

UPBM E-NEWSLETTER

Undergraduate Program in Biology and Medicine

UPBM E-NEWSLETTER September 23, 2011

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Class of 2015 Move-In Day: Photo From [Student Life Website](#)

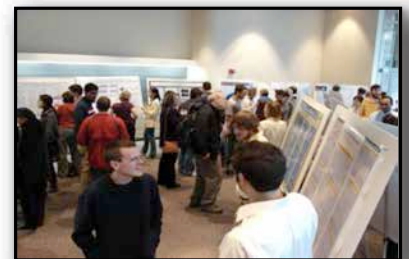
Share Your Summer Story What Did you Do Last Summer?

Students have interesting summers and we would like to hear about it. 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 2011 edition of the UPBM e-newsletter. All interested should send their stories by e-mail to: marianne.arcoraci@admin.rochester.edu.

UPBM Poster Session Event UPBM Majors Invited to Attend / Opportunity to Present

Please join us on Friday 10/21/11 from 2-3:30p.m. In the Hutchison Hall, First Floor, Green Lounge for [The 2011 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](#).



Independent Research (395) Courses

What Are 395 Courses / Getting Started / Finding Mentors

Independent Research (395) courses allow students to gain research experience while gaining academic credit for their work in the laboratories of program faculty located on UR's River Campus or Medical Center. Typically a student and faculty member agree to register a research project as a course. Although research courses are not typical lecture hall experiences they are still considered a course that requires defined objectives, learning outcomes, contact hours, and criteria for evaluation that is normally associated with regular credit-bearing courses. Independent Research courses involve hands-on benchwork and laboratory techniques that are non-clinical in nature.

GETTING STARTED / FINDING A RESEARCH MENTOR

It's All About Connecting with Faculty Who Conduct Research Within Your Area of Interest...

It is the student's responsibility to find a faculty member that conducts research within their area of interest and who will agree to take them on as a independent research student for a semester. Undergraduates are advised to begin searching for a research mentor before the semester begins as they may decline to sponsor a course, especially if the request is submitted too late after the beginning of classes. Similarly, any request for an exception to the policies may be denied.

Students usually find mentors through consulting their academic advisors and teachers for recommendations of faculty that may conduct research in their area of interest. Another way would be to search UR websites and network with faculty to find out if they would be willing to take on new students. Additionally, students that work in a lab may also register a research course with their lab manager as long as payment is not received for the work that is related to the course. Please note that research mentors that consent to instructing an Independent Research course must be a full-time members of the teaching faculty at the University of Rochester; including visiting professors. Resources to help students connect with research mentors are available on the [UPBM Independent Research Resources](#) webpage.

Related Articles:

- * [Independent Research \(395\) Guidelines](#)
- * [List of 395 Independent Research Courses registered over the past three years](#)
- * [Instructions on how to register 395 with UPBM Faculty](#)

EPA Internships in Europe

Educational Programs Abroad Information Session

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 window on the world of work, 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.

Summer programs are also offered at each site except Madrid. These are of special interest to students who are not able to spend an entire semester off campus.

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

Internships in Europe Informational Meetings will be held on **Thursday September 29th from 7 pm to 8 pm in Wilson Commons 122** For more information visit: www.rochester.edu/college/internships

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.

Applications for Candidacy are due by March 1st 2012. Candidates will be contacted with the members of their examination committee during the week of March 26th, 2012. Senior Defense must be defend their senior thesis by the May 4th, 2012.

Related Articles:

- * [Guidelines:](#)
- * [Planning Timeline:](#)

Senior and Junior Audits

For BA BIO, BS BCD, BS BEB & BS BMG Majors Only

This summer BA BIO, BS BCD, BS BEB, and BS BMG majors that intend to graduate with the class of 2012, 2013, 2014 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.

SENIORS: Do not need to submit a "Revision to a Declared Major / Minor form" to CCAS; however, please make sure your academic plan is current with the [UPBM administrator](#). The UR audit that is posted in student access will be updated after the departmental review takes place at the end of October.

Society for Undergraduate Biology Students (SUBS)

Mission / Volleyball Games / New President / Upcoming Events

SUBS Mission: "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=11111267>

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.

This year's SUBS president is [Jeffrey Bulger](#), 12, BMB.

Upcoming Events

- * 10/13/11 Thursday: General Information Meeting Wilson Commons Gowen Room
- * 10/14/11 Friday: SUBS Volleyball Game (Faculty vs. Students) Goergen Court A

National Conference on Undergraduate Research

NCUR 2012 will be hosted by Weber State University, Ogden, Utah March 29-31, 2012

NCUR is an annual conference (the only one of its kind, with a national scope) for primary research and artistic performance by undergraduate students, encompassing the natural and social sciences, the humanities, the arts, and engineering. Since its beginnings the conference has enjoyed the active support of major American colleges and universities. The UR Office of Undergraduate Research began sending students to NCUR in 1991. Student

investigators may present their work at NCUR as an oral presentation or in a poster format. NCUR participants are also eligible to submit texts of their presentations to be considered for publication in the annual NCUR Proceedings, a juried publication.

For More Information visit: <http://rochester.edu/college/ugresearch/ncur/index.html>

Opportunities

Links to Program Information

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 <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 BiolGERT 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 2012 Summer Field Program www.lumcon.edu/education/university/summer

Kupcinet-Getz International Summer Science School 2011
<http://www.fgs.org.il/en/>

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

MedLife
<http://www.medlifeweb.org/>

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

NASA Space Radiation Summer School
<http://www.dsls.usra.edu/spacerad/2011>

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

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

The National Cancer Institute's Integrative Cancer Biology Program
http://icbp.nci.nih.gov/summer_program/

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/>

The Nemours Summer Undergraduate Research Scholarship at Alfred I. duPont Hospital for Children

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

Northeastern University Three Seas Program
<http://www.threeseas@neu.edu>

Pasteur Foundation Internship in Paris
<http://www.pasteurfoundation.org/documents/PasteurInternshipApp2011.pdf>.

Physician Assistant Education Website
<http://physician-assistant-ed.com/>

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

Rochester Academic of Science Student Research Grants
<http://www.rasny.org/>

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

Sloan-Kettering Summer Undergraduate Research Program /
<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>
 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 2011 in Molecular and Cellular Biosciences <mailto:http://www.wadsworth.org/educate/molcel.htm>

Helpful Links

Information to Other UR Departments

- Athletics
- Biology Department
- Dining
- Directory
- Employee Discounts
- Facilities
- Libraries
- Undergraduate Program in Biology & Medicine
- University Information Technology
- University Counseling Center

Contact Us

We've Moved

Over the summer the UPBM office has moved from Hutchison 402 to Hutchison 488.

Please feel free to send submissions and / or any feedback to the [UPBM Administrator](#).

UPBM e-news is produced by the Department Of Biology, Undergraduate Program in Biology & Medicine during the academic year. You are receiving this message as a member of the UPBM community. Please do not forward this newsletter to other distribution lists. If you are receiving multiple copies or believe this message was sent to you in error, please contact the [UPBM Administrator](#).