

BRAIN WAVES

Volume 5, Issue 1
February 18, 2008

STATE OF THE DEPARTMENT

I am pleased to report that even in these difficult times with the stagnant NIH budget and state fund decreases the State of the Department is outstanding. Our research funding has increased by 10% this year. Our tradition of exceptional committed teaching continues. Our strength lies in the intellect, expertise, integrity and commitment of our people. And through the efforts of our faculty, staff and students, our accomplishments over the past year place us solidly in the top 20 Anatomy Departments in Public Institutions. While statistics and numbers tell only part of the story, they do document achievements of which we can all be proud.

2007 DEPARTMENT ACCOMPLISHMENTS

1. Successively recruited four outstanding new faculty members: Drs. Zhiming Zhang and Richard Grondin in the Regular Title Series and Drs. Stephen Onifer and Chen-Guang Yu in the Research Title Series.
2. Anatomy ranked 3rd nationally for the second consecutive year in productivity among Public Universities as reported in the Chronicle of Higher Education.
3. Dr. Jennifer Brueckner, received COM Silver Pointer Award (for best first-year instructor) for the fourth year in a row.
4. Dr. Pamela Stein received the Abraham Flexner Master Educator Award for Faculty Development in Education.
5. Gross Anatomy received the COM Silver Podium Award (best first-year course) for the fourth year in a row with Bruce Maley as Course Director.
6. I received the William R. Willard Dean's Recognition Award (significant and long standing dedication to medical education).
7. Increased research funding from NIH, NSF, Biotechnology Industry, and Foundations from \$6,773, 542 to \$7,491,354 (as of 10-1-07).
8. Four graduate students successfully defended their theses, and received their PhD. One graduate student received a Master's degree

2008 DEPARTMENT GOALS

1. Recruit four outstanding new faculty members, two in the Regular Title Series and two in the Special Title Series
2. Maintain a fiscally sound department with an 8% growth in research funding. The growth is expected to come in Program Project Grants and Research Contracts with Pharmaceutical Companies like Medtronic, Johnson & Johnson, Pfizer and Eli Lilly.
3. Bring the new, improved Medical Neuroscience Course MD 817, lecture and laboratory sections online.
4. Address the major concerns from the Six-year Review of the department in the graduate program, the department seminar program and in faculty citizenship.

~ Dr. Don Gash



DON MARSHALL GASH, PH.D.
CHAIR,
ANATOMY & NEUROBIOLOGY

VITAL STATISTICS	2006	2007
FACULTY MEMBERS	31	29
GRADUATE STUDENTS	24	24
POSTDOCTORAL SCHOLARS	10	11
STAFF MEMBERS	60	53
PEER REVIEWED PAPERS	187	153
NIH STUDY SECTION MEMBERS	21	19
NATIONAL AND INTERNATIONAL PRESENTATIONS	75	54

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SPECIAL POINTS OF INTEREST:

THE FACULTY MEETING WILL BE HELD MONDAY, FEBRUARY 18 AT 4:00PM IN MN 263.

CREDIT NOTICE

Recently some incidents occurred in our department where either a departmental procard was compromised or personal information (previously compromised) was used to commit credit card fraud.

Please be sure to keep your departmental procards in a secure place. Also be sure that if you do share the number with your lab members for purchasing that they also have kept it secure.

As there have been instances in the past of personal information being compromised at the university and department level, please be sure to periodically review your credit report. A credit fraud alert may be placed on your account for 90 days. In instances where credit fraud has occurred a 7 year alert will automatically be placed on your credit report.

For more information please see the Federal Trade Commission websites for credit cards and rights:

<http://www.ftc.gov/bcp/online/pubs/credit/cards.shtm>

<http://www.ftc.gov/bcp/menus/consumer/credit/rights.shtm>

SURPLUS NOTICE

DO NOT

PLACE ANY EQUIPMENT FOR SURPLUS IN THE HALL

THIS IS A SAFETY VIOLATION

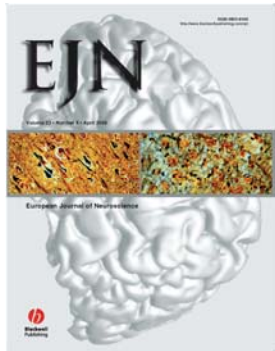
Another concern is security, as the item could be stolen. If it is in the equipment inventory database, a memo explaining what happened and why it must be claimed as lost will have to be prepared. This is a *great* deal of paperwork that can easily be avoided.

If you have any questions, please contact
KIM WILKIRSON at kdwilk1@email.uky.edu or 323-6926.

Professional Announcements

Publications

Cothron KJ, Massey JM, **Onifer SM**, Hub-scher. Identification of Penile Inputs to the Rat Gracile Nucleus. *Am J Physiol Regul Integr Comp Physiol*. 2008 Jan 2; [Epub ahead of print]



Gash DM, Rutland K, Hudson NL, **Sullivan PG**, **Bing G**, Cass WA, **Pandya JD**, Liu M, **Choi DY**, **Hunter RL**, **Gerhardt GA**, Smith CD, Slevin JT, Prince TS. Trichloroethylene: Parkinson-

ism and complex 1 mitochondrial neurotoxicity. *Ann Neurol*. 2007 Dec 21; [Epub ahead of print]

Hascup KN, Hascup ER, **Pomerleau F**, **Huettl P**, **Gerhardt GA**. Second-by-second measures of L-glutamate in the prefrontal cortex and striatum of freely moving mice. *J Pharmacol Exp Ther*. 2008 Feb;324(2):725-31. Epub 2007 Nov 16.

Burmeister JJ, **Pomerleau F**, **Huettl P**, Gash CR, Werner CE, Bruno JP, **Gerhardt GA**. Ceramic-based multisite microelectrode arrays for simultaneous measures of choline and acetylcholine in CNS. *Biosens Bioelectron*. 2007 Dec 23; [Epub ahead of print]

Mbye LH, **Singh IN**, **Sullivan PG**, Springer JE, **Hall ED**. Attenuation of acute mitochondrial dysfunction after traumatic brain injury in mice by NIM811, a non-immunosuppressive cyclosporin A analog. *Exp Neurol*. 2008 Jan;209(1):243-53. Epub 2007 Oct 5.

Davis LM, Pauly JR, **Readnower RD**, Rho JM, **Sullivan PG**. Fasting is neuroprotective following traumatic brain injury. *J Neurosci Res*. 2008 Feb 1; [Epub ahead of print]

Badugu R, Garcia M, Bondada V, **Joshi A**, **Geddes JW**. N terminus of calpain 1 is a mitochondrial targeting sequence. *J Biol Chem*. 2008 Feb 8;283(6):3409-17. Epub 2007 Dec 10.

Xing B, Xin T, **Hunter RL**, **Bing G**. Pioglitazone inhibition of lipopolysaccharide-induced nitric oxide synthase is associated with altered activity of p38 MAP kinase and

Publications

PI3K/Akt. *J Neuroinflammation*. 2008 Jan 18;5(1):4 [Epub ahead of print]

Hunter RL, **Choi DY**, Ross SA, **Bing G**. Protective properties afforded by pioglitazone against intrastratial LPS in Sprague-Dawley rats. *Neurosci Lett*. 2008 Jan 18; [Epub ahead of print]

Announcements

Drs. **Marilyn Duncan** and Sandra Legan (Dept. of Physiology) are dual PIs of a new R01, "Multiple circadian oscillators: Regulation of a neuroendocrine rhythm", from the National Institute of Neurological Disorders and Stroke, project period: 12/15/07-11/30/12, total project costs: \$1,553,978.



Bin Xing, Tao Xin, **Randy Hunter** and **Guoying Bing**'s paper "Pioglitazone inhibition of lipopolysaccharide-induced nitric oxide synthase is associated with altered activity of p38 MAP kinase and PI3K/Akt" in the *Journal of Neuroinflammation* is one of the top 5 accessed articles this past month.

Presentations

Laurie Davis' abstract "Acute post-injury fasting is neuroprotective following traumatic brain injury: potential mechanisms and implications for treatment" has been accepted for the upcoming INTERNATIONAL SYMPOSIUM ON DIETARY THERAPIES FOR EPILEPSY AND OTHER NEUROLOGICAL DISORDERS, which will be held April 2-5, 2008 at the Ritz-Carlton Hotel in Phoenix, Arizona. She has also received travel funding from the conference in order to attend.

Presentations

The following Anatomy department members participated in the 41st Winter Conference on Brain Research - Snowbird, Utah January 26th—February 1st, 2008:

- Panel Title: The Challenge of Modeling and Therapeutic Development for Mild TBI. **Dr. Edward D. Hall** - Chair; **Dr. Jonathan Lifshitz** - Speaker "Mild TBI Morbidity & Neuropathology."
- Panel title: Neurobiology of Aging Is Going to the Dogs. **Dr. Patrick Sullivan** Speaker "Mitochondrial Aging: Implications for Mitochondrial Bioenergetics and Homeostasis in the Non-Human Primate Brain" and "Mitochondrial Aging: Implications for Mitochondrial Bioenergetics and Homeostasis in the Canine Brain. From Rat to Canine to Human!"
- **Peter Huettl** presented the poster "What Affects Resting Glutamate Levels in Striatum and Prefrontal Cortex of Awake Rats and Mice?" Peter Huettl*, Erin R. Hascup, Kevin N. Hascup, Francois Pomerleau, Kirk W. Johnson and Greg A. Gerhardt..

We are all a little weird and life's a little weird, and when we find someone whose weirdness is compatible with ours, we join up with them and fall in mutual weirdness and call it love.

~ Author Unknown ~

<h2>Departmental Birthdays</h2>	<h2>Comings and Goings</h2>
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January

February



Please welcome the following new members of the department:

- Dr. Diane Snow ~ 1/3
- Dr. Marilyn Getchell ~ 1/11
- Dr. Wayne Cass ~ 1/12
- Dr. Jennifer Brueckner ~ 1/27
- Theresa Currier Thomas ~ 1/27

- Josh Fuqua ~ 2/4
- Stewart Surgener ~ 2/5
- Kim Wilkerson ~ 2/6
- Dr. Brian Gold ~ 2/11
- Dr. Guoying Bing ~ 2/13
- Kathy Franklin ~ 2/14
- Joey Rose ~ 2/19
- Dalene Rice ~ 2/25

- Amy Wilson**
Sr. Lab Tech, Duncan lab
- Adam Heck**
Student Lab Tech, Joseph lab
- Jack Athanas**
Student worker, Gerhardt lab
- Emily Cottrell**
Student worker, Gerhardt lab

Employee of the Quarter

THE EMPLOYEE OF THE QUARTER

COMMITTEE NEEDS YOUR NOMINATIONS!!



Please submit your nominations to either

Melissa Jones or Joey Rose

melissa.jones@uky.edu

or

joey@uky.edu

The nomination form is located on the next page.

THE EMPLOYEE OF THE QUARTER COMMITTEE NEEDS YOU!

We are currently looking for two graduate students, two faculty members, and one laboratory staff member to be a part of the award committee.

JOIN US!

It is a **TINY** time commitment to help the department honor our hardworking staff!

To volunteer contact **Melissa Jones** (melissa.jones@uky.edu or 3-5276)

Employee of the Quarter Nomination Form

The Quarterly Employee Awards are will be announced in 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 the following January.

Please submit nominations to Joey Rose or Melissa Jones ASAP.

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 Melissa Jones in 305 Whitney-Hendrickson Bldg. 0098 Phone: 323-5276

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 asandl@email.uky.edu or call 859-257-5036.

The Next Deadline is February 28, 2008

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, postdoctoral scholars and fellows, 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 TBA

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 **MANDATORY** for employees working in the UK hospital or medical center. All HR Temporary Employment employees are required to view the Corporate Compliance video in orientation. For more information, please visit the UK [Corporate Compliance Program](#) Web site.

Preventing Sexual Harassment is also a **MANDATORY** training. This training can be done online at (<http://training.newmedialearning.com/psb/ukentucky/index.htm>). Remember to print your certificate when complete; sign it and turn it in to Dalene Rice (305 Whitney-Hendrickson) 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>

- 2-20 ~ Deploying a Policy
- 2-21 ~ Managing Across Generations
- 2-22 ~ Resolving Workplace Conflict
- 2-27 ~ Making a Strategic Plan
- 2-29 ~ Managing Staff Conflict
- 2-29 ~ Navigating the Web
- 3-4 ~ Communicating with Success
- 3-7 ~ Personality Differences
- 3-7 ~ Excel 2007 Level I
- 3-17 ~ Communicating Across Cultures
- 3-19 ~ Facing the Challenge of Change
- 3-21 ~ Travel Program
- 3-21 ~ Trip Manager
- 3-24 ~ Getting to Know Office 2007
- 3-26 ~ Handling Anger in the Workplace
- 3-28 ~ Personal Decision Making

*All the world is a
laboratory
to the inquiring mind.
~ Martin H. Fischer ~*

