

The University of Pennsylvania
Biology Undergraduate Newsletter

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Student Events

**Symposium for
Undergraduate Research in Biology**
will be held
Monday, April 26, 2:00 – 5:00 pm
in the Lobby of Leidy Lab

Biology students who have completed independent research are encouraged to participate in **SURB**, which is organized as a poster session – a research reporting format that is internationally used by biological societies. Your posters will be displayed and you will have an opportunity to discuss your research with faculty and students. Examples of posters presented at national meetings can be seen in Leidy and Kaplan hallways on the second and third floors.

If you are interested in participating, please submit your name, email address, and project title to Robert Kuniewicz, Room 102, Leidy Lab, by **April 5th**. A handout with additional information on the preparation of the poster is available in the Academic office, Leidy 102.

Abstracts are due by Monday, April 12

Note: Participants in SURB are eligible for the Neysa Cristol Adams prize in Biology. Students with concentrations in **Molecular Biology** or **Neuroscience** are **required** to present a poster at SURB and to submit a thesis.

If you or your research advisor have questions, please contact Dr. Sally Zigmond, zigmond@sas.upenn.edu



Special Event for Juniors!

Coffee and Dessert with the Faculty
Wednesday, March 31st
3:30 – 5 pm
in the Lobby of Leidy Lab

Mingle with Penn faculty and ask questions you were afraid to ask in class. Learn about their research programs, classes for next semester or seek their opinions on current topics in the news or discover the sports fans among them...

New Course for Fall 2004

Biol 436: Molecular Physiology
Tuesday and Thursday 9-10:30 am

Dr. Dejian Ren will teach this course on the molecular physiology of sensory signal transduction for advanced undergraduates. Topics include the mechanisms used by membrane channels and receptors to detect light, sound, temperature, and taste stimuli and transmit the signals to the nervous system. Modern techniques such as patch clamp, protein crystallization, expression cloning, and protein purification will also be introduced. Reading will be from the primary literature and students will read and present original research papers.

Prerequisite: Introductory biology, calculus, basic physics.

Updates on Fall 2004 Courses

Biol 221: Molecular Biology and Genetics

This course is now offered in the Fall **and** Spring semesters. Taught this fall by Dr. Greg Guild on Monday, Wednesday, and Friday, 10 – 11 am.

Biol 330: Comparative Vertebrate Anatomy and Evolution

New course title reflects emphasis on anatomy and anatomical evolution in the vertebrates. Taught by Dr. Art Dunham on Tuesday and Thursday, lecture 1:30 – 3 and lab 3 – 5 pm.

Biol 451: Systems Neuroscience

This course will **not** be offered this semester but will be offered again in Fall 2005. Students in the Neuroscience concentration may substitute Biol 442 Neurobiology of Learning and Memory or INSC 573 Neuroscience Core III for Biol 451 this semester.

Biol 464: Introduction to Field Ecology

Each week, students are taken to field sites in local forest and stream ecosystems to learn about the ecology of the site and collect data. Assignments are discussed in weekly recitations on campus. Taught by Dr. Jim Thorne and researchers at Stroud Water Research Center on Thursday, 12 – 5 pm.

Reminder to ALL Graduating Seniors

If you plan to graduate in May and have not yet notified the Biology Department, please contact Robin Sherwood in Leidy Lab 102 or at sherwood@sas.upenn.edu as soon as possible.

Opportunities

Woodford Cedar Run Wildlife Refuge offers spring and summer internships for students in their junior or senior year. Located in Medford, NJ, the facilities include an educational center and a wildlife rehabilitation hospital. Visit their web site at www.cedarrun.org or contact **Melanie Reding** at 856-983-0326 or wcrwr@earthlink.net for more information.



The **Brandywine Conservancy** is offering two summer internships to monitor and steward lands under conservation easement. The position requires extensive hiking and walking during inspection of properties. Applicants should have a background in ecology or botany, be able to read topographic maps and be able to use computer programs to enter and exam data. You must provide your own transportation and be able to work independently with little supervision. Send resume and cover letter to **Melissa Burke** at mburke@brandywine.org or PO Box 141, Chadds Ford PA 19317.



The Division of Obstetrics and Maternal-Fetal Medicine and Reproductive Genetics in the Department of OB/GYN at Temple University Hospital has opportunities for volunteers interested in doing research. Contact the division director, **Dr. Osnat Geifman-Holtzman** at 215-707-1648 for more information.



American Museum of Natural History Southwestern Research Station is looking for volunteers for May, September, October, and November 2004. Volunteers receive food and lodging in exchange for 24 hours/week of routine chores. The remaining time is available for research activities. Contact **Dawn S. Wilson, Director**, at swrs@amnh.org or visit <http://research.amnh.org/swrs> for more information.

Honors in Biology

If you intend to graduate with **Distinction in the Major** (Honors), please notify Robin Sherwood as soon as possible.

In order to graduate with **Distinction in the Major**, Biology students are required to have a GPA in the Major of at least 3.25 **and** submit an honors thesis, which is based on independent research. If you meet these criteria, you are strongly encouraged to apply for honors. For information and sample theses, contact Robin Sherwood in the Academic Office, Leidy 102 or sherwood@sas.upenn.edu

Honors Theses are due Monday, April 26, 2004



Biology Majors Graduation Reception and Awards Ceremony

The Biology Department is pleased to invite all graduating Biology Majors, their families, Biology Faculty, and Biology TAs to a reception in honor of graduating Biology Majors, as well as the winners of the Neysa Cristol Adams Prize in Biology, the Edna R. Green Award, the Chair's Award for Excellence in Biology, and the Biology Department Award for Excellence in Teaching.

These awards will be presented
and a light meal will be served in

Leidy Lab Main Lobby
Sunday, May 16th
4:00 – 6:00

Come celebrate graduation
with fellow Biology Majors and Faculty.

We hope to see you there!