

Undergraduate Program in Biology and Medicine

University of Rochester
Hutchison Hall Room 402F
Rochester, NY 14627
(585) 275-3850
<http://www.rochester.edu/College/BIO/UPBM/upbmhome.htm>



September '09

Welcome Back



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WELCOME BACK / GOODBYE CLASS OF '09

Welcome back! But, before we begin, let's take one last look at the UPBM majors who graduated with the class of 2009. For the list of '09 UPBM majors (including BA BIO, BS BBC, BS BCD, BS BEB, BS BMB, BS BMG, and BS BNS) visit: <http://www.rochester.edu/college/BIO/UPBM/other/upbmmajors2009.pdf>. This list also indicates students who graduated with: Latin Honors, Distinction, Phi Beta Kappa, and various awards.

UPBM POSTER SESSION: CALL FOR SUBMISSIONS

Pushing the boundaries of knowledge? Show us what you got. We are looking for students to [Participate in the 2009 UPBM Poster Session](#). The poster session will be held during Meliora Weekend, Friday, 10/09/09 from 2:00 p.m. to 3:30 p.m. in the Computer Studies Building Room 209. [View photo album from 2008 UPBM Poster Session](#).

This is an excellent opportunity to discuss research and network with faculty, students and alumni. Refreshments will be served.

Interested qualified students should contact [UPBM Administrator](#) for more details.

INDEPENDENT RESEARCH (395) COURSES

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: **New Online Form**

Two forms need to be submitted to the [UPBM Office](#) to register a 395 course:

1. [Independent Study \(IS\) Triplicate Form](#)
2. [Online Independent Research \(395\) Course Registrations Form](#)

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>

CHANGES TO UPBM COURSE OFFERINGS

BIO 255 The Biochemistry of Male and Female Differences that was offered during the spring semester has been canceled. Students may apply this course to their major if it has already been taken.

BIO 232 Genetic Diversity and Human Disease that was offered during the spring semester has been canceled. Students may apply this course to their major if it has already been taken.

BIO 228 Lab in Cell and Developmental Biology that was offered during the fall semester has been canceled and replaced by **BIO 268 Laboratory in Molecular, Cell and Developmental Biology** that is offered during the spring semester. Students may apply this course to their major if it has already been taken. Biology majors that have schedule conflicts should contact their [academic advisor](#) to discuss alternatives.

TRANSFERRING COURSES FROM OTHER COLLEGES AND UNIVERSITIES

A reminder to students who took courses at other institutions over the summer to please submit a course approval form for the courses they have taken to the UPBM office and to have the credits transferred 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/4_StudyAbroadScienceMajorOps.htm

JUNIORS: DEKIEWIET SUMMER FELLOWSHIP

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 Symposium in October of their fellowship year. Fellows receive a stipend for the fellowship period. This year the deadline for submission will be **Monday, March 15th, 2010**. For more information visit: [deKiewiet website](#). See [deKiewiet fellows from 2009](#).

SENIORS: PICTURES FOR DIPLOMA CEREMONY SLIDESHOW

The Senior Slide Show is a Biology Department tradition viewed annually at the end-of-year diploma ceremony. Throughout the year please feel free to e-mail any pictures for the slide show to the [UPBM Administrator](#).

SENIORS: DEGREE WITH DISTINCTION IN RESEARCH?

The current requirements of the Undergraduate Program in Biology and Medicine for awarding levels of distinction to graduating majors in the B.A. program or the B.S. tracks are a minimum BIO GPA of 2.7 and a senior thesis that must be defended at an open meeting of the student's advisory committee. The advisory committees usually consist of the research sponsor, the student's academic advisor, and one faculty member appointed by the track coordinator. After the UPBM office notifies the students with the names of their advisory committee members, it is the responsibility of the student and his/her advisor to find a date/room to hold the examination.

Application forms requesting acceptance as a candidate for the degree with distinction in research can be obtained in the [UPBM office](#) or downloaded at: <http://www.rochester.edu/college/BIO/UPBM/upbmdwdapp4candidate.pdf>. For seniors graduating this year the submission deadline will be **Monday, February 29th, 2010**. The UPBM office and track coordinators must receive the thesis in order to assemble the examining committee **by April 15th**. For more details visit: <http://www.rochester.edu/College/BIO/UPBM/majors/upbmgedeg.htm - Degree>

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)

The Society of Undergraduate Biology Students at the University of Rochester strives to promote faculty-student interaction, to serve as a guiding force for those with interests in Biology, to provide networking opportunities through organized events, and to cater to the needs of the membership through member input. For more details visit: <http://www.sa.rochester.edu/subs/SUBHomepage.html>.

UPCOMING EVENTS

September 4 (Friday) 3:00 PM

Hutchison 316

Dr. Jack Werren, University of Rochester

"*Evolutionary Insights from the Nasonia Genomes*"

September 11 (Friday) 3:00 PM

Hutchison 316

Dr. John Jaenike, University of Rochester

"Adaptive evolution via symbiosis: rapid spread of a defensive symbiont in *Drosophila*"

September 14 (Monday) 12:00 PM

Hutchison 473

Dr. Henri Jasper, University of Rochester

"TBA"

September 18 (Friday) 3:00 PM

Hutchison 316

Amanda Larracuente, Cornell University

"Evolution of an ancestral *Drosophila* Y chromosome translocation in *D. pseudoobscura*"

September 25 (Friday) 3:00 PM

Hutchison 316

Dr. Patrick Ferree, Cornell University

"Within-and between-species effects of repetitive DNA on mitosis in *Drosophila*"

September 28 (Monday) 12:00 PM

Hutchison 473

Dr. John K. Colbourne, Indiana University

"Genome biology of the model crustacean *Daphnia pulex*"

OPPORTUNITIES

Alaskan Observers, Inc. North Pacific Ground Fish Observer

Positions Available Year-Round:

<http://www.alaskanobservers.com/observer.html>

Albert Einstein Summer Undergraduate 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>

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/JRP/>

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>

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/intro/>

Rice University 2010 IBB Summer UG Internship

HHMI Program in Bionanotechnology:

http://cohesion.rice.edu/naturalsciences/hhmi/index.cfm?doc_id=10945

REU in Cellular Engineering:

http://cohesion.rice.edu/naturalsciences/nsfreu/index.cfm?doc_id=11338

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>

U of R National Fellowships and Scholarships Website:

<http://www.rochester.edu/College/CCAS/fellowships>

Undergraduates Program at the Synchrotron Radiation Center

http://www.src.wisc.edu/outreach/SRC-REU/2009/SRC-REU_Summer_Internship.pdf

Wadsworth Center Summer Research Program 2009 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](#)

[Parking](#)

CONTACT US

We want to hear from you!

Send submissions and feedback to [UPBM Administrator](#).

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