

# BRAIN WAVES

Volume 3, Issue 9  
October 4, 2006

## DEPARTMENT ADMINISTRATOR ANNOUNCED

Please welcome **Julie Poole**, MBA in her new role of Department Administrator!

Julie has already served our department for the last three years as a team leader and financial analyst. She is quite familiar with our business procedures and looks forward to ever improving departmental operations.

We are excited to continue our good working relationship with Julie. We also hope that this new role offers her interesting challenges and opportunities.

CONGRATULATIONS, JULIE!



DON M. GASH, PH.D.  
CHAIR, ANATOMY & NEUROBIOLOGY,  
DIRECTOR MRISC

### INSIDE THIS ISSUE:

ICE CREAM SOCIAL PICTURES	3
PROFESSIONAL ANNOUNCEMENTS	4
AWARDS	5
EMPLOYEE OF THE QUARTER	7
AVAILABLE TRAINING	8

## SAYING GOODBYE TO EUDORA

For many years staff and faculty at the University of Kentucky have used the Eudora email client as their primary tool for email management. This has worked just fine for most people who use a U-Connect email account. As technology changes and schedules get more hectic, people often need more than just a way to keep track of email. Increasingly there is a need to also manage contacts and calendars in conjunction with electronic communication. Unfortunately, Eudora just can't live up to these demands.

This is where Microsoft Exchange and Outlook step in to fill in the blanks. Exchange provides for full Personal Information Management (PIM) by integrating email with contacts, calendar and task lists. The best part is all the information is stored on the Exchange server. Outlook then allows the user to access all this information by synchronizing with the Exchange server. For those times when a user may not be able to use his or her own computer there is Outlook Web Access which provides an interface that's strikingly similar to Outlook.

In an effort to facilitate the transfer of electronic information the College of Medicine will soon require all COM faculty and staff to use an Exchange email account as the primary tool for electronic communications. In addition, all computers will need to be joined to the MC active directory. Look for these two requirements to be implemented by the end of the year. If you have questions about this or anything related, please email Joey Rose at [joey@uky.edu](mailto:joey@uky.edu).

### SPECIAL POINTS OF INTEREST:

- The Faculty Meeting is scheduled for Friday, October 13 at Noon in MN 136.
- We need your nominations for Employee of the Quarter. See Page 5.

## KENTUCKY STATE GROWTH

The Laboratory of Dr. Greg Gerhardt had a visit this past month to discuss Kentucky state growth and development through collaborations between industry and the University of Kentucky. Gene Strong from the State Economics Development Office; Luthor Deaton, the President of Central Bank; and Dr. Lee Todd, president of UK were in attendance. They were quite interested and receptive to Dr. Gerhardt's research.



### FACULTY MEETING HIGHLIGHTS

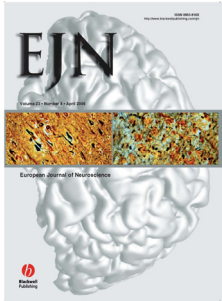
- 1.4% Mid-fiscal year raise—Occurs only on state line salaries, justifications must be provided for each raise, the raises are based on equity and merit with a focus on junior faculty members
- Wethington Awards Changes—they will be 30% if half the faculty salary is brought in in grants and contracts, if over half the salary is brought in the award will be over 30% to a cap of \$50,000.
- Recruitment—We currently have 3 positions open: two regular title series and one special title series. Ads will be placed in print and online at *Nature* and *Science*.
- Indrapal Singh ([indrapal.singh@uky.edu](mailto:indrapal.singh@uky.edu)) is organizing Grand Rounds for the faculty as part of the departmental seminar series. The faculty presentations will be used to inform people about current research projects.
- Please be sure to route Internal Approval Forms (as a PI/Co-PI) through the business office. Julie Poole and Julie Quinn will save them electronically so they do not get misplaced as they are routed. Contact Julie Poole at [japoole@email.uky.edu](mailto:japoole@email.uky.edu) for further information.

# ICE CREAM SOCIAL



## Professional Announcements

### Publications



**Randy L. Hunter**, Natasa Dragicevic, Kristen Seifert, **Dong Young Choi**, **Mei Liu**, **H o u n g - Chun Kim**, **Wayne A. Cass**, **Patrick G. Sullivan**, **Guoying Bing**. Inflammation induces mitochondrial dysfunction and dopa-

minergic neurodegeneration in the nigrostriatal system. *Journal of Neurochemistry*, in press.

**Stein, PA, Scheff S**, Dawson DR. Alzheimer's disease and periodontal disease: mechanisms underlying a potential bidirectional relationship. *Grand Rounds in Oral Systemic Medicine*, September 2006 1, 14-24.

**Duncan, M.J.** (2006) Aging of the mammalian circadian timing system: Changes in the central pacemaker and its regulation by photic and nonphotic signals". *Neuroembryology and Aging*, in press.

**Kurt F. Hauser**, **Nazira El-Hage**, Anne Stiene-Martin, William F. Maragos, Avindra Nath, Yuri Persidsky, David J. Volsky, and **Pamela E. Knapp**. HIV-1 neuropathogenesis: Glial mechanisms revealed through substance abuse. *Journal of Neurochemistry*, In Press.

**Tian-Yong Zhao**, **Shi-Ping Zou** and **Pamela E. Knapp\***. Exposure to Cell Phone Radiation Up-Regulates Apoptosis Genes in Primary Cultures of Neurons and Astrocytes. *Neuroscience Letters*, In Press.

**Dey, S.**, Mactutus, C.F., Booze, R.M., and **Snow, D.M.** Prenatal cocaine exposure induces apoptosis in locus coeruleus neurons *in vitro* by altering the bax/bcl-2 ratio and through caspase-3 apoptotic signaling. In press, *Neurosci*.

Salvatore MF\*, **Ai Y\***, Fischer B, Zhang AM, **Grondin RC**, **Zhang Z**, **Gerhardt GA**, **Gash DM**. [\*Both authors contributed equally to this manuscript]. Point source concentration of GDNF may explain failure of phase II clinical trial. *Exp Neurol*. 2006 Sep 6; [Epub ahead of print]

**Zhang Z**, **Andersen AH**, **Ai Y**, Loveland A, Hardy PA, **Gerhardt GA**, **Gash DM**. Assess-

### Publications

ing nigrostriatal dysfunctions by pharmacological MRI in parkinsonian rhesus macaques. *Neuroimage*. 2006 Aug 29; [Epub ahead of print]

Nickell J, Salvatore M, **Pomerleau F**, Apparundaram S, **Gerhardt GA**. Reduced plasma membrane surface expression of GLAST mediates decreased glutamate regulation in the aged striatum. *Neurobiol Aging*. 2006 Sep 5; [Epub ahead of print]

Thompson SN, Gibson TR, Thompson BM, **Deng Y**, **Hall ED**. Relationship of calpain-mediated proteolysis to the expression of axonal and synaptic plasticity markers following traumatic brain injury in mice. *Exp Neurol*. 2006 Sep;201(1):253-65.

Yakovleva T, Bazov I, Cebers G, Marinova Z, Hara Y, Ahmed A, Vlaskovska M, Johansson B, Hochgeschwender U, **Singh IN**, **Bruce-Keller AJ**, Hurd YL, Kaneko T, Terenius L, Ekstrom TJ, **Hauser KF**, Pickel VM, Bakalkin G. Prodynorphin storage and processing in axon terminals and dendrites. *FASEB J*. 2006 Sep 11; [Epub ahead of print]

**El-Hage N**, **Wu G**, Ambati J, **Bruce-Keller AJ**, **Knapp PE**, **Hauser KF**. CCR2 mediates increases in glial activation caused by exposure to HIV-1 Tat and opiates. *J Neuroimmunol*. 2006 Sep;178(1-2):9-16.

**Liu X**, Wang H, **Corbly CR**, Zhang J, **Joseph JE**. The Involvement of the Inferior Parietal Cortex in the Numerical Stroop Effect and the Distance Effect in a Two-digit Number Comparison Task. *J Cogn Neurosci*. 2006 Sep;18(9):1518-30.

### Announcements

Congratulations to **Michelle Stephens** and **Pooja Talauliker** from Dr. Greg Gerhardt's lab for passing their qualifying exams on September 12th and September 26th, respectively. They are now truly on their way to receiving their PhD's! WELL DONE!



### Announcements

Drs. **Ed Hall** (PI) and **Greg Gerhardt** (Co-PI) were awarded a five year NIH T32 training grant "Therapeutic Strategies for Neurodegeneration."

Drs. **Jim Geddes** (PI) and John Slevin (Co-PI), were awarded a two year NIH R25 grant to develop a new course, "Mechanisms of Neurologic Disease."



**Homer and Karen Combs**

In memoriam of **Homer and Karen Combs**, Lexington residents and System Designs, Inc. employees, their family asked that donations be made to the Morris K. Udall Parkinson's Disease Research Center of Excellence. The Combs' were victims of Comair Flight 5191. You may view their obituaries at <http://www.sdgky.com/obits.php>.

The Udall Center is truly grateful for receiving this honor. We would like to thank the friends and family of Mr. and Mrs. Combs who have donated over \$10,000.

You cannot do a kindness too soon, for you never know how soon it will be too late.

~Ralph Waldo Emerson

## Departmental Birthdays



### October

10-4 ~ Becca Haggard

10-5 ~ Jordan Revlett

10-16 ~ Dr. George Quintero

10-23 ~ Jeremiah Gates

## 2006 DEPARTMENT BASHES

### SEPTEMBER—ICE CREAM SOCIAL

Thursday, September 7  
(HSRB Atrium)

### OCTOBER—FALL CHILI COOK-OFF

(Location and Date TBA)

### DECEMBER—WINTER HOLIDAY

POTLUCK

(HSRB Atrium, Date TBA)

### THE ANNUAL HOLIDAY PARTY

Saturday, December 9  
(Crown Plaza Campbell House)

## Awards

### Employee of the Quarter



Please congratulate **François Pomerleau** and **Julie Poole** who won Employee of the Quarter for the first and second quarter respectively. They



have both demonstrated service above and beyond the call of duty. **GREAT JOB, FRANÇOIS AND JULIE!**

### From the Dean's Newsletter: 2006 UK COM Alumni Association Awards

The Honorary Alumnus Award recognizes someone who has a present or prior association with the College and who has performed dedicated and distinguished service, which has made him or her a notable and important part of the College. The 2006 recipients are Loman Trover, M.D., and **Brian MacPherson, Ph.D., professor of Anatomy and Neurobiology.**



### Awards Day 2006



**Dr. Pamela Stein** received an Abraham Flexner Master Educator Award.

**Dr. Bruce Maley** received the Silver Podium Award for the Outstanding First Year Course.



**Dr. Jennifer Brueckner** received the Silver Pointer award for the third year in a row presented by Mehar Mehrizi.

**Ashley Wells Hunter** received the William H. Knisely Award for Exceptional Achievement in Anatomy presented by Dr. Brian MacPherson.



## 2006-2007 GRAND ROUNDS AND SEMINAR SERIES

ALL SEMINARS WILL BE HELD IN MN263 UNLESS OTHERWISE NOTED

### September

- 14 **Dr. Kyungsoon Chang Chung** (Faculty Candidate) “The Role of ROS in Central Sensitization and Pain” (MN 363)
- 25 **Dr. Don M. Gash** (Grand Rounds) “Trichloroethylene- an Environmental Neurotoxin for Parkinson’s Disease”

### October

- 9 **Dr. Jinhui Chen** (Grand Rounds) “Molecular Mechanisms Regulating Neurogenesis in the Adult Hippocampus”
- 11 **Matt Joyce** (Defense Seminar) “Neurochemical Studies of Attention-Deficit/Hyperactivity Disorder Medications in the Striatum and Nucleus Accumbens of the Fisher 344 Rat”
- 23 **Dr. Anna Bruce-Keller** (Grand Rounds) “Complicated Relationships: Oxidation and Inflammation in the Brain and Beyond”
- 30 **Dr. Jeff Keller** (Grand Rounds) Protein synthesis, degradation and oxidation in aging and disease.

### November

- 6 **Dr. Greg Gerhardt** (Grand Rounds)
- 13 **Dr. Jane Joseph** (Grand Rounds)
- 20 Lesley Gilmer
- 27 **Dr. Ed Hall** (Grand Rounds)

### December

- 4 Michelle Stephens
- 11 Aashish Joshi
- 18 (available)

### January

- 8 **Dr. Kurt Hauser** (Grand Rounds)
- Tues.** 16 Joshua Fuqua/ Ayman Mustafa
- 22 Theresa Currier- Thomas
- 29 **Dr. James W. Geddes (NS-115)** (Grand Rounds)

### February

- 5 Kristen Kelps/ Yun Kyung Hahn
- 12 (available)
- 26 (available)

### March

- 5 Yiqin Xiong
- 12 **Dr. Patrick G. Sullivan** (Grand Rounds)
- 19 Kevin Hascup
- 26 Lamin Mbye

### April

- 2 Laurie Davis
- 16 Pooja Talauliker
- 23 Dong Young Choi
- 30 Sarah Martin

### May

- 7 Jordan Clark
- 14 Andrew Sauerbeck/(available)
- 21 April Richardson (MN 463)

# Employee of the Quarter Nomination Form

The Quarterly Employee Awards are will be announced at the Departmental Bashes - May (for nominations submitted January through March); August (April through June); October (July through September) and December (October through December). The Employee of the Year Award will be selected from the winners throughout the year and will be announced annually at the Annual Holiday Potluck. **Due to Avalon Sandoval or Julie Quinn November 27, 2006.**

When considering someone for the award, think of the individual who has made your job easier or assisted you in performing your job. To complete the nominations please complete the following questions. Use additional paper or the back of this if necessary.

Date: \_\_\_\_\_ Candidate: \_\_\_\_\_

Nominator: \_\_\_\_\_

Is this individual a regular full-time employee in the Department of Anatomy & Neurobiology? \_\_\_\_\_ Yes \_\_\_\_\_ No

1. What attributes or actions make this individual worthy of your nomination? Give examples.

2. How is this individual an asset to the Department of Anatomy & Neurobiology? Give examples.

3. How have you seen this individual contribute to the UK and/or greater community? Give examples.

4. With 1 = average and 5 = outstanding, please rank the nominee in the following areas:

Quality of work: 1 2 3 4 5

Attitude toward performing job duties: 1 2 3 4 5

Problem solving skills: 1 2 3 4 5

Willingness to help others: 1 2 3 4 5

Service to the department/university: 1 2 3 4 5

Submit to Avalon Sandoval in 305 Whitney-Hendrickson, 0098 Phone: 257-5036

# ANATOMY & NEUROBIOLOGY

MN 225 Medical Sciences Building  
Lexington, KY 40536-0298  
Phone: 859-323-5155  
Fax: 859-257-6700

<http://www.mc.uky.edu/neurobiology/>

Please send comments & submissions to Avalon Sandoval at [asand1@email.uky.edu](mailto:asand1@email.uky.edu) or call 859-257-5036.

**The Next Deadline is October 23, 2006**

## Available Training

### Training for the Labs

The University requires safety training classes to be completed before beginning certain types of work. The requirements apply to all individuals involved in the covered work, including faculty, staff, students, postdocs, visiting researchers and volunteers. To find out what classes you need to take, consult the [Training Checklist](#).

**NOTE:** Anyone who works with chemicals in a laboratory **must** complete the following three classes: Chemical Hygiene Plan/Laboratory Safety, Hazardous Waste, and Fire Extinguisher Use.

### Chemical Hygiene Plan/Lab Safety

This class is available [online](#).

**Bloodborne Pathogens** This class is available upon request and [online](#).

**Hazardous Waste** This class is available [online](#).

**Initial Radiation Safety:** Initial Radiation Safety (~ 15 minutes total) is offered every day at 1:30 pm at the Radiation Safety Office, 102 Animal Pathology Building (other times can be arranged). You must bring two completed forms with you: On-Site Radiation Safety Training Form and Radiation Worker Registration Form, both signed by your Authorized User or unit supervisor. If you have questions, contact Tracy Cayson at 323-6777.

### Basic Radiation Safety

Oct 23 1-4p Rm. NURS504  
Nov 22 1-4p Rm. NURS214  
Dec 12 9a-12p Rm. NURS214  
Jan 22 9a-12p Rm. NURS214

Feb 23 1-4p Rm. NURS214

Mar 22 9a-12p Rm. NURS214

**Advanced Radiation Safety** is only available [online](#).

**Fire Extinguisher Use** is available [online](#).

**NOTE:** *Online courses can only be taken using a UK computer.*

**Corporate Compliance Training** is a **MANDATORY** training for all individuals who receive a paycheck from the UK Medical Center. It is only offered from 3:00–3:30 p.m. during the UK Hospital Orientation. Ignoring this requirement can result in dismissal from employment at the University of Kentucky.

**Preventing Sexual Harassment** is also a **MANDATORY** training. This training can be done online at (<http://training.newmedialearning.com/psh/ukentucky/index.htm>). Remember to print your certificate when complete; sign it and turn it in to Dalene to be placed in your personnel file.

Ignoring these MANDATORY trainings can result in dismissal from employment at the University of Kentucky

### Human Resources

#### Development course offerings

<http://hr.uky.edu/TandD/welcome.php>

10-4 ~ Basics of Leadership  
10-4 ~ Handling Anger in the Workplace  
10-5 ~ Following with Courage and Commitment

10-5 ~ Principles of Effective Writing  
10-6 ~ Mediating Workplace Conflict  
10-9 ~ Building a Climate of Trust  
10-11 ~ Group Problem Solving  
10-12 ~ Presenting Effectively Day 1  
10-19 ~ Presenting Effectively Day 2  
10-23 ~ Thinking Critically  
10-25 ~ Communicating Across Cultures  
10-30 ~ Managing Staff Conflict  
11-10 ~ Teamwork in a Changing Workplace  
11-15 ~ Principles of Effective Writing  
11-16 ~ Gender Styles in Communication



**All the world is a laboratory to the inquiring mind.**

**~ Martin H. Fischer**