DEPARTMENT ROSTER

a. **Academic Staff**

Gilbert S. Greenwald, Ph.D., *Distinguished Professor and Chairman*

Paul D. Cheney, Ph.D., *Professor (Director of Ralph L. Smith Center for Mental Retardation)*

Richard L. Clancy, Ph.D., *Professor*

Sudhansu K. Dey, Ph.D., *Professor (Joint appt. Ob-Gyn)*

Hugo L. Fernandez, Ph.D., *Professor (Director, Neurosciences Research Lab., Kansas City VA Hosp.)*

Kenneth L. Goetz, M.D., Ph.D., *Adjunct Professor*

Norberto C. Gonzalez, M.D., *Professor*

Thomas J. Imig, Ph.D., *Professor*

Donald C. Johnson, Ph.D., *Professor (Joint appt., Ob-Gyn)*

Theodore Lawwill, M.D., *Adjunct Professor (Chairman, Dept. of Ophthalmology)*

Fred E. Samson, Ph.D., *Professor Emeritus*

Travis Solomon, M.D., Ph.D., *Professor of Physiology and Medicine (Associate Chief of Staff, Kansas City VA Hospital)*

Lawrence P. Sullivan, Ph.D., *Professor*

Merrill Tarr, Ph.D., *Professor*

Paul F. Terranova, Ph.D., *Professor*

John W. Trank, Ph.D., *Professor*

James L. Voogt, Ph.D., *Professor*

Daniel J. Welling, Ph.D., *Research Professor (Kansas City VA Hospital)*

Larry Welling, M.D., Ph.D., *Professor of Physiology and Pathology (Kansas City VA Hospital)*

Peter G. Smith, Ph.D., *Associate Professor*

Michael J. Soares, Ph.D., *Associate Professor*

Joseph S. Tash, Ph.D., *Associate Professor*

Dennis P. Valenzeno, Ph.D., *Associate Professor*

Steven M. LeVine, Ph.D., *Assistant Professor*

Geracimo Bracho, Ph.D., *Research Assistant Professor*

Cheryl Cahill, Ph.D., *Adjunct Assistant Professor (Joint appt. School of Nursing)*

Ming Chen, Ph.D., *Research Assistant Professor (Kansas City VA Hospital)*

Santanu Deb, Ph.D., *Research Assistant Professor*
Cheryl Hodges-Savola, Ph.D., Research Assistant Professor
Deborah Kipp, Ph.D., Adjunct Assistant Professor (Joint appt. Dietetics & Nutrition)
Klaus Mewes, Ph.D., Research Assistant Professor
Maria Sancho-Tello, M.D., Ph.D., Research Assistant Professor
Girish Shah, Ph.D. Adjunct Associate Professor (Joint appt., Urology)
John G. Wood, Ph.D., Research Assistant Professor (Joint Appt., Surgery)

b. Postdoctoral Fellows
   Lydia Arbogast, Ph.D.
   Edgar Arriaga, Ph.D.
   Pascal Barone, Ph.D.
   Sanat Chatterjee, Ph.D.
   Janine Clarey, Ph.D.
   Linda Crane, Ph.D.
   Sanjoy K. Das, Ph.D.
   Kazuyoshi Hashizume, Ph.D.
   Suman Kapur, Ph.D.
   Mitsuo Kawashima, Ph.D.
   Alok Ranjan Kole, Ph.D.
   Jennifer Marcinkiewicz, Ph.D.
   B. C. Paria, Ph.D.
   Katherine Roby, Ph.D.
   Hiroshi Tomogane, Ph.D.
   Hiroko Tsukamura, Ph.D.
   Xeufeng Wang, M.D.
   Toshiya Yamamoto, Ph.D.
   Yan Zong Zhe, M.D.
c. **Graduate Students** | **Prelims** | **Candidate for** | **Degree Requirements Fulfilled**
--- | --- | --- | ---
Toni Clinton | 9/91 | Ph.D. | 
Sandra Elliott | 9/89 | Ph.D. | 
Teresa Faria | 12/89 | Ph.D. | 8/92
Rebecca Flietstra |  | Ph.D. | 
Gary Hamlin |  | Ph.D. | 
Jean Hiebert | 8/91 | Ph.D. | 
Karen Kover |  | Ph.D. | 
Xing-Jian Lu |  | Ph.D. | 
Joanne Mathiasen | 7/90 | Ph.D. | 6/92
Brian McKiernan |  | Ph.D. | 
Christine Rasmussen |  | Ph.D. | 
Cathleen Sagrillo | 1/89 | Ph.D. | 4/92
Frank Samson | 7/88 | Ph.D. | 
Xiao-ning Wang | 11/90 | Ph.D. | 
Robert Whitman | 3/88 | Ph.D. | 
Rob Zachow |  | Ph.D. |
NOTES CONCERNING GRADUATE STUDENTS:

Toni Clinton gave a slide presentation in July at the SSR meeting in Vancouver entitled "Human Granulosa Lutein Cells Exhibit Lipopolysaccharide Receptors and Secrete Tumor Necrosis Factor Alpha". She also gave the same slide presentation at the Student Research Forum in March and at the Midwest Reproductive Colloquium in April. Toni also attended the American Fertility Society Meeting held in Orlando in October.

Jean Hiebert lectured on voluntary movement and reflexes in the 398 Neurophysiology course Fall semester 1991.

Karen Kover lectured on somatic sensory systems in the 398 Neurophysiology course Fall semester 1991.

Joanne Mathiasen attended the Neuroscience meeting held in New Orleans in November, 1991. In the 1991 Fall semester she lectured on Oculomotor and Vestibular Systems and the Hypothalamus, Development and Aging of the Brain in the Neurophysiology 398 course. In December Joanne gave a departmental seminar entitled "Dopaminergic and Serotonergic Control of Prolactin Release". She co-chaired the 1992 Student Research Forum and also gave a slide presentation entitled "Mechanism of Mid-pregnancy Loss of Serotonin-stimulated Prolactin Release: Lack of Serotonergic Inhibition of Tyrosine Hydroxylase". Joanne co-authored a paper with Dr. Voogt entitled "Differential Regulation of the Nocturnal and Diurnal Prolactin Surges in Pregnant Rats Revealed by Dopamine Receptor Antagonism", Neuroendocrinology, 1992, in press and also co-authored a paper with Drs. Voogt and Arbogast entitled: "Central Administration of Serotonin Decreases Tyrosine Hydroxylase Catalytic Activity and mRNA Signal Levels in Hypothalamus of Female Rats", J. of Neuroendocrinology, 1992, in press and also co-authored a paper with Drs. Voogt and Tomogane entitled: "Serotonin-induced Decrease in Hypothalamic Tyrosine Hydroxylase Activity and Corresponding Increase in Prolactin Release are Abolished at Mid-Pregnancy and by Transplants of Rat Choriocarcinoma Cells", Endocrinology, 1992, in press. Joanne successfully defended her dissertation work on June 5, 1992 and is currently enjoying postdoctoral research on cellular and molecular aspects of vasopressin and oxytocin secretion from hypothalamic neuronal cultures and hypothalamic-hypophysial explants in Dr. Celia D. Sladek's lab at the Chicago Medical School.
Frank Samson attended the 21st Annual Meeting of the Society for Neuroscience held in New Orleans, Louisiana, November 10-15, 1991 and presented a poster as first author entitled "Elevation Sensitivity of Azimuth Sensitive Neurons in Cat Primary Auditory Cortex (AI). He also participated as a co-author in the presentation of another poster entitled: "Effect of Bandwidth on Neurons' Azimuth Tuning in Cat Medial Geniculate Body (MGB) and Primary Auditory Cortex (AI).

Xiaoning Wang received a travel scholarship from the KU Graduate School to attend the Serono Symposia in "Molecular Basis of Reproductive Endocrinology" and the 24th Annual Society for the Study of Reproduction meeting held in Vancouver, Canada in July 1991 and presented a poster at the SSR meeting entitled "Effects of FSH and LH on Ovarian Follicular Development in the Hypophysectomized Mouse".

Rob Zachow lectured on electrophysiology in the 398 Neurophysiology course Fall semester 1991. In March 1992 he gave a Student Research Forum presentation entitled: "Tumor Necrosis Factor-Alpha Induces Clustering in Ovarian Theca-Interstitial Cells While Inhibiting Luteinizing Hormone Stimulated Androstenedione Production". In April he gave a similar presentation to the Midwest Reproductive Colloquium held at the Women's Research Institute in Wichita, Kansas. In April he also gave a seminar to the Reproductive Developmental Biology group entitled: "Tumor Necrosis Factor-Alpha and Ovarian Theca-Interstitial Cells". Rob was also first author of a paper submitted to Endocrinology entitled: "Tumor Necrosis Factor-Alpha Induces Clustering of Ovarian Theca Interstitial Cells".
COURSES TAUGHT


<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Institution</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/6/91</td>
<td>Maria Teresa Nolasco de Faria</td>
<td>Department of Physiology, KUMC</td>
<td>Trophoblast Cell Differentiation: Expression and Regulation of the Placental Prolactin Gene Family</td>
</tr>
<tr>
<td>8/7/91</td>
<td>Carmen Lavilla-Apelo, D.V.M.</td>
<td>Department of Animal Reproduction, Hokkaido University, Sapporo, Japan</td>
<td>Pathogens Associated with Mammalian Embryo</td>
</tr>
<tr>
<td>9/9/91</td>
<td>Paul Cheney, Ph.D.</td>
<td>Dept. of Physiology &amp; Smith Mental Retardation Research Center, KUMC</td>
<td>Neurons, Muscles and Movement: Connections, Correlations and Causality</td>
</tr>
<tr>
<td>9/16/91</td>
<td>Paul Kitos, Ph.D.</td>
<td>Department of Biochemistry, Univ. of Kansas, Lawrence</td>
<td>Targets of Organophosphorus Insecticides in the Avian Embryo</td>
</tr>
<tr>
<td>9/23/91</td>
<td>Paul F. Terranova, Ph.D.</td>
<td>Department of Physiology, KUMC</td>
<td>Ovarian Tumor Necrosis Factor</td>
</tr>
<tr>
<td>9/30/91</td>
<td>Lydia Arbogast, Ph.D.</td>
<td>Department of Physiology, KUMC</td>
<td>Regulation of Hypothalamic Tyrosine Hydroxylase by Steroid and Lactogenic Hormones</td>
</tr>
<tr>
<td>10/11/91</td>
<td>Dr. George W. Mulheron</td>
<td>Dept. of Obstetrics &amp; Gynecology, Duke University</td>
<td>The Regulation of Ovarian TGF-β Expression</td>
</tr>
<tr>
<td>10/14/91</td>
<td>Greg Cahill, Ph.D.</td>
<td>Dept. of Anatomy &amp; Cell Biology, KUMC</td>
<td>Neurobiology of the Retinal Circadian Clock</td>
</tr>
<tr>
<td>10/21/91</td>
<td>Richard D. Palmiter, Ph.D.</td>
<td>University of Washington, Seattle, Washington</td>
<td>Transgenic Approaches for Studying Mammalian Development and Disease</td>
</tr>
<tr>
<td>10/28/91</td>
<td>Steven Morris, Ph.D.</td>
<td>Div. of Molecular Biology &amp; Biochem, UMKC</td>
<td>Imaging of Multiple Fluorescent Probes in Living Cells: Simultaneous Ca++ and pH Measurements</td>
</tr>
<tr>
<td>11/4/91</td>
<td>Nira Ben-Jonathan, Ph.D.</td>
<td>Department of Physiology, University of Indiana</td>
<td>Prolactin Releasing Factor in the Posterior Pituitary Gland</td>
</tr>
<tr>
<td>11/7/91</td>
<td>Karl Ullrich, M.D.</td>
<td>Max Planck Institute for Biophysics, Frankfurt, Germany</td>
<td>Substrate Specificity of the Organic Anion and Organic Cation Transport Systems in the Proximal Renal Tubule</td>
</tr>
</tbody>
</table>
Rapid Turnover of Catecholamines in Brain Synaptic Vesicles *In Vitro*

Trophoblast Cell Endocrine Differentiation

Dead Neuron Society - Neural Degeneration and Replacement

Dopaminergic and Serotonergic Control of Prolactin Release

Regulation of Skeletal Muscle Acetylcholinesterase Isoenzymes

Prostaglandin H Synthase, an Endogenous Free Radical Generator

Phenotypic Plasticity of Pancreatic Acinar Cells in Culture

How the Retina Develops: Changes in Lipid-Binding Proteins During Differentiation

Growth Factors and Gene Therapy in Vascular Disease

Effect of a Monoclonal Antibody for Progesterone on Pregnancy

Infantile Polycystic Kidney Disease: A Role for EGF?

Neuronal Cell Death in the Auditory System: Rapid Metabolic and Ultrastructural Events

Cellular Mechanisms of Renin from Human Placenta
<table>
<thead>
<tr>
<th>Date</th>
<th>Presenter</th>
<th>Institution and Location</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/30/92</td>
<td>Rick Tessel, Ph.D.</td>
<td>Dept. of Pharmacology, University of Kansas, Lawrence</td>
<td>Postsynaptic Neuropeptide Y Subtypes and Vascular Regulation</td>
</tr>
<tr>
<td>4/1/92</td>
<td>Johannes Piiper, M.D.</td>
<td>Department of Physiology, Max Planck Institute for Exp. Medicine, Gottingen, Germany</td>
<td>Perfusion Inhomogeneity in Muscle: Effect on Oxygen Supply</td>
</tr>
<tr>
<td>4/6/92</td>
<td>Cathleen Sagrillo</td>
<td>Department of Physiology, KUMC</td>
<td>The Role of Endogenous Opioids in the Regulation of the Nocturnal Surges During Pregnancy in the Rat</td>
</tr>
<tr>
<td>4/20/92</td>
<td>Mary Hunzicker-Dunn, Ph.D.</td>
<td>Department of Cell, Molecular and Structural Biology, Northwestern University</td>
<td>Signal Transduction in Ovarian Cells</td>
</tr>
<tr>
<td>4/27/92</td>
<td>Dianne Tucker, Ph.D.</td>
<td>Department of Psychology, University of Alabama</td>
<td>Neurohumoral Controls of Cardiac Development</td>
</tr>
<tr>
<td>5/8/92</td>
<td>Philip L. Smith, Ph.D.</td>
<td>Smith, Kline and French Laboratories, Philadelphia, PA</td>
<td>Effects of Endothelin on Intestinal Transport</td>
</tr>
<tr>
<td>5/11/92</td>
<td>Jennifer Dorrington, Ph.D.</td>
<td>Dept. of Obstetrics &amp; Gynecology, University of Toronto</td>
<td>Growth Factors as Key &quot;Differentiation Decision Makers&quot; in the Ovary</td>
</tr>
<tr>
<td>5/18/92</td>
<td>Roger Fedde, Ph.D.</td>
<td>Dept. of Anatomy &amp; Physiology, Kansas State University</td>
<td>Blood Viscosity Homeostasis: Advantages During Exercise in Horses</td>
</tr>
<tr>
<td>6/1/92</td>
<td>Randy Nudo, Ph.D.</td>
<td>Dept. of Neurobiology and Anatomy, Univ. of Texas, Houston</td>
<td>Functional Remodeling of Motor Cortex in Adult Mammals</td>
</tr>
<tr>
<td>6/5/92</td>
<td>Joanne Mathiasen</td>
<td>Department of Physiology, KUMC</td>
<td>Dopaminergic and Serotonergic Control of Prolactin Surges in the Pregnant Rat</td>
</tr>
<tr>
<td>6/12/92</td>
<td>Edathil Vijayan, Ph.D.</td>
<td>Hyderabad Center University, Hyderabad, India</td>
<td>Role of Neurotensin in Pituitary Hormone Secretion and it's Clinical Significance</td>
</tr>
</tbody>
</table>
a. Published during year - July 1, 1991 - June 30, 1992


b. In press


c. Abstracts


RESEARCH SUPPORT


Wesley Foundation, Wichita, KS - Growth Factors in Pregnancy Establishment. May 01, 1990 - April 30, 1993. Principal Investigator. $61,000 Direct costs; $10,000 Indirect costs.

Lalor Foundation - Role of IGF-I in Implantation. (Postdoctoral Fellowship) September 1, 1990 - August 31, 1992. $28,000 Direct costs.

NIH - Embryonic Signals in Establishment of Pregnancy in the Pig. August 1, 1991 - July 31, 1994. $75,000 Direct costs. (Subcontract from K-State University)


P. G. Smith: NIH NINCDS - Sympathetic Neuroplasticity. Principal Investigator. Total project period July 1, 1990 - June 30, 1994. Total direct costs $440,000; Indirect costs $216,000. Annual direct costs $104,000; Indirect costs $51,000.


American Heart Association - Reactive Oxygen Species and Single Cardiac Cell Function. Co-Principal Investigator with C.M. Tarr. Total grant period 7/01/89 thru 6/30/92. Direct cost this year of $29,600; indirect costs of $2850.


NICHD - National Research Service Award to Dr. Lydia Arbogast. April 1, 1990 to March 31, 1993. Direct costs third year $29,900.

ACTIVITIES OF STAFF

Paul D. Cheney, Ph.D., Professor (Director, MRRC)

Meetings Attended:
- October 20-22, 1991 - attended the MRRC Center Director's meeting held in Austin, TX.
- November 10-15, 1991 - attended the annual meeting of the Society for Neuroscience in New Orleans, LA.
- May 27-28, 1992 - attended the MRRC Center Director's meeting held in New Orleans, LA.

Committees:
Department:
- Coordinator, Physiology Department seminar series
- Member, Dissertation Committee, Frank Samson
- Member, Dissertation Committee, Joanne Mathiasen
- Member, Dissertation Committee, Jean Hiebert

KUMC:
- Member, Medical Faculty Steering Committee
- Member, KUMC School of Medicine Transition Election Committee
- Member, Kansas MRRC Internal Scientific Advisory Committee
- Member, Neurology Department Research Committee
- Coordinator, Kansas City Chapter, Society for Neuroscience

National:
- Member, NINDS program project special review committee

Editorial and Grant Reviews:
- ad hoc reviewer Journal of Neurophysiology
- ad hoc reviewer Experimental Brain Research
- ad hoc reviewer National Science Foundation
- ad hoc reviewer Spinal Cord Injury Foundation

Seminars Presented:
- September 9, 1991 - Presented a departmental seminar entitled "Neurons, Muscles and Movement: Connections, Correlations and Causality".
- January 16, 1992 - Presented a Sigma Xi seminar entitled "Ralph L. Smith Mental Retardation Research Center: Past, present and future".
- March 12, 1992 - Presentation on MRRC structure and research programs for Marion Merrill Dow.
- March 19, 1992 - Presentation on the MRRC structure and research programs for Support Services Directors, KUMC.
- May 19, 1992 - Presented a seminar entitled "Overview of the Smith Mental Retardation Research Center" to the Children's Rehabilitation Unit.

Teaching activities:
- Medical Neuroscience
  - 10 hours lecture
16 hours lab - optics and gross brain dissection
1 demonstration
Physiology 823 - Motor Function of Brain
10 three hour lecture/discussion sessions
1 demonstration

Trainees:
Brian McKiernan - Graduate Student
Richard Baehner - medical student, summer 1992
Robert Thompson - summer student 1992

Richard L. Clancy, Ph.D., Professor

Meetings attended:
April 5-9, 1992 - Attended meeting of the Federation of American Societies for Experimental Biology held in Anaheim, CA.

Committees:
Departmental:
Chairman, Physiology Department Graduate Student Affairs Committee

KUMC:
Member, KUMC Graduate Student Council
Member, Faculty Grievance Committee
Member, Faculty Assembly Steering Committee
Chairman, School of Medicine 5 year Graduate Degree Program Review

Grants reviewed:
American Heart Association, Kansas Affiliate

Seminars presents:
February 21, 1992 - Presentation to the Renal Journal Club
May 1, 1992 - Presentation to the Renal Journal Club

Teaching Activities:
Medical Physiology 800
12 hours lecture - Cardiovascular
12 hours laboratory
18 hours conferences
8 hours computer assisted learning
Physiology 810 - Cell Physiology
2 hours lecture
Physiology 705 - Advanced Human Physiology
8 hours lecture
PHSL 830 - Cardiovascular Physiology
12 hours lecture
Prematriculation Course (Minority Students)
10 hours lecture

Trainees:
Robert Whitman - Graduate Student
Sudhansu K. Dev, Ph.D., Professor

Meetings attended:
- August 15-18, 1991 - Attended the Serono Symposium on Preimplantation Embryo Development held in Newton, Massachusetts as an invited speaker.
- May 28-30, 1992 - Attended the Serono Symposium on IVF as an invited speaker and session chairman.

Committees:
Departmental:
- Member, Ph.D. Committee, Xing Lu, Physiology Graduate Student
- Member, Ph.D. Committee, Gary Hamlin, Physiology Graduate Student

KUMC:
- Member, Advisory Committee for MRRC
- Member, Research Committee
- Member, Search Committee for Chair Selection of Psychiatry Department
- Member, Selection Committee for Faculty Research Award
- Member, Executive Committee of Society of Research Scholars
- Member, Hiring Committee for secretary and histology technician for MRRC
- Member, Ph.D. Committee, Mike McMasters, Biochemistry graduate student
- Member, Ph.D. Committee, Lou Chuan, Biochemistry graduate student
- Member, Ph.D. Committee, Kyle Hooper, Biochemistry graduate student
- Member, Ph.D. Committee, Laurie Pan, Pharmacology graduate student

Local:
- Member, Mentorship Program, Shawnee Mission East High School

National:
- Co-Organizer, Symposium on Implantation held on July 5, 1991 in Vancouver
- Member, Organizing Committee, Satellite Symposium of 9th International Congress of Endocrinology on Endocrinology of Embryo-Endometrial Interaction to be held September 6-10 in Bordeaux, France.

Editorial and Grant Reviews:
- Biology of Reproduction
- Journal Reproduction and Fertility (U.K.)
- J. Clinical Endocrinology & Metabolism
- J. Histochemistry and Cytochemistry
- Prostaglandin
- Development Biology
- Endocrinology
- Molecular Endocrinology
- Medical Research Council, Canada
- Australian Journals of Scientific Research
- Molecular Reproduction & Development
- Human Reproduction (UK)
- Joint Israel-U.S. Science Foundation
- Israel Academy of Science
Seminars Presented:
April 17, 1992 - Invited speaker, Department of OB/GYN, University of Nebraska, Omaha, Nebraska.

Honors:
Invited to write a chapter on implantation in a medical textbook.
Invited speaker, Serono Symposium on Trophoblast-endometrial relationship held August 5-8, 1992, in Las Vegas, Nevada.
Invited speaker, Satellite Symposium of 9th International Congress of Endocrinology on Endocrinology of Embryo-Endometrial Interaction to be held September 6-10, 1992 in Bordeaux, France.
Invited speaker, Annual Meeting of the American Fertility Society to be held October 30 - November 1, 1992, in New Orleans, Louisiana.
Invited speaker, Symposium on Biology of Epidermal Growth Factor to be held November 7-9, 1992, in Nashville, Tennessee.

Teaching Activities:
Medical Physiology
  16 hours laboratory
  18 hours conference

Trainees:
Karen Kover, Physiology Graduate Student
B.C. Paria, Ph.D. - Postdoctoral Fellow
S.K. Das, Ph.D. - Postdoctoral Fellow
S. KaPur, Ph.D. - Postdoctoral Fellow
H. Tsukamura, Ph.D. - Postdoctoral Fellow
Kelly Jones - Medical Student 1991
Greg Bongers - Medical Student 1992
Sharon McCray - Undergraduate Student, KU Lawrence, 1991-2
Ansley Spencer - Student, Shawnee Mission East High School, 1991-2
Charles Cowles - Student, Shawnee Mission South High School, 1992

Hugo L. Fernandez, Ph.D., Professor

Meetings Attended:
July 9-11, 1991 - Attended the NIH-Behavioral & Neuroscience Study Section meeting in Washington, D.C.
November 10-15, 1991 - Attended the 21st Annual of the Society for Neuroscience held in New Orleans, LA.
November 15-17, 1991 - Attended the NIH-Behavioral & Neuroscience Study Section meeting in New Orleans, LA.
March 18-20, 1992 - Attended the NIH-Behavioral & Neuroscience Study Section meeting held in Washington, D.C.

Committees:
Local:
Chairman, Animal Studies Committee, VA Medical Center
Member, KUMC Search Committee for the position of chairperson for the Department of Pharmacology & Toxicology & Therapeutics

Member, Sarah Morrison Bequest Review Committee, Univ. of Missouri-K.C.

National:
Chairman, NIH Behavioral and Neurosciences Study Section I
Member, NIH-NRR (1991-1995)

Editorial and Grant Reviews:
reviewer - NIH, Behavioral and Neurosciences Study Section
UMKC, Sarah Morrison Bequest Committee
U.S. Department of Veteran’s Affairs Merit Review Programs
ad hoc reviewer - J. Neurochemistry
- J. Applied Physiology
- American J. Physiology: Cell Physiology
- Muscle & Nerve
- Neurochemistry International

Seminars Presented:
June 17, 1992 - Presented a seminar entitled "Neurobiology of Acetylcholinesterase: Its Physiological Regulation and Clinical Relevance During Adulthood and Senescence" to staff members at the U.S. Department of Veterans Affairs Medical Center, Bay Pines, FL, and the School of Medicine, University of Southern Florida, Tampa, FL.

Academic Honors:
Chairman, NIH Behavioral & Neurosciences Study Section (1989-1991)

Trainees:
Seyed A. Sajadi, Medical Student

Norberto C. Gonzalez, M.D., Professor

Meetings Attended:
April 5-9, 1992 - Attended meeting of the Federation of American Societies for Experimental Biology held in Anaheim, CA.

Committees:
KUMC
Member, Curriculum Development Committee

Extramural
Chairman, Peer Review Research Committee, AHA-Kansas Affiliate
Member, Research Committee, AHA- Kansas Affiliate

Honors:
Fellowship from the Alexander von Humboldt Foundation, Bonn, Germany, May-November 1991 in support of sabbatical leave at the Max-Planck Institute for Experimental Medicine, Gottingen, Germany.
Elected Vice-President, American Heart Association, Kansas Affiliate
Teaching activities:
   Medical Physiology
       10 hours lecture - Respiratory Physiology
       2 two-hour review sessions
       2 two-hour respiratory physiology demonstrations
       12 conference sessions
       4 laboratory sessions

Trainees:
   Kent Perry, Summer Student, 1992
   Carl F. Painter, Summer Student, 1992

Gilbert S. Greenwald, Ph.D., Distinguished Professor and Chairman

Meetings Attended:
   April, 1992 - Attended the annual FASEB meetings held in Anaheim, CA.

Committees:
   Departmental:
       Co-coordinator, Mo-Kan Reproductive Workshop
       Member, Thesis Committee for Sandy Elliott
       Member, Thesis Committee for Joanne Mathiasen
       Member, Thesis Committee for Rob Zachow
       Member, Thesis Committee for Xiao-ning Wang
       Member, Thesis Committee for Toni Clinton
   KUMC:
       Member, Search Committee for chairman of Pharmacology
       Member, Search Committee for chairman of Obstetrics & Gynecology
   University:
       Member, Editorial Board, Explore Magazine
       Chairman of the Board, Midwest Biomedical Research Foundation, V.A. Hospital, Kansas City
       Member, Steering Committee, LCME visit - 1992
   National:
       Chairman, Organizing Committee for Conference on Ovarian Follicular Selection and Atresia, NIH
       Consultant, Abbott Laboratories, Chicago

Editorial and Grant Reviews:
   ad hoc reviewer - American J. Anatomy
       - Biology of Reproduction
       - Canadian J. Zoology
       - Endocrinology
       - J. Experimental Zoology
       - J. Reproduction and Fertility
Seminars presented:
   September 11, 1991 - Presented talk to the Reproductive Toxicology Branch of the EPA at Research Triangle Park, NC.
   February 24, 1992 - Presented a departmental seminar entitled "Effect of a Monoclonal Antibody for Progesterone on Pregnancy".
   March 23, 1992 - Presented a talk at the Conference on Ovarian Follicular Selection and Atresia held in Bethesda, MD.

Academic Honors:
   Received 'Excellence in Education’ Award at Student Voice Forum - 1992

Teaching activities:
   Physiology 800 - Medical Physiology (Co-coordinator)
     8 hours lecture - G.I. Physiology
   Physiology 705 - Advanced Human Physiology
     6 hours lecture - G.I. Physiology

Trainees:
   Xiao-ning Wang, M.D. - Graduate Student
   Alok Ranjan Kole, Ph.D. - Postdoctoral Fellow
   Mitsuo Kawashima, Ph.D. - Postdoctoral Fellow

Thomas J. Imig, Ph.D., Professor

Meetings Attended:
   November 10-15, 1991 - Attended the annual Neuroscience meeting held in New Orleans, LA

Committees:
   Departmental:
     Librarian
     Member, Graduate Student Affairs Committee
   KUMC:
     Member, MRRC Advisory Committee
     Member, MRRC Space Committee
     Member, Faculty Assembly Library Committee
     Alternate Member, Student Union Board of Directors
Editorial and Grant Reviews:
- Journal of Neurophysiology
- Journal of Neuroscience
- Journal of Comparative Neurology
- Hearing Research
- National Science Foundation
- National Research Council Canada
- National Research Council Australia

Teaching Activities:
- PHYS/ANAT 840 - Medical Neuroscience (Course Director)
  - 6 hours lecture
  - 4 three hour laboratory sessions
- Physiology 398 - Neurophysiology for O.T. Students
  - Course Director (taught by Graduate Students)

Trainees:
- Frank Samson - Graduate Student
- Janine Clarey, Ph.D. - Postdoctoral Fellow
- Pascal Barone, Ph.D. - Postdoctoral Fellow
- Xuefeng Wang, M.D. - Postdoctoral Fellow

Donald C. Johnson, Ph.D., Professor

Meetings Attended:

Committees:
  Departmental:
  - Member, Thesis Committee for Joanne Mathiasen, Physiology Ph.D. candidate
  University:
  - Chairman, Graduate Travel Committee
  - Member, Thesis Committee for Brian Gemzik, Pharmacology/Toxicology Ph.D. candidate

Editorial and Grant Reviews:
- Biology of Reproduction
- Special Study Section: NIEHS - Superfund program project grants (Oct. 1991)

Seminars presented:
- January 24, 1992 - Presented a seminar entitled "Ovarian Androgens" to the Department of Physiology at the University of Nebraska in Omaha.
- April 27, 1992 - Presented a seminar entitled "Sex Hormone Antagonism" to the Department of Anatomy & Physiology at Kansas State University in Manhattan
Honors:
Invitation to participate as a visiting scientist, Rocky Mountain Laboratory (NIH, Hamilton, MT in July, 1992.

Teaching Activities:
Medical Physiology
8 conferences
3 laboratory sessions

Trainees:
Linda Crane, Ph.D. - Postdoctoral Fellow
Sanat Chatterjee, Ph.D. - Postdoctoral Fellow
Brian Chaffee - Summer Medical Student

Steven M. LeVine, Ph.D., Assistant Professor

Committees:
Departmental:
Graduate Student Affairs Committee

University:
Mental Retardation Research Center Advisory Committee
Member, Thesis Committee for Dale Hogan
Member, Thesis Committee for Zoia Murresen
M.D./Ph.D. Advisory Committee
Student Research Forum Judging Committee
ad hoc Graduate Student Teaching Assistant Committee

Journals refereed:
ad hoc reviewer - Journal of Neurochemistry

Seminars presented:
September 10, 1991 - Presented a seminar entitled "Chemical analyses of myelin and possible mechanisms of demyelination" to the Department of Pharmacology, Toxicology and Therapeutics, KUMC.

Honors:
Excellence in Teaching, awarded by the Student Voice, KUMC

Teaching Activities:
PHSL 840 (Medical Neuroscience)
4 hours lecture
8 hours laboratory
PHSL 810 (Cell Physiology)
3 hours lecture
PHSL 784 (Faculty Research Forum)
1.5 hours
ANAT 850 (Cell Biology)
3 hours
ANAT 900 (Analysis of Scientific Papers)
1.5 hours
Trainees:

Maria Torres - Medical Student Summer Trainee
Christine A. Rasmussen - Physiology Graduate Student

Fred E. Samson, Ph.D., Professor Emeritus

Meetings Attended:

August 6-10, 1991 - Attended U.S. Army Medical Research and Development Command, Bioscience Review, held at the Aberdeen Proving Ground, MD.
November 12-15, 1991 - Attended the annual meeting of the Society for Neuroscience held in New Orleans, LA.
January 13-16, 1992 - Attended the Western Pharmacology Society Annual Meeting held in Pacific Grove, CA.
June 22-25, 1992 - Attended the U.S. Army Science Conference held in Orlando, FL.

Committees:

Departmental:
Scrivener-Scribe, Department of Physiology

KUMC:
Member, Thesis Committee for Maria Romanas, Pharmacology Ph.D. candidate

University:
Coordinator, Free Radical Research Group
Member, Advisory Committee, Kansas Mental Retardation Research Center
Member, Advisory Committee, Center for Biobehavioral Studies of Fatigue Management (School of Nursing, KUMC)

National:
Scientists' Institute for Public Information (Media Resource Service, New York, NY)

Editorial and Grant Reviews:
Member, Scientific Advisory Board, Encyclopedia of Neuroscience Year Book
Guest Referee for Brain Research
ad hoc reviewer, Research Application for V.A. Medical Center

Seminars Presented:
March 30, 1992 - Presented seminar entitled "Nitric Oxide and Paracircuitry Mechanisms in Brain Functions" to the Department of Physiology and Cell Biology, University of Kansas, Lawrence campus.

Trainees:

Matt Layton - M.D. (Ph.D. candidate with T.L. Pazdernik)
Hong Zuo, M.D. (Beijing, China Hospital)
Margaret Beatty, D.V.M., (Marion Merrell Dow Scientist, part-time postdoctoral)
Yumi Kamijo (Ph.D. candidate at Showa University, Tokyo)
Maria Romanas - M.D./Ph.D. candidate with T.L. Pazdernik)
Jennifer Wagner - M.D./Ph.D. candidate with T.L. Pazdernik)
Patrick Mullins - summer student with T.L. Pazdernik)
Peter G. Smith, Ph.D., Associate Professor

Meetings Attended:
October 22 - 24, 1991 - Attended the Neurology B Study Section Subcommittee 2 Meeting held in Bethesda, MD.
November 11-15, 1991 - Attended the annual meeting of the Society for Neuroscience in New Orleans, LA and presented a poster.
February 18-20, 1992 - Attended the Neurology B Study Section Subcommittee 2 Meeting held in Bethesda, MD.
April 3, 1992 - Attended the American Heart Association, Kansas Affiliate Research Committee Meeting held in Topeka, KS.
June 16-18, 1992 - Attended the Neurology B Study Section Subcommittee 2 Meetings held in Bethesda, MD.

Committees:
Departmental:
Member, Graduate Student Affairs Committee
Chairman, Dissertation Committee for Jean Hiebert, Physiol. Ph.D. candidate
Member, Dissertation Committee, Frank Samson, Physiology Ph.D. candidate
Member, Dissertation Committee, Cathy Sagrillo, Physiology Ph.D. candidate
Member, Dissertation Committee, Chris Rasmussen, Physiol. Ph.D. candidate
Member, Dissertation Committee, Brian McKiernan, Physiol. Ph.D. candidate

KUMC:
Chair, Institutional Animal Care and Use Committee
Chair, ad hoc Committee on Mouse Hepatic Virus
Member, Faculty Assembly Research Committee
Member, Academic Committee
Chair, Student Promotions Subcommittee
Member, Curriculum Committee
Coordinator, Task Force on Primary Care Experiences in year 1
Member, MRRC Histotechnologist Search Committee
Judge, Student Research Forum
Member, Dissertation Committee, Dale Hogan, Anatomy Ph.D. candidate
Member, Dissertation Committee, Edwin Purcell, Anatomy Ph.D. candidate
Member, Dissertation Committee, Pablo Pergola, Pharmacology Ph.D. candidate
Member, Dissertation Committee, Tony Zink, Pharmacology Ph.D. candidate
Member, Dissertation Committee, Lawrence Davidow, Pharmacology Ph.D. Candidate

Local:
Member, Research Committee, American Heart Assoc., Kansas Affiliate

National:
Member, Neurology B2 Study Sections

Editorial and Grant Reviews:
Journal of the Autonomic Nervous System
Ad hoc reviewer, The Wellcome Trust
NIH Neurology B ad hoc review panel
Seminars presented:

**September 22, 1991** - Presented a seminar entitled "Determinants of Autonomic Target Reinnervation" to the American Academy of Otolaryngology, Study Group on Neurolaryngology, Kansas City, MO.

**March 25, 1992** - Presented a seminar entitled "Determinants of Autonomic Target Reinnervation" to the Department of Otolaryngology, KUMC.

Honors:

Received 'Excellence in Education' award from the Student Voice Class of 1995

Teaching activities:

- Medical Physiology
  - 2 hours lecture
  - 3 laboratory sessions
- Medical Neuroscience
  - 2 hours lecture
  - 4 laboratory sessions
- Physiology 705 (Advanced Human Physiology)
  - 10 hours lecture
  - 3 review sessions
- Cardiovascular Physiology 830
  - 3 hours lecture

Trainees:

- Jean Hiebert, Physiology Ph.D. Candidate
- Qin Fan, Visiting Scientist from Pharmacology Branch, Drug Research Center, Guangzhou Pharmaceutical Corp.
- John Brandt, Medical Student, Recipient of Sutton Award
- Mike Wanger, Medical Student
- Curtis Beauregard, Medical Student

**Michael J. Soares, Ph.D.,** Associate Professor

Meetings Attended:

- **February, 1992** - Attended the Gordon Research Conference on Prolactin held in Oxnard, California and presented a seminar entitled "Rat placental prolactin family".

Committees:

**Departmental:**

- Member, Graduate Student Advisory Committee
- Member, Dissertation Committee for Sandy Elliott (Physiology)
- Member, Dissertation Committee for Cathy Sagrillo (Physiology)
- Member, Dissertation Committee for Karen Kover (Physiology)

**KUMC:**

- Member, Institutional Animal Care and Use Committee
- Member, Biological Lecture Series Seminar Program Committee
Coordinator, Reproductive and Developmental Biology Seminar Program
(Fall & Spring Semesters)
Member, Dissertation Committee for Sen Xiao (Biochemistry)
Member, Dissertation Committee for Xiaoming Zhang (Anatomy)
Member, Dissertation Committee for Gang Lian (Anatomy)

National:
Organizer of the USA sponsored Serono Symposium entitled "Trophoblast cells: Pathways for Maternal-embryonic communication, to be held August 6-9th, 1992 in Las Vegas, Nevada.

Editorial and Grant Reviews:
ad hoc reviewer for - Endocrinology
- Biology of Reproduction (Member, Editorial Board)
- Journal of Reproduction and Fertility
- Molecular Endocrinology
- Developmental Biology
- Placenta
- Histochemical Journal
- Cancer Research
- Differentiation
- USDA Competitive Research Grants Program
- Veteran's Administration Research Grants Program
- NICHD: Human Embryology and Development Study Section

Seminars presented:
November, 1991 - Presented a seminar entitled "Trophoblast cell endocrine differentiation: expression of the placental prolactin gene family" at the Women's Research Institute, Wichita, Kansas.
February, 1992 - Presented a seminar entitled "Trophoblast cell differentiation: expression of the placental prolactin gene family" to the Department of Obstetrics and Gynecology, Stanford University, Stanford, CA.
April, 1992 - Presented a seminar entitled "Trophoblast cell differentiation: expression of the placental prolactin family" to the Department of Obstetrics and Gynecology, Washington University, St. Louis, MO.

Honors:
Invited to present a lecture at the Gordon Research Conference on Reproductive Tract Biology to be held in Plymouth, New Hampshire in July, 1992.
Invited to present a lecture at a Serono Symposium to be held in Las Vegas, Nevada in August, 1992.

Teaching activities:
Medical Physiology
9 conferences
4 laboratory sessions
Physiology 705 - Course Coordinator
10 hours lecture - Endocrinology
2 hours review
Physiology 810 - Cell Physiology
4.5 hours lecture
Trainees:
- Dr. Katherine F. Roby - Postdoctoral Fellow (recipient of a NRSA award)
- Kazuyoshi Hashizume - Postdoctoral Fellow
- Toshiya Yamamoto - Postdoctoral Fellow
- Teresa Faria - Ph.D. Candidate (Special Studies)
- Xing-Jian Lu - Ph.D. Candidate
- Gary Hamlin - Ph.D. Candidate
- Daniel Prohaska - Summer Student (summer of 1992)

Lawrence P. Sullivan, Ph.D., Professor

Meetings Attended:
- November 1991 - Attended American Society of Nephrology annual meeting held in Baltimore, MD
- April 1992 - Attended meetings of the Federation of American Societies for Experimental Biology held in Anaheim, CA
- June 1992 - Attended the International Workshop on Polycystic Kidney Disease held in Kansas City, MO and presented a poster

Committees:
- Departmental:
  - Member, Faculty Promotion Committee
- Local:
  - Member, Faculty Assembly Resources & Planning Committee
  - Coordinator, Renal Journal Club
- National:
  - State Network Chair, American Society of Nephrology
  - Deputy Editor, Journal American Society of Nephrology

Editorial and Grant Reviews:
- Journal American Society of Nephrology
- American Journal Physiology
- Biochimica et Biophysica Acta
- W.H. Freeman & Co. - reviewed proposed textbook for medical physiology

Seminars Presented:
- September 6, 1991 - Presented a seminar to the Renal Journal Club
- January 10, 1992 - Presented a seminar to the Renal Journal Club
- April 17, 1992 - Presented a seminar to the Renal Journal Club

Teaching Activities:
- Medical Physiology
  - 10 hours lecture - Renal Physiology
  - 8 hours problem sessions
  - 8 conferences
  - 4 laboratory sessions
- Physiology 784 (Faculty Research Program)
  - 2 hours lecture
Physiology 810 (Cell Physiology)
5 hours lecture

Trainees:
Brent Davis, Summer Student from Drury College

Merrill Tarr, Ph.D., Professor

Committees:
State:
Member of Research Peer Review Committee, American Heart Association, Kansas Affiliate

Editorial and Grant Reviews:
Ad hoc member of National Institute of Health Cardiovascular A Study Section (Feb. 1992)

Teaching Activities:
Medical Physiology
12 hours lecture
10 conference sessions
4 laboratories
Physiology 830 (Cardiovascular Physiology)
12 hours lecture
Physiology 810 (Cell Physiology)
8 hours lecture

Trainees:
Edgar Arriaga, Post-Doctoral Fellow

Joseph S. Tash, Ph.D., Associate Professor

Meetings Attended:
July 29-31, 1991 - Attended the Society for the Study of Reproduction meeting held in Vancouver, British Columbia, Canada
October 19-24, 1991 - Attended the annual meeting of the American Fertility Society held in Orlando, Florida as a symposium moderator and presenter.
December 8-12, 1991 - Attended the American Society for Cell Biology meetings held in Boston, MA
June 6, 1992 - Attended the MoKan Reproduction Series held at the University of Missouri, Columbia

Committees:
Department:
Member, Graduate Affairs Committee
Member, thesis committee for Rob Zachow
Director, departmental graduate subprogram: Molecular and Cellular Physiology
KUMC:
Member, Faculty and Education Committee
National:
Member, Editorial Board, Journal of Andrology

Editorial and Grant Reviews:
Biology of Reproduction
Cell Motility and the Cytoskeleton
Cell Physiology
Developmental Biology
Journal of Cell Biology
J. Andrology
Journal of Reproduction and Fertility
Molecular Endocrinology
NIH

Teaching activities:
PHSL 810 (Cell Physiology) - Course Coordinator
5 lectures, hours each
Medical Physiology
8 conference sessions
4 laboratory sessions
Cell Biology (Anatomy and Cell Biology course)
2 lectures, 1.5 hours each
Developmental Biology (Anatomy and Cell Biology course)
1 two hour lecture

Trainees:
Geracimo Bracho, Ph.D. - Post-doctoral fellow
Daniela Bravo, Summer student

Paul F. Terranova, Ph.D., Professor

Meetings Attended:
October 7-9, 1991 - Attended the NIH Reproductive Biology Study Section meeting at NIH, Bethesda, MD.
October 30-Nov. 1, 1991 - Attended the NIEHS Superfund Research Program Review Committee meeting held in Research Triangle Park, NC.
February 10-12, 1992 - Attended the NIH Reproductive Biology Study Section meeting at NIH, Bethesda, MD.
June 8-10, 1992 - Attended the NIH Reproductive Biology Study Section meeting at NIH, Bethesda, MD.

Committees:
Departmental:
Chairman, Promotion & Tenure Committee
Member, Physiology Schedule Review Committee
Member, Dissertation Committee, Cathy Sagrillo

36
KUMC:
   Member, MRRC Advisory Board
   Member, MRRC Histology Review Committee
   Member, Radiation Safety Committee
   Member, International Center for Cell Science, KUMC Advisory Board

State:
   Chairman, Research & Development Committee, VA Medical Center
   Consultant, Miles Corporation, Stillwell, KS
   Member, Missions Review Committee, VA Medical Center

National:
   Member, Reproductive Biology Study Section NICHD, 1989-93
   Member, NIEHS Superfund for Biohazards Study Section, 1991
   Member, Editorial Board, Journal of Endocrinology
   Consultant, American Cyanamid, Rochester, NY
   Member, Dissertation Committee, S. Xiao, Prince Henry's Institute,
        University of Monash, Australia
   Member, Reproductive Review Board, EPA, Research Triangle Park, NC

Editorial and Grant Reviews:
   Endocrinology
   Biology of Reproduction
   Journal of Clinical Endocrinology & Metabolism
   Prostaglandins
   Progress in Neuroendocrinology
   Neuroendocrinology
   American Journal of Physiology
   Fertility and Sterility
   Journal of Andrology
   Life Sciences
   NIH - Reproductive Biology
   National Science Foundation - Physiological Process

Seminars Presented:
   December 3, 1991 - Presented a seminar entitled "Ovarian Tumor Necrosis Factor"
      to the Department of Physiology, Meharry Medical College, Nashville, TN
   May 1, 1992 - Presented a seminar entitled "Granulosa Cells and Growth Factors to
      the Department of Medicine, KUMC

Honors:
   Elected Secretary - Society for the Study of Reproduction, 1992-1995

Teaching Activities:
   Medical Physiology - Course Coordinator
      8 hours lecture - Endocrinology
      8 conferences
      4 laboratories
   Physiology 830 (Cellular Physiology)
      4 hours lecture
Trainees:
Maria Sancho-Tello, M.D., Ph.D., post-doctoral fellow
Jennifer Marcinkiewicz, Ph.D., post-doctoral fellow
Yan Zong Zhe, M.D., post-doctoral fellow
Scott Hutchison, M.D. (OB-GYN resident)
Toni Clinton, graduate student
Rob Zachow, graduate student
Amitabh Krishna, Ph.D., Visiting Scientist

John W. Trank, Ph.D., Professor
Meetings Attended:
September 5-7, 1991 - Attended the 'Computers in Physiology Teaching' meeting held in Newport, Oregon. Invited participant.

Committees:
Departmental:
Electronic shop supervisory committee
Teaching laboratory review committee
KUMC:
Member, Faculty Assembly Informatics Committee
Member, Information Resources Committee
Local:
Member, Biomedical Electronics Technician Advisory Committee, Johnson County Community College
Member, Board of Directors Greater Kansas City Div., American Heart Association
Consultant, Interex Division of Merck Industries, Lawrence, KS
Consultant, Marion Merrel Dow, Inc., Kansas City, MO
State:
Member, Board of Directors, American Heart Association, Kansas Affiliate
Chairman, Bylaws Revision Committee, American Heart Association, Kansas Affiliate
Chairman, Land Selling Committee, American Heart Assoc., Kansas Affiliate

Seminars:
March 21, 1992 - Invited participant in "Enhancing Instruction with Multimedia" assembly; presented talk entitled "Trial of Cardiovascular Simulations in Teaching Physiology".
April 8, 1992 - Invited participant in Info '92 held at KUMC. Presented talk entitled 'The Use of Interactive Video in Teaching Cardiovascular Physiology'.

Honors:
Invited to participate in the "Sylvia Beach Conference on Computers in Physiology Teaching" to be held in Newport, Oregon September 11-13, 1992.
Teaching Activities:

**Physiology 800 (Medical Physiology)**
- 9 hours lecture - Electrocardiography, Hemodynamics, Blood Pressure Regulation, Venous Circulation, System Dynamics
- 8 conferences (16 hours)
- 24 hours laboratory teaching and supervision
- Laboratory management for all Medical Physiology Laboratories

**Physiology 842 (Medical Neuroscience)**
- 2 hours Optics lecture - demonstration

**Physiology 827 - Physiological Instrumentation**
- 35 hours interactive, small group teaching

**Physiology 830 - Cardiovascular Physiology**
- 8 hours interactive, small group teaching

**Physiology 705 - Advanced Human Physiology**
- 6 hours lecture - Respiration

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**Dennis P. Valenzeno, Ph.D., Associate Professor**

Meetings Attended:
- June 20-24, 1992 - Attended the 20th Annual Meeting of the American Society for Photobiology held on Marco Island, FL

Committees:
- Local: Member, Pre-Matriculation Program Steering Committee
- National: Member, Education Committee American Society for Photobiology
- Member, Publication Committee, American Soc. for Photobiology
- Member, Governing Council, American Society for Photobiology
- Member, Public Affairs Committee, American Society for Photobiology

Editorial Reviews:
- ad hoc reviewer - Photochemistry and Photobiology
- ad hoc reviewer - Biochimica et Biophysica Acta
- ad hoc reviewer - V.A. Merit Award research proposal

Honors:
- Student Voice Teaching Award, Honors in Education, 1991-92
- Awarded plaque at American Society for Photobiology Meeting Honoring 5 years service as Editor of the American Society for Photobiology Newsletter.
- Invited to chair photosensitization session at the 11th International Congress on Photobiology to be held in Kyoto, Japan, fall 1992.

Teaching Activities:
- Medical Physiology
  - 6 hours lecture
  - 9 hours conference
  - 4 laboratories
- PHSL 705 - Advanced Human Physiology
  - 8 hours lecture
  - 2 hours review
Seminars Presented:
October 17, 1991 - Presented a seminar entitled "Peripheral hormones and central transmitters regulate hypothalamic tyrosine hydroxylase" to the Neuroscience Program at Michigan State University
October 22, 1991 - Presented a seminar entitled "Peripheral hormones and central transmitters regulate hypothalamic tyrosine hydroxylase" to the Department of Pharmacology, Toxicology and Therapeutics at KUMC
February 5, 1992 - Presented a Gordon Conference talk entitled "Tyrosine

PHSL 810 - Cell Physiology
3 hours lecture
Health Careers Pathways Program
7 hours lecture

Trainees:
Edgar A. Arriaga, post-doctoral fellow

James L. Voogt, Ph.D., Professor

Meetings Attended:
November 10-15, 1991 - Attended 21st annual meeting of the Society for Neuroscience held in New Orleans, LA
November 23, 1991 - Attended the MO-KAN workshop held at KUMC
February 3-7, 1992 - Attended the Gordon Research Conference held in Oxnard, CA
June 23-27, 1992 - Attended the 74th annual meeting of the Endocrine Society held in San Antonio, TX
June 6, 1992 - Attended the MO-KAN workshop held at the University of Missouri, Columbia, MO

Committees:
Departmental:
Chairman, Dissertation Committee, Cathleen Sagrillo
Chairman, Dissertation Committee, Joanne Mathiasen
Chairman, Dissertation Committee, Sandy Elliott
Member, Dissertation Committee, Teresa Faria
Member, Dissertation Committee, Frank Samson
Member, Graduate Committee, Gary Hamlin
Member, Graduate Committee, Brian McKiernan
Member, Graduate Committee, Karen Kover
Member, Graduate Committee, Xing-Jian Lu

KUMC:
Chairman, Medical Faculty Teaching Awards Committee
Member, Health Career Pathways Program Advisory Committee
Member, M.D./Ph.D. Advisory Committee and Curriculum Subcommittee
Member, MRRC Advisory Committee and Space Subcommittee
Member, Environmental Health Advisory Committee
Member, Committee on Governance
Member, Promotion and Tenure Committee
Member, Dissertation Committee, Mike McMaster, Biochemistry Graduate Student

Editorial and Grant Reviews:
Editorial Board - Endocrinology
ad hoc reviewer - PSEBM
- Neuroendocrinology
- Journal of Neuroendocrinology
- Life Sciences
Seminars Presented:
October 17, 1991 - Presented a seminar entitled "Peripheral hormones and central transmitters regulate hypothalamic tyrosine hydroxylase" to the Neuroscience Program at Michigan State University
October 22, 1991 - Presented a seminar entitled "Peripheral hormones and central transmitters regulate hypothalamic tyrosine hydroxylase" to the Department of Pharmacology, Toxicology and Therapeutics at KUMC
February 5, 1992 - Presented a Gordon Conference talk entitled "Tyrosine hydroxylase is regulated by pituitary prolactin and placental secretions" at Oxnard CA
February 21, 1992 - Gave a lecture entitled "Neuroendocrinology of the menstrual cycle" to the Division of Endocrinology, Metabolism and Genetics, KUMC
March 27, 1992 - Presented a seminar entitled "Hormonal and neurotransmitter regulation of dopamine neurons in the hypothalamus: effect of prolactin" to the Department of Anatomy and Cell Biology, Medical College of South Carolina
April 13, 1992 - Presented a seminar entitled "Pituitary and placental regulation of hypothalamic functions" to the Department of Anatomy and Physiology at Kansas State University

Teaching Activities:
Physiology 800 - Medical Physiology
  8 lectures
  10 conferences
  4 lab sessions
PHSL/ANAT 840 - Medical Neuroscience
  1 lecture
Prematriculation Course - Minority Students
  6 hours lecture

Trainees:
Rebecca Flietstra - graduate student
Cathy Sagrillo - graduate student
Joanne Mathiasen - graduate student
Sandy Elliott - graduate student
Lydia Arbogast, Ph.D. - Postdoctoral Fellow
Hiroshi Tomogane, Ph.D. - Postdoctoral Fellow
CHAIRMAN'S REPORT

I plan to retire as chairman sometime in FY '93. This is therefore the last annual report for which I am responsible. The first one that I was involved with was the report covering the period from July 1, 1976 to June 30, 1977. I will have served as chairman for about 16 years so that this is a good time to sum up the department's accomplishments over this time span. At present, the department consists of nineteen faculty: fourteen FTEs, Dr. Paul Cheney (Director of MRRC), Drs. Donald Johnson and S.K. Dey (primary appointments OB/GYN), Hugo Fernandez (KC VA), Fred Samson (Professor Emeritus). In 1977, only seven of the above were members of Physiology so that the department has more than doubled in size in the past sixteen years. Inflation obviously clouds the picture but total grant support in 1977 (of the "founding fathers") totaled $344,974 (direct plus indirect) compared to $1,596,437 in FY '91. The preliminary figures for FY '92 are $1,886,111. I put more stock in the fact that every member of the department is a principal or co-investigator on a funded grant. In 1977, the entire department published 30 papers; in 1992: 58. Graduate students in 1977 versus 1992 were 9 and 16, respectively. Similarly, postdoctoral fellows have increased from 8 to 21 in 1992. In other words, there has been very respectable and continued growth of the department.

Similar, but intangible progress, has been made in our teaching activities. For example, the Medical Physiology course is constantly evolving and continues to be well received by the majority of students. Student Voice cited Steve LeVine, Peter Smith, and Dennis Valenzeno for special recognition. The requirements for the Ph.D. in Physiology have been drastically revised in the past two years but it is still too early to judge their effectiveness.

Last but not least, I would like to single out for recognition our classified staff, especially Linda Carr and Joella Judd who have made my administrative life so much easier.

In summary, I am proud of the way the department has developed over the past sixteen years but it is time for new leadership and new directions. I hope and trust that the administration's decisions will still further strengthen the department and carry it triumphantly into the 21st century.