Many positive responses have been received regarding the DBMS Newsletter. The development of the newsletter has been a “work-in-progress” and has now evolved to its new identity—BioMed Highlights. The primary purpose of the Newsletter is to highlight the numerous scientific endeavors, educational and scholarly works, grant related research activities, as well as professional and personal events. In addition, BioMed Highlights allows us to share this information with others within the College of Medicine community. Many thanks to everyone for their input and contributions, and a very special thanks to the Editor, T. J. Neal. With the onset of summer and travel and vacations planned, the next edition will be released in the Fall.

Currently, an important activity occurring within our department is the search for new faculty members. The concerted efforts of the search committee in this process is greatly appreciated. If anyone has questions regarding the candidates or the process, you are encouraged to contact the Committee Chair, Dr. Scott Champney.

Biomedical Sciences Graduate Student Awards

The 2012-2013 Biomedical Sciences Graduate Student Awards have been presented to:

- Dr. Antonio Rusiñol—Outstanding Course Director
- Dr. Alok Agrawal—Outstanding Professor

Congratulations! are extended to these individuals for their exemplary contributions to the Biomedical Sciences Graduate program.
Ronald H. Baisden, Ph.D.
Professor

One of the first 1st Year Instructors appointed by the James H. Quillen College of Medicine

After 35+ years of dedicated service, Dr. Ronald H. Baisden will be retiring from the College of Medicine on June 30, 2013.

Dr. Baisden (Ron) has been a well-respected Faculty member of the College of Medicine since 1978, when he joined the Department of Anatomy & Cell Biology as Assistant Professor to teach Clinical Neuroscience. Ron was among the first 1st Year Instructors to be employed by the College of Medicine. In 1980, he was promoted to the rank of Associate Professor, and granted Tenure in 1982. In 1987, he was promoted to the rank of Full Professor. Additionally, he served as Research Consultant in the Department of Surgery, VA Mountain Home, and for the Center for Geriatrics and Gerontology. His passion lies with helping others—having served on the Board of Directors of “Our House,” a non-profit halfway house for the treatment and rehabilitation of persons suffering from the disease of chemical dependency.

Throughout his tenure, Ron has been known best for his love of teaching. He had a positive and rewarding influence on students he taught. This resulted in his receiving the College of Medicine “Teacher of the Year Award” numerous times, “Dean’s Teaching Award,” “Faculty Honor Role” award—just to name a few.

Ron also contributed greatly to the scientific community. He was a dedicated researcher as evidenced by his numerous publications throughout his career. We commend him for his outstanding years of dedicated teaching and service, and for his contributions to the research efforts of the James H. Quillen College of Medicine.

Known for his love of music, in particular New Orleans-Style Jazz, Ron and his band, the “Mudbugs,” perform throughout the Tri-Cities area. Energetic and entertaining, his artistry brings joy to all those around him. May his love for music forever keep him young during his retirement days!

We extend many thanks to Dr. Ron Baisden, Professor, for his numerous years of dedication, commitment, and loyalty to the College of Medicine. We sincerely wish him all the best during his retirement.

Dr. Gregory Ordway
Interim Chair
Department of Biomedical Sciences
RECENT PUBLICATIONS:


RECENT ABSTRACTS:


INVITED PRESENTATIONS BY FACULTY:

**Dr Jeff Ardell,** Professor, has been invited to give an oral presentation at the INS 11th World Congress meeting, to be held in Berlin, Germany, June 8-14, 2013. The subject of Dr. Ardell’s presentation will be, “Neurostimulation for Cardiac Rhythm Disorders: Mechanisms.”

**Dr. Don Hoover,** Professor, will be giving an oral presentation at the 36th Annual Conference on Shock to be held in San Diego, California, May 31-June 5, 2013.

**Dr. Richard M. Kostrzewa,** Professor, has been invited by specific invitation of Professor Masatoshi Takeda, President of the Japanese Society of Biological Psychiatry and Chair, Organizing Committee of WFSB2013KYOTO, to attend the 11th World Congress of Biological Psychiatry Symposium in Kyoto, Japan, June 18-July 2, 2013. The Symposium title is, “Dopamine D2 Receptor Supersensitivity: Impact on Schizophrenia.” Dr. Kostrzewa will present on “Dopamine D2 receptor supersensitization—Effect on dopamine release and actions.” He also plans to visit Dr. Noriaki Koshikawa, Professor/Chair/Dean, Department of Pharmacology at Nihon University School of Dentistry, where he worked in 1996 on a JSPS Fellowship.

**Dr. Richard M. Kostrzewa,** Professor, has been invited to attend the PACAP/Neurotoxicity Conference to be held in Pécs, Hungary, August 22-September 3, 2013. His presentation will focus on the subject of “Evolution of Selective Neurotoxins.”

**Dr. Gregory Ordway,** Professor & Interim Chair, has accepted an invitation to speak at the “Limbric Brain Neuroplasticity in Depression and Suicide” Symposium during the 2013 IASR meeting to be held in Montreal, Canada, June 12, 2013.
GRANT AWARD(S):

**Dr. Paul Monaco, Professor**, has been awarded an RDC Major Grant (14-003M), for his project entitled, “Zebrafish embryos as a model system to investigate how brain chemicals such as serotonin effect the machinery for movement,” $9,925; 7/1/13-6/30/14.

CONFERENCES/WORKSHOPS:

**Dr. Scott Champney, Professor**, attended the 113th General Meeting of the American Society for Microbiology, held in Denver, Colorado, May 18-22, 2013. **Mr. Justin Beach**, Graduate Assistant, also presented a poster at the same meeting: “An Examination Of The Inhibitory Effects Of Antibiotic Combinations On Molecular Targets In Staphylococcus Aureus.”

**Dr. Theresa (Terry) Harrison**, Research Associate Professor, and **Dr. Dennis Defoe**, Professor, attended the Association for Chemoreception Sciences (AChemS) annual meeting in Huntington Beach, CA, April 17-20, 2013. Dr. Harrison presented a poster entitled, *Lgr5 Expression Defines a Set of Progenitors that Give Rise to Both Taste Cells and Keratinocytes of Adult Mouse Circumvallate and Foliate Papillae.* Harrison, Theresa, Anthony M. Downs, Dennis M. Defoe.

**Dr. Theresa (Terry) Harrison**, Research Associate Professor, and **Dr. Dennis Defoe**, Professor, attended the Association for Research in Vision and Ophthalmology (ARVO) annual meeting in Seattle, WA, May 5-9, 2013, jointly presenting a poster on *Morphological Complexity of Mouse Corneal Endothelial Cells Revealed by Mosaic Analysis,* Defoe, Dennis M., Rich, Whitney J., Harrison, Theresa A..

STUDENT NEWS:

**Ms. Hannah Frye**, was selected to receive an APS Integrative & Organismal Physiology (IOSP) Undergraduate Summer Research Fellowship for 2013. Hannah is an Undergraduate Honors Student in the Department of Biology. She has been involved in the laboratory of Dr. Tom Ecay as part of the National Science Foundation (NSF) Research Experiences for Undergraduates (REU) program. Hannah was also awarded a Student-Faculty Collaborative Grant from the Honors College for Summer 2013 for her project entitled, Protein expression as regulated by calcium availability in the embryos of corn snakes.” We congratulate Hannah on her research efforts and in the obtainment of these awards!

UNDERGRADUATE STUDENT “SUMMER RESEARCH SYMPOSIUM:”

An Undergraduate Summer Research Symposium will be held **Thursday, August 1, 2013.** The setting for the symposium is the small auditorium in Stanton-Gerber Hall. Exact scheduling will be determined by the number of students participating. This event is open to all undergraduate students who are active in life science research at ETSU during the summer. More details will be emailed to faculty and students soon.

A National Science Foundation funded Research Experience for Undergraduates (REU) in integrative developmental biology is entering its second year at ETSU this summer. ETSU's REU program was developed by a consortium of six faculty; Drs. Rebecca Pyles and James Stewart of Biological Science and Drs. Donald Hoover, Dennis Defoe, Theresa Harrison and Tom Ecay of Biomedical Sciences. Dr. Pyles is Dean of the Honors College and PI of the NSF-REU grant. Participating students are recruited from colleges that traditionally have few opportunities for undergraduate research. Applications from students that identify as under-represented minorities or come from economically disadvantaged communities are encouraged. The program offers students 10-week research projects in the developmental neurobiology of sensory and autonomic systems (Defoe, Harrison and Hoover) or in the developmental physiology of embryonic nutrition (Pyles, Stewart and Ecay). The six students participating in the summer 2013 program were selected from more than 100 applications and are coming to the ETSU campus from Minnesota, New Jersey, Rhode Island, Alabama, Massachusetts, and North Carolina. For more info see: [http://www.etsu.edu/honors/research/REUprojects.asp](http://www.etsu.edu/honors/research/REUprojects.asp), or check this out on Facebook: [https://www.facebook.com/groups/272160326233241/](https://www.facebook.com/groups/272160326233241/)
**Important Notice!!**

The Biomedical Sciences Seminar Committee is soliciting suggestions for seminar speakers for the Summer and Fall sessions.

Please provide suggestions and email addresses of individuals, along with a brief summary of their research, to Dr. Mike Kruppa at Kruppa@etsu.edu. This information is needed by June 30, 2013, so that invitations to speakers can begin in July.

The Biochemical Nature of Disease Journal Club meets at noon on Thursdays and is a brown bag lunch. Topics are of the speaker's choosing. The paper to be discussed is sent via email on Monday. Topics that have been discussed thus far related to antibiotic resistance, autophagy, translation control, DNA repair, lipid metabolism, apoptosis, mechanisms of cancer, heart disease and neuropathology.

Interested individuals should contact Dr. Sharon Campbell to schedule a presentation time.

The S.O.S. (Sharing of Science) Research Roundup meetings will resume again in the Fall 2013.

Anyone interested in being a presenter, should contact Dr. Mike Kruppa, Seminar Committee Chair, to schedule a date.

Microbiology Journal Club — Meets Alternating Thursdays at 9 a.m.—Year round except holidays.
Faculty Contact: Dr. Robert Schoborg.

Pharmacology Graduate Students Journal Club — Meets Mondays at 3:30 pm, Building 1, Room B06.
Faculty Contact: Dr. Don Hoover.

To schedule a seminar, contact Dr. Mike Kruppa, Seminar Committee Chair and Cindy Canter, Coordinator.
PHASE IV of Building 119 Renovation Project Progresses...

ETSU ANNUAL STAFF PICNIC – 2013

(Crystal Maupin, and Daughter, Julie, Win 2nd Place in “Blue & Gold” Contest)

With imagination and craftsmanship, Crystal Maupin, and her daughter, Julie, won 2nd Place in the “Blue and Gold” Contest at the Annual ETSU Staff Picnic, held on Friday, May 24, 2013.

With Pirate (Bucky) boots made out of duct tape, jeans painted with blue and gold stripes, blue and gold eye shadow and some bold black eye liner, blue sparkly fingernails, a pirate hat with added white fur and blue/gold feathers, Crystal and her daughter, Julie, transformed into ETSU Bucky Pirates for the day!

Crystal, Information Research Technician, joined the Department of Biomedical Sciences in March of this year. She attended University School located on the ETSU Campus. She also earned a Bachelor’s degree in Business Administration at ETSU. Crystal contributes her long-term affiliation with ETSU as one of the main reasons she has pursued a career here. Crystal remarks, “I am very proud to represent the Blue and Gold of ETSU, and overall Julie and I had a blast at the picnic. I am already looking forward to the contest next year! Go BUCS!”

Congratulations to Crystal and Julie on a job well done!!