

Undergraduate Program in Biology and Medicine

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November 2010

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U.S. Humane Society Wildlife Center in Cape Cod, MA
Photo Courtesy of Hannah Stenger (Read
[Read About Internship ...](#))

UPBM e-Newsletter

UPBM POSTER SESSION 2010 FRIDAY 10/15/10

Presenters / On-Line Slide Show Available for Viewing

This year's poster presentation was a huge success thanks to:

| | |
|------------------------------|--------------------------------|
| Gaoxiang Chen, '11 BNS | Daniel Levine, '11 BBC |
| Kathryn Cooper '11, BNS | Erica Parrinello '11, BCD |
| Shady El Damaty, '11, BNS | David Phizicky '11, BBC |
| Alex Federation '11, BCD/CHM | Sneha Rath '11, BMG |
| Alex Hajduczuk '11, BBC/ECO | Joome Suh '11, BMB |
| Evan Hass '11, BBC | Stefanie Tan Ying-Lin '11, BBC |
| Woong Hwang, '11 BNS | Alexander Vostal '11, BMB |
| Matthew Kaufmann '11, BIO | Michelle Winston '11, BIO |

Pictures for UPBM poster session slide show were taken by Dr. Cheeptip Benyajati and Dr. James Palis and can be viewed on-line at: <http://www.rochester.edu/college/BIO/UPBM/UPBMPosterSession/2010/Slideshow.mov>.

FELLOWSHIPS & SCHOLARSHIPS

Interested Students

Competitive fellowships and scholarships are available to math, science, and engineering students. Some of the awards that are offered are the: Goldwater, Churchill, NSF, Hertz, National, Physical Science Consortium, Ford Pre-Doctoral, National Defense Science and Engineering, and the Department of Homeland Security.

UR students have had a history of great successes, particularly in the Churchill and Goldwater competitions. For example, three out of six UR student nominations were selected to receive the Churchill scholarship over the past three years, and nine out of sixteen UR student nominations were selected to receive the Goldwater Scholarship over the last four years.

All interested should contact the Director of Fellowships, Belinda Redden (belinda.redden@rochester.edu).

For more details about Fellowship and Scholarship Opportunities visit:



<http://www.rochester.edu/college/CCAS/fellowships/index.html>

SOCIETY FOR UG BIOLOGY STUDENTS (SUBS) VOLLEY BALL GAME

Biology versus Chemistry Showdown by Gabriel Perreault

At most SUBS Volleyball Games, the undergraduate biology students face off against the graduate students, faculty and staff of the Biology Dept, which has created a budding rivalry between SUBS and the Biology Dept faculty. However at the most recent SUBS Volleyball Game, SUBS and faculty of the Biology Dept joined forces in a match against UCC (Undergraduate Chemistry Council) and the Chemistry Dept for the volleyball bragging rights of Hutchison! With the help of the sole faculty member in attendance, Dr. Eickbush, the Biology Dept triumphed over the Chemistry Dept in a heroic, comeback victory in three sets.

After winning the gritty match against UCC, SUBS will turn their sights back on the Biology Dept graduate students, faculty and staff at the **next SUBS Volleyball Game on Friday, Nov 19th on Court B in the Goergen Athletic Center**. As always, all undergraduate students, graduate students, faculty and staff from the Biology Dept are welcome to play or to stop by to root for their favorite all-stars from the sidelines! For more information about SUBS Volleyball contact Gabe Perreault (gperreault@u.rochester.edu)

FRED HUTCHINSON CANCER RESEARCH CENTER

SURP and Faculty Research Residency Program Opportunities

The Fred Hutchinson Cancer Research Center (FHCRC) hosts a 9-week summer internship that is designed to provide research experience and mentorship for undergraduate students. We would appreciate your help promoting the Summer Undergraduate Research Program among faculty/students in the appropriate departments at University of Rochester. As such, I have attached a very brief PowerPoint presentation that includes an overview of the program, how to apply, and who to contact for more information. We have also created an informational brochure and coinciding business card pertaining to the program – if you would like to distribute any of our printed materials among your students, please let me know the quantity you need and the address where the items should be sent. You are welcome to distribute this link about the SURP program and/or to submit an application: <http://www.fhcrc.org/science/education/undergraduates/>

In addition to the SURP program, the FHCRC hosts a 10-week faculty research residency. I have attached a flyer that provides more information about this opportunity.

Faculty from an institution with a diverse undergraduate population are invited to apply to conduct 10 weeks of summer research at the Fred Hutchinson Cancer Research Center in Seattle, Washington under the guidance of an investigator who shares similar research interests. The goals of the faculty research residency program are two-fold. First, this experience should increase the research capabilities of the visiting faculty

member, with the goal of leading to external funding at his/her institution. Secondly, this experience will enable visiting science educators to become familiar with the training programs (undergraduate and graduate) available at the FHCRC/University of Washington and thereby broaden the research opportunities available to their undergraduate students. For more information visit:

<http://www.fhcrc.org/science/education/facultyresidency/>.

Deadline is January 14, 2011.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Summer Job Opportunities

The New York State Department of Environmental Conservation Summer Camps has seasonal employment opportunities at four camps in New York State. These positions are a great opportunity for those who love the outdoors, working with youth, and want to gain valuable employment experience.

These positions are highly coveted and I would recommend anyone interested in applying to do so early. Those students who have certifications such as Waterfront Life Guarding, Water Safety Instructor, CPR/AED for the Professional Rescuer, Responding to Emergencies or Wilderness First Aid will be given preference for interviews. Applications for summer 2011 camp positions can be sent in starting after September 30, 2010.

To learn more about the summer job opportunities available at the NYS Department of Environmental Conservation visit:

<http://www.dec.ny.gov/education/1869.html>.

THE HUMANE SOCIETY OF THE UNITED STATES CAPE WILDLIFE CENTER

Internship Experience by Hannah Stenger '11, BEB

[See Photo Album](#)

I had the opportunity this summer to intern with the U.S. Humane Society's Wildlife Center in Cape Cod. The Cape Cod Wildlife Center (CWC) veterinarians and staff are interested in advertising for next year's program, so they have asked last summer's interns to spread the word to colleagues that may be interested.

The CWC is located in Barnstable, MA, and the program offers internships ranging from two weeks to six months. When applying, students should just specify the dates that they are available, and the CWC is very accommodating. There is a student apartment for the interns, and although the internship is unpaid, rent and utilities are free. They are interested in recruiting junior and senior undergrad students in biology, ecology, and zoology, and I highly recommend this program for pre-vet students or students interested in wildlife conservation.

For more information about the internship with the U.S. Humane Society in Cape Cod visit their website at:

<http://www.fundforanimals.org/cape/about/>.

BIOLOGY SEMINARS AND EVENTS

Please note that seminars are held in Hutchison Hall, on the



River Campus. ([Campus map](#)) Contact the Biology Department at 273-1139 at least 3 days in advance to request any special accommodations or if you would like to meet with an outside speaker. Refreshments provided.

November 8 (Monday) 12:00 PM

Hutchison 473
Dr. Michael C. Yu, SUNY Buffalo
"The Role of Protein Arginine Methylation in mRNP Dynamics"

November 12 (Friday) 3:00 PM

Hutchison 316
Daniel McNabney, University of Rochester
"Genetics of behavioral isolation in Drosophila"

November 15 (Monday) 12:00 PM

Hutchison 473
Dr. Pankaj Kapahi, Buck Institute for Age Research
"The role of TOR, mRNA translation and metabolism in mediating the effects of dietary restriction"

November 19 (Friday) 3:00 PM

Hutchison 316
Dr. Andrei Seluanov, University of Rochester
"Evolution of anti-cancer mechanisms in long-lived rodents"

November 19 (Friday) 4:30 PM – 6:00 PM

Goergen Athletic Center, Court B
SUBS Volleyball Game (Students vs. Faculty)

November 22 (Monday) 12:00 PM

Hutchison 473
Dr. William Theurkauf, University of Massachusetts Medical School
"piRNA function in transposon silencing and germline development"

November 29 (Monday) 12:00 PM

Hutchison 473
Dr. Leslie Griffith, Brandeis University
"TBA"

December 3 (Friday) 4:30 PM – 6:00 PM

Goergen Athletic Center, Court A
SUBS Volleyball Game (Students vs. Faculty)

OPPORTUNITIES

Alaskan Observers North Pacific Ground Fish Observer Positions Available Year-Round:
<http://www.alaskanobservers.com/observer.html>

Albert Einstein Summer UG Research Program:
<http://www.aecom.yu.edu/phd/index.asp?surp>

American Association for Cancer Research Minority Scholar in Cancer Research Awards:
<http://www.aacr.org/home/scientists/meetings-->

<workshops/travel-grants/minority-scholar-awards.aspx>

Amgen Scholars Program At Columbia University
<http://www.columbia.edu/cu/biology/ug/amgen/>

Berkeley Amgen Scholars Program
<http://amgenscholars.berkeley.edu>

Case Western Reserve Summer Research Program
http://casemed.case.edu/admissions/research/summer_programs.cfm

Case Western University Summer UG Research in Pharmacology
<http://pharmacology.case.edu/education/surp.aspx>

The Chicago Center for Systems Biology Summer REU Program
<http://www.igsb.org>

Cold Spring Harbor Laboratory Watson School of Biological Sciences Undergraduate Research Program
<http://www.cshl.edu/URP/>

Columbia University/Barnard College Amgen Scholars Summer Research Program
<http://www.columbia.edu/cu/biology/ug/amgen/>

Columbia University BioIGERT Fellows Program:
<http://www.bioigert.columbia.edu>

Columbia University / Master's Program in Climate and Society: <http://www.columbia.edu/cu/climatesociety/>

Columbia University MPA in Environmental Science and Policy Information:
<http://www.columbia.edu/cu/mpaenvironment/pages/program.html>

Columbia University / MS in Nutrition:
<http://cumc.columbia.edu/dept/ihn/student/PerspectiveStudents.html>

Educational Programs Abroad (EPA): <http://www.epa-internships.org>

Fulbright Scholarship Program
<http://us.fulbrightonline.org/home.html>

Fred Hutchinson Cancer Research Center UG Faculty Research Residency Program
<http://www.fhcrc.org/science/education/facultyresidency/>

Fred Hutchinson Cancer Research Center SURP Program
<http://www.fhcrc.org/science/education/undergraduates/>

Harvard School of Public Health Summer Program in Biological Sciences in Public Health
<http://www.hsph.harvard.edu/academics/biological-sciences/undergraduate-summer-internship-program/>

Institute for Health Metrics and Evaluation



Post-Bachelor Fellowship
<http://www.healthmetricsandevaluation.org>

LUMCON 2010 Summer Field Program
www.lumcon.edu/education/university/summer

Marine Mammal Research Internships
<http://www.whalecenter.org>

MIT BE REU Program
<http://web.mit.edu/be/education/reu.htm>

National Academics Research Associate Program:
<http://www7.nationalacademies.org/rap/>

National Academies Fellowships Program
<http://www.national-academies.org>

National Institute of Allergy and Infectious Diseases (NIAID),
Intramural NIAID Research Opportunities (INRO); for more
information visit:
<http://www3.niaid.nih.gov/labs/training/inro/>

National Science Foundation's Graduate Research
Fellowship Program (GRFP)
<http://www.nsfgrfp.org/>

New York State Dept. of Environmental Conservation
Summer Job Opportunities
<http://www.dec.ny.gov/education/1869.html>

Pasteur Foundation Internship in Paris
<http://www.pasteurfoundation.org/documents/PasteurInternshipApp2011.pdf>. (Deadline 12/17/10)

RISE (Research Internships in Science and Engineering)
<http://www.daad.de/rise/en/> (Deadline 1/31/11)

Rochester Academic of Science Student Research Grants
<http://www.rasny.org/> (Deadline 11/30/10)

Roswell Park Summer Research Participation Program
http://www.roswellpark.org/Education/Summer_Programs

Sloan-Kettering Summer Undergraduate Research Program
/ Application Deadline 2/1/11:
<http://www.sloankettering.edu/gerstner/html/54513.cfm>

South Western Medical Center Summer UG Research
(SURF)
<http://www8.utsouthwestern.edu/utsw/home/education/surf/index.html>

Southern Teachers Agency / Biology Teaching Jobs
<http://www.southernteachers.com/>

St. John Fisher Wegmans School of Pharmacy
<http://www.sjfc.edu/pharmacy/admissions>
Information Session Saturday, November 13, 2010 at 8:45
a.m. at the St. John Fisher Student Life Center to RSVP
visit:

<http://www.sjfc.edu/admissions/graduate/visit/pharmacy.dot>

Stowers Scholar Program
<http://www.stowers-institute.org/ScientistsSought/training/scholarsprogram.asp>

Teach for America
<http://www.teachforamerica.org>

The UNCF Merck Science Initiative Science
Scholarships and Fellowships: <http://www.uncf.org>

University of Kansas EEB Graduate Program
<http://www.ku.edu/~eeb>

U of R Undergraduate Research Job Service:
<http://www.rochester.edu/College/ugresearch/jobs/>

U of R National Fellowships and Scholarships Website:
<http://www.rochester.edu/College/CCAS/fellowships>

Wadsworth Center Summer Research Program 2010 in
Molecular and Cellular Biosciences
<mailto:http://www.wadsworth.org/educate/molcel.htm>

HELPFUL LINKS

[Athletics](#)
[Biology Department](#)
[Dining](#)
[Directory](#)
[Employee Discounts](#)
[Facilities](#)
[Libraries](#)
[Undergraduate Program in Biology & Medicine](#)
[University Information Technology](#)
[University Counseling Center](#)

CONTACT US

We want to hear from you!
Send submissions and feedback to [UPBM Administrator](#).

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