

Undergraduate Program in Biology and Medicine

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<http://www.rochester.edu/College/BIO/UPBM/upbmhme.htm>



Picture from the Student Life Picture Gallery-Move-In 2010

September 2010

UPBM e-Newsletter

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WHAT DID YOU DO OVER THE SUMMER?

UPBM majors are invited to share their summer vacation stories

UPBM majors are invited to share their stories of what they did over summer vacation with their colleagues. Whether students participated in an awesome summer program, traveled to distant lands, or simply remained curled up in a fetal position after exams we'd love to know? Submissions will be published in the October 2010 edition of the UPBM e-newsletter. All interested should send their stories by e-mail to: marianne.arcoraci@admin.rochester.edu.

2010 UPBM POSTER SESSION

Event to Attend / Interested in Presenting?

Please join us on Friday 10/15/10 from 2-3:30p.m. in the Computer Studies building, room 209 for [The UPBM Poster Session](#). The UPBM poster session is an annual tradition held during Meliora weekend. This event is an excellent opportunity for faculty, students, and alumni to network and discuss research. Refreshments will be provided. Research from the Chemistry department will also be displayed.

Students may either attend or present. UPBM majors (BA BIO, BS BBC, BS BCD, BS BEB, BS BMB, BS BMG, and BS BNS) that are interested in presenting must have done significant research of exceptional quality that can be displayed and presented on a poster. Typically presenters stand by their posters and give on-the-spot explanations of their research to event-goers. Students are welcome to use posters that have already been created from research that was conducted at the UR or other institutions pending their research advisor's (PI's) permission. For more details contact the UPBM administrator [Marianne Arcoraci](#).

See the photo album from last year's [2009 UPBM Poster Session](#).

INDEPENDENT RESEARCH (395) COURSES

About / How to Register/ Finding a Mentor / Submission Deadlines

About...Independent Research (395) courses allow students in B.A. and B.S. tracks to gain research experience in the laboratories of program faculty during the school year and earn academic credit for their work.

Independent Research (395) courses are designed for students who are interested in hands-on, bench work type research that is typically conducted in laboratories located on River Campus or at the Medical Center. Independent research courses cannot be used for clinical study or reading courses. Students cannot receive credit if payment is also being received for the same research.

How to Register Courses: There are two forms that need to be submitted to the [UPBM office](#) to register a 395 course; an on-line form and an Independent Studies form. Visit the following link for further instructions: <https://secure1.rochester.edu/biology/IND/>.

How to Find a Research Mentor:

The key to finding a research mentor is networking. Some students start their investigations by connecting with the faculty in the courses they enjoy or by contacting the advisor of their intended major. Other students may network with faculty and peers that are already doing research in their area of interest. For resources to help find faculty research mentors visit: <http://www.rochester.edu/College/BIO/UPBM/indres/ResearchResources.htm>

Submission Deadlines:

Submission deadlines are dependent on how many credits a 395 course is worth, i.e.: 4-credit courses are due by the end of the 3rd week of classes; 3-credit courses are due by the end of the 5th week of classes; and 2-credit courses are due by the end of the 7th week of classes. For submission dates visit the College's calendar of events at: <http://www.rochester.edu/registrar/calendar.php>. Please note research mentors must initial the start-date if forms are submitted after the deadline.

395 Course Guidelines:

For more information on 395 courses and guidelines visit the UPBM Independent Research webpage at: <http://www.rochester.edu/college/BIO/UPBM/upbmindres2.htm>

TRANSFERRING COURSES FROM OTHER COLLEGES AND UNIVERSITIES

Students who have taken courses at other institutions they are planning to apply to a biology major need to have the courses evaluated and approved for their equivalency to UR courses. Please submit a course approval forms along with a description of the course you plan on taking (or have taken) to the [UPBM office](#). Students must contact the institution the courses were taken at to arrange for their transcripts to be sent to the UR. Only credits from courses with a C or better will transfer. For more information on transferring credits visit: <http://www.rochester.edu/college/CCAS/AdviserHandbook/TransferCrdt.html> or contact the [UPBM Administrator](#).

STUDY ABROAD OPPORTUNITIES FOR SCIENCE & ENGINEERING MAJORS

Learn which Courses in the sciences and engineering are available through study abroad programs by visiting: http://www.rochester.edu/college/BIO/UPBM/other/upbm_study_abroad_oppsforscienceandenggstudents.pdf

JUNIORS: DEKIEWIET SUMMER FELLOWSHIP

New Preapplication Process

The de Kiewiet Summer Research Fellowships are designed to give University of Rochester students in the B.S. and B.A. Tracks in the Program in Biology and Medicine an opportunity to obtain substantial research experience in the laboratories of Program Faculty. The Faculty in the Program includes all members of the following departments along with many faculty from other biomedical departments: Biology, Biochemistry and Biophysics, Microbiology and Immunology, Neurobiology and Anatomy, Neuroscience, Oral Biology, Pharmacology and Physiology. Students in their **junior** year are invited to submit competitive applications.

De Kiewiet Fellows work for ten weeks during June, July and August in the lab of their research mentor, give an oral presentation of their work near the end of the 10 weeks and present a poster in the UPBM Poster Presentation in October of

their fellowship year. Fellows receive a stipend for the fellowship period.

Students applying for the fellowship will need to submit a pre-application form and a letter of support from their PI by Monday, **2/14/11**. For more information on pre-application process visit: http://www.rochester.edu/College/BIO/UPBM/deKiewiet/2010_PreAppInfo.pdf

Selected candidates will be invited to formally apply by Friday, 2/18/11. The formal application process requires candidates to submit: a [specially formatted six-page proposal](#), two letter of references, a summary of research and career goals, a note of authorship from the PI, and official transcripts. Selected applicants will be given further details when notified. The deadline for formal applications is Monday, 3/14/11. Final decision will be communicated by Monday 3/21/11.

See [deKiewiet fellows from 2010](#).

SENIORS: DEGREE WITH DISTINCTION IN RESEARCH

Guidelines / Timeline for Planning a Senior Thesis

A degree with distinction in research is an honor that recognizes a student for outstanding accomplishments in research. Students majoring in the Undergraduate Program in Biology and Medicine (UPBM) with research of exceptional quality and a minimum BIO GPA of 2.7 may apply for candidacy during their senior year. Candidates must have developed a novel body of work that includes publication quality data from which to generate a senior thesis. In addition, candidates must successfully present and defend their senior thesis before a faculty examination committee. For guidelines, planning timeline and application visit: <http://www.rochester.edu/college/BIO/UPBM/DegreeWithDistinction/guidelines.pdf>

SENIOR AND JUNIOR AUDITS FOR BA BIO, BS BCD, BS BEB & BS BMG MAJORS

This summer BA BIO, BS BCD, BS BEB, and BS BMG majors that intend to graduate with the class of 2010 and 2011 had their coursework audited and should have received a copy of their updated concentration form by e-mail.

Students' academic plans that were initially generated at the time their major was declared were compared to their recent transcript activity. Students should review their academic plans and contact their [academic advisor](#) or the [UPBM Administrator](#) should they need to have changes made to their academic plans.

SOCIETY FOR UNDERGRADUATE BIOLOGY STUDENTS (SUBS)

What is SUBS? Volleyball Game Fall Schedule (Faculty vs. Students)

Our purpose is to promote faculty-student interaction, to serve as a guiding force for Biology majors/interests, provide networking opportunities through events, and to cater to the needs of the membership through member input. For more information visit SUBS web site: <https://sa.rochester.edu/clubs/about.php?clubID=1111267>

SUBS volley ball games are open to all UPBM majors (BA BIO, BS BBC, BS BCD, BS BEB, BS BMB, BS BMG, and BS BNS) students, graduate biology students, biology professors, and biology department staff.

1. 10/1/2010 Fri 4:30 PM 6:00 PM Floor Court A A&R
2. 10/29/2010 Fri 4:30 PM 6:00 PM Floor Court A A&R
3. 11/19/2010 Fri 4:30 PM 6:00 PM Floor Court A A&R
4. 12/3/2010 Fri 4:30 PM 6:00 PM Floor Court A A&R

INTERNSHIPS IN EUROPE

Message from Lisa Frauens, Coordinator, UR Educational Programs Abroad

The University of Rochester, in cooperation with Educational Programs Abroad (EPA), sponsors semester-long Internship in Europe programs in London, Berlin, Bonn, Cologne, Brussels, Edinburgh and Madrid that offer students the opportunity to gain valuable international work experience with an eight-credit internship as well as taking 2 courses throughout the semester. Students get a sample of life as a team player and an unforgettable opportunity to explore what it's like to live and work in a foreign country.

A broad range of internship fields is available in business, the arts, media and publications, health sciences, medical research, politics, and law.

Spring Study Abroad Proposals are due September 15th. Please encourage students who are interested in learning more about our opportunities to attend the Internships in Europe Informational Meetings.

- Thursday, September 16, 11am-12pm -Wilson Commons 122
- Thursday, October 7, 7-8pm - Wilson Commons 122
- Thursday, October 28, 11am-12pm - Wilson Commons 122

Students can also visit:

<http://www.rochester.edu/college/internships> for additional information.

I have also attached a poster listing these dates that you can post and/or distribute to your students. If you would like a student who has been on the program to discuss the opportunity with your class, we will arrange this for you. You can also speak with me directly at 275-8850.

NATIONAL CONFERENCE ON UNDERGRADUATE RESEARCH

Message from Steve Manly, Director for the UR, Office of Undergraduate Research

The 2011 National Conference on Undergraduate Research (NCUR) will take place on the campus of Ithaca College in Ithaca, NY on March 31 – April 2, 2011. Typically, 15-25 students from the University of Rochester attend this conference annually and give presentations on their research.

This is a wonderful opportunity for some of our strongest students to show off their work and meet other students doing research around the country. This venue is of particular value for students who do not have the opportunity to make a presentation at a professional meeting in their area of research. You can find more information on this year's conference at <http://www.ithaca.edu/ncur2011/>.

If you know of a student who might be interested in attending NCUR 2011, please send them to the College webpage at <http://www.rochester.edu/college/ugresearch/ncur/index.html> where they will find an overview, application information and a timeline of the application process. Although students can submit abstracts and attend the conference on their own, the Office of Undergraduate Research will organize a trip to Ithaca for group of University of Rochester students and cover the travel expenses for as many of these students as budget constraints allow. Please note that the deadline for interested students to submit applications to the Office of Undergraduate Research to be part of this group is October 11, 2010.

ROCHESTER ACADEMY OF SCIENCE ANNUAL 37TH PAPER SESSION

Call for Submissions Deadline Friday 10/15/10

The thirty-seventh Annual Fall Scientific Paper Session of the Rochester Academy of Science will be hosted by the Rochester Institute of Technology on Saturday, November 6, 2010, from 8 AM to 2 PM. This session provides a forum for Academy members, the collegiate community and others engaged in scientific research to present the results of their investigations in an atmosphere that promotes discussion and interaction. Undergraduate students, graduate students, and faculty members are encouraged to attend and to present posters or oral reports. You do not have to be a member of the Rochester Academy of Sciences to participate. ---for more information visit: <http://www.rasny.org/FallPaper/First-Call-2010.pdf>

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 BioGERT Fellows Program:

<http://www.biogert.columbia.edu>

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

Fulbright Scholarship Program

<http://us.fulbrightonline.org/home.html>

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

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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/>

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

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

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

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

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

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

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
<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](#)

[Parking](#)

CONTACT US

We want to hear from you!
Send submissions and feedback to UPBM Administrator.

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