Crissinger</td>
<td>Centocor, Inc.</td>
<td>A Multi-center, Prospective, Long-term, Observational Registry of Pediatric Patients with Inflammatory Bowel Disease</td>
<td>$ 6,500</td>
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<tr>
<td>Mary Mancao</td>
<td>HRSA 2 H12 HA2302707</td>
<td>USA Family Specialty Clinic</td>
<td>322,356</td>
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<td>Kenneth Rettig</td>
<td>ADPH C70119160</td>
<td>Endocrinology Clinic for State Newborn Screening Program</td>
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<td>Lawrence Sindel</td>
<td>ADPH C70119159</td>
<td>Cystic Fibrosis Clinic for State Newborn Screening Program</td>
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<td>Cystic Fibrosis Foundation</td>
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<td>Felicia Wilson</td>
<td>NIH CA9854304</td>
<td>Children’s Oncology Group Chairs Grant</td>
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<td>ADPH C70119161</td>
<td>Comprehensive Sickle Cell Center for State Newborn</td>
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<td>June Ayling</td>
<td>ACHEA/NSF SUB2007132</td>
<td>Alabama EPSCPR Graduate Research Scholars Program</td>
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<td>NSF SUB 20052912</td>
<td>Alabama Structural Biology Consortium</td>
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<tr>
<td>Natalie Bauer</td>
<td>AHA 0765413B</td>
<td>Pulmonary Microvascular Endothelial Response to Acute Hypoxia: Changes in RHOA/RHO Kinase</td>
<td>55,000</td>
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<tr>
<td>Mark Gillespie</td>
<td>NIH 1PO1HL 6629907</td>
<td>Mitochondrial DNA Integrity and Endothelial Cell Free Radical Stress – Project 2**</td>
<td>274,845</td>
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<td>AHA 0615136B2</td>
<td>Chromatin Remodeling and Vascular Endothelial Growth Factor Expression in Hypoxia</td>
<td>19,000</td>
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<td>Mark Gillespie &amp; Glenn Wilson</td>
<td>NIH 5 RO1 HL 07324402</td>
<td>Lung Cell Genomic Threats from Physiological Signals</td>
<td>346,086</td>
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<td>Mark Gillespie &amp; Glenn Wilson</td>
<td>NIH 5 R21 HL 08395302</td>
<td>DNA Modifications in Primary Pulmonary Hypertension</td>
<td>178,118</td>
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<td>Judy King</td>
<td>SE AHA 0655377B02</td>
<td>Lung Endothelial ALCAM as a Determinant for Metastasis</td>
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**Center for Lung Biology Program Project**
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<tr>
<td>Ivan McMurtry</td>
<td>NIH FY07032008</td>
<td>Adaptations to Hypoxia</td>
<td>$ 168,394</td>
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<td>NIH FY07032001</td>
<td>Adaptations to Hypoxia</td>
<td>66,665</td>
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<td>Jack Olson</td>
<td>CMREF</td>
<td>Polyamines and Human Pulmonary Artery Hypertension</td>
<td>185,200</td>
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<td>Thomas Rich</td>
<td>AHA 0715101B</td>
<td>Role of PPS in NPRA Desensitization &amp; Subcellular Distribution of CGMP Signals</td>
<td>19,000</td>
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<td></td>
<td>NIH 5 RO1 HL07427804</td>
<td>Cyclic AMP Signaling in Cardiac Myocytes</td>
<td>243,090</td>
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<td>NIH 5 KO2 HL08146304</td>
<td>Modeling Beta2 Receptor Activity in a Cellular Environment</td>
<td>100,197</td>
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<td>Stephen Schaffer</td>
<td>AHA 0755288B</td>
<td>Mechanism Behind Angiotensin II Mediated Apoptosis</td>
<td>77,000</td>
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<td>Troy Stevens</td>
<td>NIH 1 PO1 HL 6629907</td>
<td>cAMP Endothelial Cell Permeability Permeability-Project 1**</td>
<td>326,583</td>
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<td>NIH 1 PO1 HL 6629907</td>
<td>Program Project Grant Administrative Core 1**</td>
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<td>Program Project Grant Tissue Culture Core 2**</td>
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<tr>
<td>Troy Stevens &amp; Donna Cioffi</td>
<td>NIH 1 F32 HL08612401A1</td>
<td>Molecular Determinants of Lung Endothelial Isoc Activity</td>
<td>$ 46,826</td>
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<td>Troy Stevens</td>
<td>AHA 0715456B01</td>
<td>Activation of Soluble Adenylyl Cyclase Reorganizes Microtubules Sufficient to Disrupt the Endothelial</td>
<td>19,000</td>
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<td>Troy Stevens &amp; Songwei Wu</td>
<td>NIH 5 R01 HL060002410</td>
<td>Store Operated Calcium Entry: Lung Endothelial Permeability</td>
<td>356,236</td>
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<td>Songwei Wu</td>
<td>NIH 1 PO1 HL 6629907</td>
<td>Type-T Calcium Channels and Von Willebrand Factor Release Project 3**</td>
<td>254,144</td>
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<td>Bing Zhu</td>
<td>SE AHA 0665169B02</td>
<td>Cyclic GMP Phosphodiesterase 5 in Control of Apoptosis &amp; Growth Inhibition in Lung Endothelium</td>
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**Center for Lung Biology Program Project

Total $ 3,380,540
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<tr>
<td>Stephen Ballard</td>
<td>NIH 5 ROI HL06330207</td>
<td>Airway Submucosal Glands and Cystic Fibrosis Disease</td>
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<td>Cystic Fibrosis Foundation</td>
<td>Search for CFTR Mutations in Dogs</td>
<td>97,200</td>
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<td>Michael Cohen</td>
<td>Otsuka Maryland Medicinal Lab</td>
<td>Evaluation of Bio-Efficacy of Murine OM2 Fab in Cardiac Ischemia Reperfusion Injury Model in Cynomolgus Monkeys Using Open Chest Method (0715003)</td>
<td>252,000</td>
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<tr>
<td>James Downey</td>
<td>Bayer Healthcare</td>
<td>Inhibition of Ischemic Injury by Activation of Soluble Guanylate Cyclase by BAY 58-2667</td>
<td>12,250</td>
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<td>Bayer Healthcare</td>
<td>Inhibition of Ischemic Injury by A2b BAY 60-6583 in a Rabbit Infarct Model Administered as a Short Infusion After Occlusion</td>
<td>22,500</td>
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<td>KAI Pharma</td>
<td>Evaluation of a PKC Epsilon Activating Peptide in an Experimental Myocardial Infarction in the Rabbit</td>
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<td>Thomas Lincoln</td>
<td>NIH 5 RO1 HL05342611</td>
<td>Control of Vascular Smooth Muscle Cell Phenotype by CGMP</td>
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<td>cGMP-Dependent Protein Kinase (PKG) Expression</td>
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<td>Mark Taylor</td>
<td>NATL AHA 0435051N02</td>
<td>Coronary Artery Regulation by Small – Conductance Ca²⁺-Activated K⁺(SK3) Channels</td>
<td>65,000</td>
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<td>NIH 1 RO1 HL08588701A1</td>
<td>Coronary Artery Regulation by Small – Conductance Ca²⁺-Activated K⁺ Channels</td>
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<td>Mary Townsley</td>
<td>NIH 5 T32 HL 07612504</td>
<td>Training in Cell Signaling and Lung Pathobiology</td>
<td>181,223</td>
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<td>&amp; Troy Stevens</td>
<td>NIH 2 PO1 HL06629906</td>
<td>TRPV4 in Regulation of Lung Endothelial Permeability Project 4**</td>
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<td>Jian Yang</td>
<td>AHA 0635341N02</td>
<td>The Roles of AMPK in Lipid Metabolism in Living Animals</td>
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<td>AFAR</td>
<td>A Novel Genetic Mouse Model of Chronic Activation of AMP-Activated Protein Kinases (AMPK) in Liver</td>
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**Center for Lung Biology Program Project**
**Total** $ 2,092,493
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<td>C. Neal Ellis</td>
<td>Cumberland Pharma</td>
<td>A Multi-center, Randomized, Placebo-Controlled Study of the Efficacy and Safety of IV1b for the Management of Post-Operative Plan</td>
<td>$ 7,883</td>
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<td>Ethicon EndoSurgery</td>
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<td>A Multi-center Study to Assess the Outcomes of Stapled Trans-Anal Resection (S.T.A.R.R.) in the Treatment of Obstructed Defecation Syndrome (ODS)</td>
<td>9,969</td>
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<td>Merck</td>
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<td>The Incidence of Surgical Site Infection and Anastomotic Leakage Using Prophylactic Ertapenem Sodium for Elective Colorectal Resections Without Mechanical or Antibiotic Bowel Preparation</td>
<td>12,500</td>
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<td>Wyeth Research</td>
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<td>A Multi-center, Open-Label, Randomized Comparative Study of Tigecycline vs. Ceftriaxone Sodium plus Metronidazole for the Treatment of Hospitalized Patients with Complicated Intra-Abdominal Infection</td>
<td>8,319</td>
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<td>Richard Gonzalez</td>
<td>Artisan Pharma</td>
<td>A Randomized, Double-Blind, Placebo-Controlled Phase-2b Study to Assess the Safety and Efficacy Effects of ART-123 on Subjects with Sepsis and Disseminated Intravascular Coagulation</td>
<td>$ 5,500</td>
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<td>ADECA 070287</td>
<td>Expansion of Global Positioning Satellite Navigation Project with Emergency Medical Services</td>
<td>25,000</td>
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<td>Moustafa Hassan</td>
<td>Johnson &amp; Johnson</td>
<td>A Randomized, Double-Blind, Placebo-Controlled Study to Determine the Efficacy and Safety of Epoetin Alfa in Critically Ill Subjects</td>
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<td>Cadence</td>
<td>A Phase 3, Multi-center, Randomized, Evaluation Committee-Blinded Study to Assess the Efficacy of Topical Administration of Omignan 1.0% Gel in Preventing Local Catheter Site Infections and Catheter Colonization in Patients Undergoing Central Venous Catheterization</td>
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<tr>
<td>Arnold Luterman</td>
<td>Baxter Healthcare</td>
<td>A Study to Evaluate the Safety and Efficacy of Fibrin Sealant with 4IU/ML Thrombin Vapor Heated, Solvent/Detergent Treated (FS 4IU VH S/D) to Adhere Tissues and Improve Wound Healing</td>
<td>$ 6,188</td>
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<td>Velma Scantlebury</td>
<td>Fujisawa</td>
<td>A Phase III, Randomized, Open-Label, Comparative, Multi-center study to Assess the Safety and Efficacy of Prograf/MMF, Modified Release (MR) Tacrolimus/MMF and Neoral/MMF in de novo Kidney Transplant Recipients</td>
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<td><strong>Total</strong></td>
<td><strong>$ 99,881</strong></td>
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