

Undergraduate Program in Biology and Medicine

University of Rochester
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[UPBM Website](#)

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January/February 2010

e-Newsletter

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JUNIORS - deKiewiet Fellowship Summer 2010 Pre-applications & PI Letter of Support Due Monday 2/15/10

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.

UPBM Majors in their junior year are invited to submit competitive applications. UPBM majors include: BA Biology (BIO), BS Biochemistry (BBC), BS Cell and Developmental Biology (BCD), BS Ecology and Evolutionary Biology (BEB), BS Molecular Genetics (BMG), and BS Neuroscience (BNS).

de Kiewiet Fellows work for ten weeks during June, July, and August in the lab of their research mentor and present a poster in the UPBM Poster Session in October of their fellowship year. Fellows receive a \$4000 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, 2/15/10.

For more fellowship details and link to pre-application visit: http://www.rochester.edu/College/BIO/UPBM/deKiewiet/2010_PreAppInfo.pdf.

See last year's ('09) deKiewiet fellows and research titles visit: http://www.rochester.edu/College/BIO/UPBM/deKiewiet/dekiewiet_09_PhotoAlbum.pdf.

SENIORS – DEGREE WITH DISTINCTION IN RESEARCH

Applications for Candidacy Due Monday, March 1, 2010

Majors in the Undergraduate Program of Biology and Medicine (UPBM) that would like to obtain a level of distinction in research must apply for candidacy during their senior year and have a minimum grade point average of 2.7 in the coursework comprising their major (excluding allied field courses.) Applications for Candidacy can either be downloaded or picked-up at the UPBM office and should be submitted to the UPBM office with the endorsing signatures of their thesis and academic advisors by Monday, March 1st, 2010. Applying for candidacy requires that a Senior Thesis be written and defended at an open meeting of the student's advisory committee.

Please note that a senior thesis may be written using research performed at the U of R or other institutions as long as the student collaborates their senior thesis with a U of R faculty member. Students may use research obtained through various means including: Independent Research (395) courses, fellowships, internships (paid or un-paid), and voluntary work. For more details and link to form visit:
<http://www.rochester.edu/college/BIO/UPBM/DegreeWithDistinction/Information2010.pdf>.

MED SCHOOL APPLICATION ON THE HORIZON?

Note from Scott MacPhail, Ph.D., Academic Counselor Health Professions Coordinator and REMS Coordinator Center for Academic Support

Attend a Health Professions Information Session to learn more about the application process. Juniors and seniors starting or planning their applications should attend one of these hour-long sessions. You will learn more about the MCAT, the AMCAS and AACOMAS applications, letters of recommendation, how to choose schools and much more. Visit the Health Professions Webpage for more information visit:
<http://www.rochester.edu/College/CCAS/healthprofessions.html>

Times and Locations for sessions:

- Wednesday, January 20 (4 p.m.) Lattimore 540
- Tuesday, January 26 (12 noon) Lattimore 306A
- Monday, February 1 (4 p.m.) Lattimore 401
- Friday, February 19 (4 p.m.) Lattimore 401
- Tuesday, March 2 (12 noon) Lattimore 306A
- Monday, March 15 (4 p.m.) Lattimore 401

There will also be a separate session on Wednesday, Feb. 24 at 4:00 p.m. for students applying to dental, veterinary and other health professional programs.

INDEPENDENT RESEARCH (395) COURSES

Information and Registrations Deadlines for spring '10

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. Students earn academic credit for their work. For Independent Research (395) course guidelines visit:
<http://www.rochester.edu/College/BIO/UPBM/indres/upbmiindres2.htm>

For resources to help find mentors visit:
<http://www.rochester.edu/College/BIO/UPBM/indres/ResearchResources.htm>.

For information and form to register an Independent Research (395) course visit:
<https://secure1.rochester.edu/biology/IND/>.
Last day to add a:

- 4-credit 395 course: Tuesday, 2/2/10
- 3-credit 395 course: Tuesday, 2/16/10
- 2-credit 395 course: Tuesday, 3/2/10

AMGEN SCHOLARS PROGRAM - COLUMBIA U.

Application deadline is February 2, 2010

The program provides \$4,000 stipends plus housing for 25-30 undergraduates to perform biology-related research in laboratories at Columbia University and Barnard College for 10 weeks during the summer. In addition to working on original research, the students meet on a weekly basis with other undergraduates performing research at Columbia to present and discuss their work. Our Amgen Scholars Program website is located at
<http://www.columbia.edu/cu/biology/ug/amgen/>

AMGEN SCHOLARS PROGRAM - UC BERKLEY

Application Deadline Tuesday, February 2, 2010

UC Berkeley is pleased to announce the 2010 Amgen Scholars Summer Research Program in Science and Biotechnology. This national program provides participants with the opportunity to conduct research with a faculty member, obtain college research units, and receive a stipend, housing, meal plan, and transportation to and from the UC Berkeley campus.

Program dates are May 31 - August 6, 2010 and the application deadline is Tuesday, February 2, 2010. Berkeley welcomes applications from your students and appreciates if you would forward this information to your colleagues.

For more information about the program, please visit the following sites:
UC Berkeley Amgen Scholars Program Website at
<http://amgenscholars.berkeley.edu>
National Amgen Scholars Program at
<http://amgenscholars.com>

REU PROGRAM IN SYSTEMS BIOLOGY – U OF CHICAGO
Application Deadline March 1, 2010

In 2010 the **Chicago Center for Systems Biology** (CCSB) seeks highly qualified undergraduates for **Research Experiences for Undergraduates** (REU) Fellowships. Stipends are \$4,000 per ten-week summer quarter (June 14- August 20, 2010) for projects, or per year for honors research activities. They will be awarded on a competitive basis based on academic excellence, motivation, scientific potential, compatibility of personal interests, and long-term career goals aligned with research interests of the CCSB. Applicants with computational science backgrounds are especially encouraged to apply. All participants must be U.S. citizens or permanent residents. Students must be enrolled in (but not yet graduated from) an accredited undergraduate college degree program with a concentration in a biological science field.

For more information visit: www.chicago-center-for-systems-biology.org

2009 UPBM POSTER SESSION

Photo Album

Visit:http://www.rochester.edu/college/BIO/UPBM/UPBMPPosterSession/2009_PhotoAlbum.pdf.

UPCOMING EVENTS

January 22 (Friday) 3:00 PM

Hutchison 316

Dr. Colin Meiklejohn, University of Rochester

"Genetic conflict and sex chromosome evolution"

January 25 (Monday) 12:00 PM

Joint Seminar with the Developmental Center for AIDS Research (D-CFAR)

Hutchison 473

Dr. Damian Krysan, University of Rochester

"Genetic approaches to Candida albicans pathogenesis and antifungal drug discovery"

January 29 (Friday) 3:00 PM

Hutchison 316

Dr. David Lambert, University of Rochester

"The snail Ilyanassa as a model for spiralian development"

February 1 (Monday) 12:00 PM

Hutchison 473

Dr. Carl C. Correll, Rosalind Franklin University of Medicine & Science

"RNA Chaperone Activity in Ribosome Biogenesis"

February 5 (Friday) 3:00 PM

Hutchison 316

Daniel Scantlebury, University of Rochester

"Patterns of adaptive radiation in Greater Antillean Sphaerodactylus geckos"

February 8 (Monday) 12:00 PM

Hutchison 473

Dr. William Kelly, Emory University

"Meiotic Silencing and Sex Chromosome Evolution in C. elegans"

February 12 (Friday) 3:00 PM

Hutchison 316

Mahul Chakraborty, University of Rochester

"TBA"

February 15 (Monday) 12:00 PM

Hutchison 473

Dr. Thomas Schwarz, Harvard Children's Hospital

"Moving Mitochondria and Making a Synapse: Two Challenges for Neuronal Cell Biology"

February 22 (Monday) 12:00 PM

Hutchison 473

Dr. Trudi Schupbach, Princeton University

"Control of EGF receptor activity and dorso-ventral patterning in Drosophila"

February 26 (Friday) 3:00 PM

Hutchison 316

Jing Zhu, University of Rochester

"The effect of sexual selection on adaptation in Drosophila melanogaster"

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.bioigert.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

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/>

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>

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

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

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](#)
[Parking](#)

CONTACT US

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

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