Newsletter Spotlight

- Important Dates
- Major Requirements/Fellowships
- Course Offerings
- Employment/Volunteer Opportunities
- More Opportunities

Neuroscience People

Congratulations!

Hana Bakalli
accepted to
University of Pittsburgh
School of Medicine
&

Elizabeth O’Neil
accepted to
Temple University

Tell us your good news! Click here

Neuro Club hosts “Quiet Study Room”
for final exam prep
Wednesday, December 8th, 2010, 6-9PM A219B Langley Hall
Refreshments provided.

Welcome Winter

To remove your name from our mailing list, please click here.
### Important Dates

**December 2010**

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 Hanukkah begins at sunset</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10 Deadline to register for spring w/o penalty</td>
</tr>
<tr>
<td>Finals Week</td>
<td>11</td>
<td></td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>19 Residence Halls Close/ Winter recess begins</td>
<td>20</td>
<td>Winter Solstice</td>
<td>21</td>
<td>22</td>
<td>23 Fall term grades available online</td>
<td></td>
</tr>
<tr>
<td>26 Kwanzaa</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>New Years Eve</td>
</tr>
<tr>
<td>18 December Graduation Ceremony</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Christmas Day</td>
</tr>
</tbody>
</table>

#### Fall Term 211

- **December 10, 2010**: Deadline to register for spring w/o penalty
- **December 12—18, 2010**: Finals Week
- **December 18, 2010**: Fall Term Ends
- **December 19, 2010**: Residence Hall Close
- **December 19, 2010—January 4, 2011**: Winter Recess for students (no classes)
- **December 23, 2010**: Fall term grades available online
- **January 5, 2011**: Spring term classes begin
Major Requirements

Students must complete BIOSC 0150, BIOSC 0160, CHEM 0110, and CHEM 0120 with a grade of C or better (not C-) in order to declare Neuroscience as a major. Students must earn a B– or better in Intro to Neuroscience in order to continue in the major. To graduate with a BS degree in Neuroscience, students must maintain a 2.0 GPA in major courses and in co-requisite courses.

Departmental Honors

Departmental Honors are awarded to students who have achieved outstanding academic success. To qualify for this distinguished honor, a minimum overall GPA of 3.25, a minimum Neuroscience GPA of 3.25, and a substantial amount of approved Neuroscience research must be conducted. Additionally, students are required to give a public presentation of their research. Eligible students must then pass a faculty review.

Capstone Requirement

Students who have matriculated to A & S since Fall of 2007 must complete a capstone experience. For more information, please contact the advising office via email or call 412-624-5156.

Fellowship Opportunities

University of Pittsburgh Fellowships

Brackenridge Undergraduate Summer Research Fellowship
Research participants receive a monthly $800 stipend to assure their freedom from the need to work during the summer.

Chancellor’s Undergraduate Research Fellowship
$600 one-term stipend for undergraduate students engaged in research.

Chancellor’s Undergraduate Teaching Fellowship
$600 one-term stipend for undergraduate students engaged in teaching with a faculty member.

Apply for Fellowships Early!

STUDENTS

Please remember to request a grade change form be submitted upon completion of course work in classes where a “G” grade was entered. Also, a course repeat form must be submitted when courses are taken more than once.
<table>
<thead>
<tr>
<th>Catalog</th>
<th>Title</th>
<th>Cr</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instr</th>
</tr>
</thead>
<tbody>
<tr>
<td>11032</td>
<td>NROSCI 0080 Brain and Behavior</td>
<td>3</td>
<td>Tu, Th</td>
<td>2:30-3:45</td>
<td>LANGY A221</td>
<td>Drill</td>
</tr>
<tr>
<td></td>
<td>Review</td>
<td></td>
<td>F</td>
<td>10:00-10:50</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>25345</td>
<td>NROSCI 0080 Brain and Behavior</td>
<td>3</td>
<td>Sat</td>
<td>9:30-11:55AM</td>
<td>CL 208A</td>
<td>Drill</td>
</tr>
<tr>
<td>11610</td>
<td>NROSCI 0081 Drugs and Behavior</td>
<td>3</td>
<td>MWF</td>
<td>10:00-10:50</td>
<td>CLAPP L-9</td>
<td>Buffalari</td>
</tr>
<tr>
<td></td>
<td>Review</td>
<td></td>
<td>W</td>
<td>12:00-12:50</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>10317</td>
<td>NROSCI 1000 Intro to Neuroscience</td>
<td>3</td>
<td>Tu, Th</td>
<td>4:00-5:15</td>
<td>CL 324</td>
<td>Stricker</td>
</tr>
<tr>
<td></td>
<td>Review</td>
<td></td>
<td>F</td>
<td>1:00-2:25</td>
<td>TBA</td>
<td>Stricker</td>
</tr>
<tr>
<td>10716</td>
<td>NROSCI 1003 UHC Intro to Neuroscience</td>
<td>4</td>
<td>Tu, Th</td>
<td>4:00-5:15</td>
<td>CL 324</td>
<td>Stricker</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td>4:00-5:15</td>
<td>LANGY A202</td>
<td></td>
</tr>
<tr>
<td>11129</td>
<td>NROSCI 1012 Neurophysiology</td>
<td>3</td>
<td>Tu, Th</td>
<td>11:00-12:15</td>
<td>LANGY A221</td>
<td>Meriney</td>
</tr>
<tr>
<td>11030</td>
<td>NROSCI 1012 Recitation</td>
<td>0</td>
<td>M</td>
<td>11:00-11:50</td>
<td>LANGY A221</td>
<td>Meriney</td>
</tr>
<tr>
<td>11031</td>
<td>NROSCI 1017 Synaptic Transmission</td>
<td>3</td>
<td>Tu,Th</td>
<td>1:00-2:15</td>
<td>CLAPP L-9</td>
<td>Wood</td>
</tr>
<tr>
<td></td>
<td>Review</td>
<td></td>
<td>W</td>
<td>11:00-11:50</td>
<td>TBA</td>
<td>Wood</td>
</tr>
<tr>
<td>10325</td>
<td>NROSCI 1030 Psych Disorders &amp; Brain Function</td>
<td>3</td>
<td>Tu,Th</td>
<td>1:00-2:15</td>
<td>CRAWF 169</td>
<td>Grace</td>
</tr>
<tr>
<td>24812</td>
<td>NROSCI 1034 Neural Basis of Cognition</td>
<td>3</td>
<td>MW</td>
<td>4:00-5:20</td>
<td>115 Mellon</td>
<td>Colby</td>
</tr>
<tr>
<td>12480</td>
<td>NROSCI 1036 Neurobiology of Aging</td>
<td>3</td>
<td>MWF</td>
<td>3:00-3:50</td>
<td>LANGY A224</td>
<td>Goss</td>
</tr>
<tr>
<td>24813</td>
<td>NROSCI 1047 Pro Seminar</td>
<td>2</td>
<td>WF</td>
<td>3:00-3:50</td>
<td>LANGY A202</td>
<td>Buffalari</td>
</tr>
<tr>
<td>11507</td>
<td>NROSCI 1097 Undergrad Teaching Experience</td>
<td>2</td>
<td>BY APPT</td>
<td></td>
<td></td>
<td>Yates</td>
</tr>
<tr>
<td>11700</td>
<td>NROSCI 1250 Human Physiology</td>
<td>3</td>
<td>MWF</td>
<td>9:00-9:50</td>
<td>CRAWF 169</td>
<td>Roberts</td>
</tr>
<tr>
<td>11028</td>
<td>NROSCI 1800 Neuroscience Writing Practicum 1</td>
<td>1</td>
<td>Th</td>
<td>10:00-10:50</td>
<td>LANGY A224</td>
<td>Miller</td>
</tr>
<tr>
<td>11027</td>
<td>NROSCI 1801 Neuroscience Writing Practicum 2</td>
<td>1</td>
<td>Th</td>
<td>10:00-10:50</td>
<td>LANGY A224</td>
<td>Miller</td>
</tr>
<tr>
<td>24814</td>
<td>NROSCI 1801 Neuroscience Writing Pro Seminar</td>
<td>1</td>
<td>M</td>
<td>3:00-3:50</td>
<td>LANGY A202</td>
<td>Reagan</td>
</tr>
<tr>
<td>24746</td>
<td>NROSCI 1900 Internship Experience</td>
<td>1-3</td>
<td></td>
<td></td>
<td>BY APPT</td>
<td></td>
</tr>
<tr>
<td>24734</td>
<td>NROSCI 1903 Internship Capstone</td>
<td>3-6</td>
<td></td>
<td></td>
<td>BY APPT</td>
<td></td>
</tr>
<tr>
<td>11326</td>
<td>NROSCI 1901 Independent Study</td>
<td>1-6</td>
<td></td>
<td></td>
<td>BY APPT</td>
<td></td>
</tr>
<tr>
<td>10327</td>
<td>NROSCI 1961 Thesis Research</td>
<td>1-6</td>
<td></td>
<td></td>
<td>BY APPT</td>
<td></td>
</tr>
<tr>
<td>10829</td>
<td>NROSCI 1962 Thesis Research/Wr Prac</td>
<td>1</td>
<td></td>
<td></td>
<td>BY APPT</td>
<td></td>
</tr>
</tbody>
</table>

The Spring Term 2011 **Neuropharmacology** course will be offered on **Tuesday and Thursday from 1:30 pm – 3:00 pm in BSTWR 1395**. This course will count as an advanced elective for Neuroscience majors. Please contact Betsy at eog1@pitt.edu for permissions.
Research Jobs in Brain Imaging

The Psychiatric Molecular Imaging Program (PMIP) is a research lab within the University of Pittsburgh Departments of Radiology and Psychiatry. The objective of the lab is to utilize Positron Emission Tomography imaging methodology to characterize the neurochemistry of the brain in schizophrenia and addictive disorders to accelerate therapeutic discovery. The PMIP has two clinical research associate job openings (full-time) for which we seek individuals with a bachelors degree in neuroscience (recent graduates and graduating seniors are encouraged to apply for these positions) who are highly motivated and committed to a future career in medicine or neuroscience. Job responsibilities will include participation in scientific discussions within and outside the group, assisting the PI and his collaborators in writing protocols, recruiting and screening study participants, implementing the study protocols at the brain imaging center, and administering neurocognitive tasks and clinical rating scales tasks.

If interested to learn more about these opportunities, please contact Raj Narendran, MD at narendranr@upmc.edu.

S.M.A.R.T. Scholarships

The SMART Scholarship Program is a highly-selective, prestigious, national program that fully supports their education, including full tuition and a very generous stipend while they are in school.

The Science, Mathematics, And Research for Transformation (SMART) scholarship-for-service Program fully funds undergraduate and graduate degrees in a wide range of technical areas, including all fields of Engineering, Physics, Chemistry, Biology, Brain and Cognitive Sciences, and Mathematics.

The SMART application web page is at www.asee.org/SMART. The application deadline is December 2010 for the 2011 school year. SMART provides:

- Full Tuition – to any accredited U.S. University
- A very generous stipend while in school
  - $25,000 for undergraduates
  - $33,000 for masters candidates
  - $33,000 to $41,800 for doctoral candidates
- Book allowance – $1,000
- Health Insurance
- Paid Summer internships
- All required student fees
- Travel fees for internships

Summer internships at the facility/laboratory are required. In return for fully funding their education, students are required to work as a civilian employee at a Service (Army, Navy, Air Force) or DoD Agency (NSA, DIA, DARPA, etc.) laboratory, or similar activity, for a period equal to the time the program paid for their school. Students must be U.S. Citizens, able to obtain a DoD Security Clearance, and be willing to work in a defense facility/laboratory upon graduation.

There will be approximately 300 new awards this year. A list of SMART fellows from previous years is listed by University at:

http://www.asee.org/fellowships/smart/schools/scholar%5Fdirectory/list%5Fby%5Fschool/

Interested students should visit:

www.asee.org/SMART. There are links to the application portal and other program related information. Additional applicant and SMART related questions can be answered via:

Email: smart@asee.org
Internship positions (unpaid) in the Biobehavioral Medicine Program of the University of Pittsburgh Cancer Institute (UPCI) are available immediately on a project studying the psychobiological responses to stress in daily life and under controlled laboratory conditions. We are seeking two students to potentially volunteer (or earn academic credit if interested and able) up to 10 hours a week, depending on which roles they fill. We are looking for people to be trained in handling and analyzing cardiovascular data, sleep data, laboratory slides, as well as other administrative tasks as needed. This will depend on both your interest, skills, as well as availability.

Candidates should possess good computer skills, dedication to research, attention to detail, good organizational skills, strong work ethic, and the ability to work autonomously or in a group. Regular weekly availability is necessary.

Interested individuals should contact Shane Belin at belinsc2@upmc.edu. Please provide a resume and a brief statement of your background and goals.

**CCNMD Undergraduate Research Fellowship**

The National Institute of Mental Health Conte Center for the Neuroscience of Mental Disorders (CCNMD) Undergraduate Research Fellowship provides highly talented undergraduate students with early-career, hands-on engagement in cutting edge neuroscience research. Research opportunities focus on schizophrenia and related disorders, and the neurobiological systems behind these illnesses. Fellows begin the program during the summer following the freshman or sophomore year with a full-time, 10-week research experience supported by a $4,000 stipend.

Full details of the program and application information can be found on the CCNMD Undergraduate Research Fellowship website.

Application deadline: February 11, 2011 for the 2011 Summer Fellowship.

**DECEMBER GRADS....**

Isabella Soreca and Cynthia A. Conklin are currently looking for a **Bachelor's level Research Associate** to run human subjects in our smoking and sleep study at Western Psych. It's a full-time position. Interested individuals should send an email and resume to us at our study email address: smokingstudy@upmc.edu

**Who is eligible?**

The position is open to individuals with a Bachelor's degree in Psychology, Biology, Neuroscience or a related field who have an interest in gaining hands on experience with human subjects in a behavioral science research study.

- **MUST have a flexible schedule**, willing to work early in morning (5am) and/or late in the evening (up until 10pm) with time off during the day several days a week. Willing to work mornings and evenings during the weekends if needed.
- Must be able to learn study protocols and interact professionally with study participants.
- Must be willing to make a two-year commitment

**Basic Job description:**

- Conduct experimental lab-based sessions with human subjects according to an explicit research protocol.
- Learn a variety of behavioral and biological assessments (e.g., CO monitoring, Urine cotinine and pregnancy testing, physiological electrode hook-up and monitoring, cue reactivity)
- Assist in subject recruitment and screening.
- Help with study advertising, prepare and distribute study flyers
- Perform other routine tasks to maintain the daily smooth functioning of the lab, such as library reference work

http://www.wpic.pitt.edu/research/NicotineResearch/CynthiaConklin.html
The School of Health and Rehabilitation Science offers **HRS 1018 Survey of Health and Rehabilitation Professions**.

It is 3 credits, S/NC and is open to all undergraduate students.

It’s an introduction to the professions and degree programs related to health and rehabilitation sciences and a good supplement to a schedule already full of difficult health science prerequisite classes.

---

The Pitt Pulse is a student organization wholly committed to creating a respectable, reliable and relevant monthly periodical available on Pitt’s campus. We feature articles relevant to all pre-health students including advice on academics and gaining related experience, accounts of volunteering and conducting research, discourse on admission and standardized tests and opinions of politics and medicine. You can also enjoy profiles of local health-care professionals and of professional schools of interest.

Find more information at [www.pitt.edu/~sorc/thepulse](http://www.pitt.edu/~sorc/thepulse)

---

**Pittsburgh Scientific**

Pittsburgh Scientific is a student publication featuring research at the University. The goals of this organization are two-fold: to publish an online magazine that will showcase current undergraduate research at the University of Pittsburgh and to enlighten current students of practical opportunities within their fields. Through this, we hope to formally recognize significant scientific endeavors by the undergraduate community, and to promote awareness of the importance of science and research.

Our website, [pittscience.org](http://pittscience.org), publishes articles that highlight research being done at the University. In addition, the website will post research positions available to undergraduates.

We eagerly welcome anyone interested in becoming part of our team. Many aspects of our journal are still open to change for students interested in leadership.

For those currently conducting research under the direction of a Pitt researcher, and have or are interested in writing a manuscript for publication, please contact us. Once you have submitted your manuscript to us, our editors will write an article summarizing the research you conducted. This article must then be approved by you and your Principal Investigator prior to official publication.

We are also currently looking for those who are interested in scientific writing, if you have an interest in writing for a student publication please contact us.

**Contact Information:**  [pittscience@gmail.com](mailto:pittscience@gmail.com)