SUMMARY OF SCHOLARLY ACTIVITIES

of

THE FACULTY OF THE COLLEGE OF MEDICINE
UNIVERSITY OF SOUTH ALABAMA
ACADEMIC YEAR 1979-1980
A College of Medicine has many missions. To teach the existing body of knowledge and to play a significant role in expanding that knowledge through research are major responsibilities. Basic research is an integral function of a quality university. We also have the responsibility of conducting clinical research.

Research is a good investment. It is an investment requiring both State and Federal dollars. These funds and this trust require accountability. It is not an unreasonable demand.

It is my hope that this document can be used by our faculty to become better aware of the interest and activity within other departments. We need to continue to build bridges between each other and to encourage meaningful cooperative programs.

Stanley E. Crawford, M.D.
Dean, College of Medicine
I. Articles published in books and journals
   
   A. Full length published articles


B. Articles in press


M. Fukunaga and K.L. Yielding. Induction of petite mutants in an ethidium resistant strain of Saccharomyces cerevisiae by photoaffinity labeling: distinction between early and late steps. Mutat. Res. (in press)


C. Articles submitted for publication


E. McGinnis, A. Sarrif and K.L. Yielding. Dependence of nucleoid structure on proliferative activity of C3H/10T 1/2 Cl8 mouse embryonic fibroblasts. Cancer Res. (submitted)


II. Abstracts published


IV. Presentations


O.M. Sokol. The tadpole tail, new vertebrate organ. Gulf Coast Research Laboratory, Ocean Springs, Mississippi (1980)


1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF BIOCHEMISTRY

I. Articles published in books and journals

A. Full length published articles


Lloyd Kozloff and C.M. Baugh. Structural role of the polyglutamate portion of the folate found in T4D bacteriophage baseplate. J. Virol. 32:497 (1979)


B. Articles in press


C. Articles submitted for publication

Ajit S. Bhown, J. Claude Bennett, Paul H. Morgan and John E. Mole. Use of fluorescamine as an effective blocking agent to reduce the background in protein sequence analysis by the Beckman automated sequencer. Anal. Biochem. (submitted)


J. Gaubatz and G. Paddock. Displacement synthesis of complementary DNA. Science (submitted)


G. Paddock and J. Gaubatz. Construction of recombinant cDNAs via a ribosubstituted hairpin. Nucleic Acids Res. (submitted)

G. Paddock and J. Gaubatz. Nucleotide sequences contained in a duck alpha globin recombinant cDNA. Nucleic Acids Res. (submitted)

II. Abstracts published


III. Books published

IV. Presentations

C.M. Baugh. A review of folylpolyglutamates, chemistry and biochemistry. Department of Biochemistry, University of Mississippi, Jackson (1979)


H.P. Jones. Calcium and calmodulin. Department of Chemistry, Southwestern at Memphis (1979)

H.P. Jones. Calcium and calmodulin. Department of Pathology, University of Tennessee Health Sciences Center, Memphis (1979)


R.S. Lane. Active-site-directed alkylators of histidine decarboxylase. Alabama Academy of Science, Birmingham (1980)


R.H. Huang. The rotational motion of Na,K ATPase in intact membrane studied by saturation transfer spectroscopy. NINCDS, National Institutes of Health, Bethesda, Maryland (1980)


J.M. McCord. Role of superoxide in the inflammatory process. Department of Pathology, University of Tennessee, Memphis (1979)


J.M. McCord. A superoxide-dependent chemotactic factor. Department of Biochemistry, Southwestern School of Medicine, University of Texas at Dallas (1979)


1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
ENVIRONMENTAL CONTROL

I. Articles published in books and journals

A. Full length published articles


B. Articles in press


IV. Presentations


II. Abstracts published


IV. Presentations


H.C. Mullins. Utilizing family systems theory in family practice. Family Practice Residency Program Workshop, Huntsville, Alabama (1979)


H.C. Mullins. Utilizing genograms and family systems theory, Department of Family Practice Workshop, University of Mississippi, Jackson (1980)


H.C. Mullins. Using family systems theory in family practice. Department of Family Practice Residency Program Workshop, University of Oklahoma College of Medicine, Oklahoma City (1980)

H.C. Mullins. What family physicians are supposed to be about. Alabama Academy of Family Physicians, Callaway Gardens, Georgia (1980)


1979-1980

SUMMARY OF SCHOLARLY ACTIVITIES

DEPARTMENT OF INTERNAL MEDICINE

I. Articles published in books and journals

A. Full length published articles


J.G. Hardin and K.A. Kirk. Comparative effectiveness of five analgesics from the pain of rheumatoid synovitis. J. Rheumatol. 6:405-412 (1979)


L.F. Parmley and P.N. Symbas. Trauma and the heart. The Heart 87:1683-1693 (1979)


J.D. Sapira. Why is medical school difficult? Or, if it isn't difficult, why it should be. Southern Med. J. 72:1453-1455 (1979)


J.D. Sapira and D.L. Williamson. How big is the normal liver? Arch. Int. Med. 139_971-973 (1979)


B. Articles in press


J.D. Sapira. Rules and guidelines for housestaff involved in general medical rounds with those attending physicians whose own training predated the present era of educational consumerism. Forum on Medicine (in press)

J.D. Sapira, Quincke de Musset, Durozeiz and Hill. Some aortic regurgitations. Southern Med. J. (in press)

INTERNAL MEDICINE
Articles in press


J.D. Sapira. ...And how big is the spleen? Southern Med. J. (in press)


C. Articles submitted for publication


II. Abstracts published


IV. Presentations


J.B. Bass. Pharmacology in asthma. Pensacola Educational Program Grand Rounds, Pensacola, Florida (1979)


R.A. Kreisberg. Visiting Professor of Medicine, University of California, Los Angeles (1980)

R.A. Kreisberg. Visiting Professor of Medicine, University of California, San Diego. (1980)
R.A. Kreisberg. Consultant and Visiting Professor of Medicine, Department of Internal Medicine, San Bernadino, California (1980)

J.D. Sapira. Management of psychoactive drug overdose. Brooke Army Medical Center, San Antonio (1979)


J.D. Sapira. The internist's approach to depression. Medical College of Georgia, Augusta (1980)


1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF MEDICAL GENETICS

I. Articles published in books and journals

A. Full length published articles


B. Articles in press


C. Articles submitted for publication


W. Wertelecki, Chrysso Plato and Chris C. Plato. Absent d trinadious and dotting of the ridges in siblings. Human Hered. (submitted)

II. Abstracts published


III. Books published

1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF MICROBIOLOGY/IMMUNOLOGY

I. Articles published in books and journals

A. Full length published articles


B. Articles in press


C. Articles submitted for publication


J.E. Oakes and R.N. Lausch. Neutralization and complement activation by virus specific antibody are not involved in antibody-mediated recovery from herpes simplex virus infection. J. Immunol. (submitted)


II. Abstracts published


IV. Presentations


R.N. Lausch. Natural cytotoxicity by hamster lymphoid cells for virus-infected and transformed cells. Symposium on Hamster Immune Responsiveness and Experimental Models of Infections and Oncologic Diseases, University of Texas Health Science Center, Dallas (1980)


J.W. Rohrer. Two T cell populations must interact to effect idioyp-specific suppression of IgA315 secretion by MOPC-315 cells. Southeastern Regional Immunology Conference, Mobile, Alabama (1980)

H.H. Winkler. Seminar, University of Virginia School of Medicine (1979)
1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF NEUROLOGICAL SURGERY

I. Articles published in books and journals
   A. Full length articles
   C. Articles submitted for publication

II. Abstracts published

IV. Presentations
   D.F. Dean. Clotted vein of Galen aneurysm and spinal cord AVMs. Visiting Professor, University of Mississippi, Jackson (1980)


1979-1980

SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF NEUROLOGY

I. Articles published in books and journals

A. Full length articles published


B. Articles in press


IV. Presentations


1979-1980

SUMMARY OF SCHOLARLY ACTIVITIES

DEPARTMENT OF OBSTETRICS/GYNECOLOGY

I. Articles published in books and journals

A. Full length published articles


B. Articles in press


C. Articles submitted for publication


II. Abstracts published


IV. Presentations

Sezer Aksel. Clinical problems with amenorrhea. Department of Pediatrics, Pensacola Educational Program (1979)


Sezer Aksel. Chairman, Endocrinology Course, X World Congress of Fertility and Sterility, Madrid, Spain (1980)


Hiram W. Mendenhall. Consultant, Department of Obstetrics and Gynecology, Keesler AFB, Mississippi (1979)


Hiram W. Mendenhall. Participant, Endocrinology Course. X World Congress of Fertility and Sterility, Madrid, Spain (1980)
1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF ORTHOPEDICS

I. Articles published in books and journals

A. Full length published articles


IV. Presentations


I. Articles published in books and journals

A. Full length published articles


C. Articles submitted for publication

II. Abstracts published


IV. Presentations


1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF PEDIATRICS

I. Articles published in books and journals

A. Full length published articles


B. Articles in press


C. Articles submitted for publication

A. Askar, B.S. Baliga and R.D.A. Peterson. Gene expression of erytorhbyte receptor in a malignant human lymphocyte line induced by thymosin fraction V. Nature (submitted)


M.S. Rosenbaum and T. Ayllon. Treating bruxism with the habit-reversal technique. Behav. Res. Therap. (submitted)

M.S. Rosenbaum and T. Ayllon. The habit-reversal technique in treating trichotillomania. Behav. Therap. (submitted)


II. Abstracts published


III. Books published


IV. Presentations

B.S. Baliga. The role of single nutrients in immunocompetence. Working Conference, Atlanta (1979)


1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF PHARMACOLOGY

I. Articles published in books and journals
   A. Full length articles published


B. Articles in press


Michael Goodlett, Kyran Dowling, Lynne J. Eddy and James M. Downey. The direct metabolic effects of isoproterenol and propranolol in ischemic myocardium of the dog. Amer. J. Physiol (in press)


G.L. Longenecker. Effects of prostaglandins F₂α on submaximal ADP-induced aggregation of canine platelets. Thrombosis Res. (in press)


G.L. Longenecker and H.E. Longenecker, Jr. C. sculpturatus venom and platelet reactivity: possible role in scorpion venom-induced defibrination syndrome. Toxicon. (in press)

S.J. Mustafa. Cellular and molecular mechanism(s) of coronary flow regulation by adenosine. Invited review article, Molecular and Cellular Biochemistry (in press)


II. Abstracts published


Thomas M. Glenn, Lynne Eddy and Stanley Greenberg. Inhibition of porcine pulmonary vascular neurotransmission by endothelial stripping and superior mesenteric arterial occlusion (SMAO) shock. The Physiologist 22:45 (1979)


IV. Books published


V. Presentations

Lynne J. Eddy. Effect of propranolol on high energy phosphate turnover in ischemic myocardium. American Physiological Society, St. Louis (1979)

Lynne J. Eddy. Invited lecturer, Departments of Physiology and Anatomy, University of California, Berkeley (1980)

Thomas M. Glenn. Shock Symposium, Baptist Memorial Hospital, Memphis, Tennessee (1980)

Thomas M. Glenn. Invited lecturer, Departments of Pharmacology and Medicine, Medical College of Ohio, Toledo (1980)

Thomas M. Glenn. Invited lecturer, Department of Physiology, Jefferson Medical College, Philadelphia (1980)

Thomas M. Glenn. Participant, Symposium on Pathophysiology of Shock Lung, Heidelberg, West Germany (1979)


Stanley Greenberg. Lecturer, Department of Pharmacology, Farleigh Dickinson College of Dentistry, Hackensack, New Jersey (1980)

Stanley Greenberg. Participant, Workshop on the Role of the Vasculature in Hypertension, Boston (1979)

S. Jamal Mustafa. Participant, American Society of Pharmacology and Experimental Therapeutics, Portland, Oregon (1979)


Gene C. Palmer. Invited lecturer, Austin Peay University, Clarksville, Tennessee (1979)


James W. Ward. Participant, Mississippi Academy of Sciences, Jackson, Mississippi (1980)
1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF PHYSIOLOGY

I. Articles published in books and journals

A. Full length published articles


J.M. Downey. Sample the 6100. Kilibaud, pp. 54-61 (1979)


A.E. Taylor. Dr. Mayerson, the scientist. The Physiologist, (1980)


B. Articles in press


C. Articles submitted for publication

J.S. Buchwald, C. Huang and K.A. Brown. Middle and long latency auditory evoked potentials recorded from the vertex of acute and chronic lesioned cats. Brain Res. (submitted)


D.N. Granger, N.A. Mortillaro, P.R. Kvietyts and A.E. Taylor. Lumen pressure: effect on intestinal transcapillary fluid exchange and hemodynamics. Lymphology (submitted)


D. Mailman, P.R. Kvietyts, P.D.I. Richardson and D.N. Granger. Intrinsic regulation of functional blood flow and water absorption in canine colon. J. Physiol. (submitted)


II. Abstracts published


P.R. Kviety, D.N. Granger, N.A. Mortillaro and A.E. Taylor. Effect of atropine on fatty acid induced changes in jejunal blood flow, oxygen consumption and water transport. The Physiologist 22:74 (1979)


III. Books Published

J.M. Downey and S.F. Rogers. Interfacing the PET Computer. (300 pages), Howard Sam’s, Inc., Indianapolis (1980)
1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF PSYCHIATRY

I. Articles published in books and journals
   A. Full length published articles
      Toward 2000, H.F. Mahan (ed), South Alabama Reviews, Mobile
      (1980)

   B. Articles in press
      M. Cepeda. Neuropharmacological management of childhood
      behavior disorders. In: Neuropharmacology of Central and
      Behavior Disorders, Gene C. Palmer (ed), Academic Press,
      New York (in press)

   C. Articles submitted for publication
      M. Cepeda. Helping bereaved parents talk with children.
      Southern Medical Journal (submitted)

      M. Cepeda and M. Kehoe. Child psychiatry teaching for

      M. Kehoe, W. Sturtevant and C.R. Hicks. A validation of a
      computer administered MMPI. Am. J. Psych. (submitted)

      W. Sturtevant and M. Kehoe. A polysomniographic evaluation
      of behavioral treatment of insomnia. Walking Sleep (submitted)

II. Abstracts published
   A. Fontana, E. McFadden, M. Cepeda and C.R. Hicks. Mental status
      examination: a clinical study of diagnostic significance. Ala.
      J. Med. Sci. 16:40 (1979)

   E. McFadden, A. Fontana, C.R. Hicks and M. Cepeda. Key items for
      rapid psychiatric screening found on the mental status examination.
1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF RADIOLOGY

I. Articles published in books and journals

A. Full length published articles


RADIOLOGY
Articles published


B. Articles in press


C. Articles submitted for publication


C. Scarantino, P. Rubin and R. Yerden. Adaptation of Robinson technique for culturing rabbit hemopoietic stem cells (CFUc): similarities to human bone marrow requirements for growth. Cancer (submitted)


C. Scarantino, P. Rubin and R. Yerden. CFUc content of regenerating rabbit bone marrow after half-body irradiation. Cancer (submitted)


II. Abstracts published


IV. Presentations


Byron G. Brogdon. Complications of respiratory assistance in the newborn. Tripler Army Medical Center, Honolulu (1980)

Byron G. Brogdon. Forensic radiology, Triplet Army Medical Center, Honolulu (1980)
Byron G. Brogdon. Histiocytosis X. Tripler Army Medical Center, Honolulu (1980)

Byron G. Brogdon. Destruction lesions of the bone - part I. Tripler Army Medical Center, Honolulu (1980)

Byron G. Brogdon. Destruction lesions of the bone - part II. Tripler Army Medical Center, Honolulu (1980)

Byron G. Brogdon. Soft tissue calcifications in the extremities as a reflection of systemic disease. Tripler Army Medical Center, Honolulu (1980)

Byron G. Brogdon. The radiological evaluation of low back pain. Tripler Army Medical Center, Honolulu (1980)


Byron G. Brogdon. Soft tissue calcifications in the extremities as a reflection of systemic disease. Long Beach Memorial Medical Center, Long Beach, California (1980)


Donald Herbert. An extreme value theory of the 'volume effect' in clinical radiation oncology. Tissue fracture...Radiological Society of North America, Atlanta (1979)


Donald Herbert. How firm a foundation...? A second look at some observations on the radiation sensitizer Ro07-0582. Committee on Radiation Oncology Studies Conference, Key Biscayne, Florida (1979)


T.B. Jones. Volumetric determinations from B-mode ultrasonography. American Institute of Ultrasound in Medicine, Montreal, Quebec (1979)


T.B. Jones. Focus on ultrasound. Unirad Corporation, Fort Lauderdale, Florida (1979)


T.B. Jones. The role of the residency review committee in radiology. American Association of Academic Chief Residents in Radiology, Tucson (1980)


J.T. Littleton. Pluri-directional tomography of the chest. Medical College of Wisconsin, Milwaukee (1979)

J.T. Littleton. Refersher course on tomography for the Radiological Society of North America, Atlanta (1979)


Arvin E. Robinson. Bronchography in children. Visiting Professor lecture, University of Texas Health Sciences Center, Houston (1979)

Arvin E. Robinson. Pediatric gastrointestinal distress. Visiting Professor lecture, University of Texas, Houston (1979)


Charles W. Scarantino. The optimum radiation schedule in superior vena caval obstruction: importance of 99mTc scintilangiograms. American Society of Therapeutic Radiologists, Los Angeles (1979)


1979-1980
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF SURGERY

I. Articles published in books and journals

vascular Diagnostic Lab, R.F. Kempczinski and J. Yao (eds),
Yearbook Publishers (1980)

IV. Presentations

S.T. String. Renal artery injury associated with blunt abdominal

S.T. String. Renal artery injury associated with blunt abdominal