

# UPBM E-NEWSLETTER

Undergraduate Program in **B**iology and **M**edicine

UPBM E-NEWSLETTER January 2012

## Contents

Invitation to Senior  
UPBM Majors.....pg 1

Obtaining a Degree with  
Distinction in  
Research.....pg 1-2

2012 Summer  
Fellowship /  
DeKiewiet.....pg 2-3

Message from the UR  
Fellowships Office  
Seniors.....pg 3

Opportunities.....pgs 3-4

Helpful Links.....pg 5

Contact Us.....pg 5



## Invitation to Senior UPBM Majors

**BA BIO, BS BBC, BS BEB, BS BCD, BS BMB & BS BMG Majors**

The Biology Department would like to invite you to meet with one of our faculty to have a friendly discussion about how you are doing, what your plans are, what aspects of your biology education at UR has been good or bad, and if there is any advice we might be able to provide. Please note that this is voluntary and you

may choose to meet with any Biology faculty member you feel comfortable with. If you would like to meet with a Biology faculty member, please respond by e-mail to [Marianne Arcoraci](#) with the names of one or two faculty members you would like to meet with at your earliest convenience.

## Obtaining a Degree with Distinction in Research

**Application for Candidacy Due Thursday, March 1st, 2012**

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.

Planning of a senior thesis generally begins before or at the beginning of the senior year. Students should consult both their major/track coordinator and research advisor beforehand. Students may use research obtained through Independent Research (395) courses, fellowships, internships, and voluntary work to

compose their senior thesis. Research performed at other institutions may be used as long as the thesis is written under the supervision of a U of R full-time faculty member.

Interested students must submit an [application for candidacy](#) to the UPBM office (Hutchison 402F) with the endorsing signatures of both their research mentor and major/track coordinator by, **Thursday March 1st, 2012**. Please note that students do not need to register an Independent Research (395) course to do a senior thesis unless necessary to complete experimentation.

The candidate's major/track coordinator will work with the research advisor to form an examination committee. An examination committee usually consists of three faculty members: the major/track coordinator or designated appointee, the research advisor, and a third faculty member within a relevant area of study. The UPBM Administrator will notify candidates with the names of faculty who will serve on their examination committee during the week of March 26th.

It is the responsibility of the candidate to contact the examination committee members to schedule a date and time for the defense. Candidates should initiate this process as soon as the examination committee is formed as it may be difficult to coordinate a mutual date, time and conference room by **Friday**

**April 13th, 2012**. Final arrangements should also be communicated to the UBPM office by 4/13/12. Senior thesis papers should be a minimum of 20 pages in length and written as a scientific paper using supporting text, diagrams, figures, and properly noted references. Candidates must provide copies of their thesis to each of their committee members and the [UPBM office](#) at least **one week in advance** of their thesis defense. Please note that failure to comply may result in the cancellation of the defense.

Students should prepare a 20-minute presentation and should be prepared to answer questions during an oral examination. If the committee agrees, the seminar may be open to guests; however, the oral examination will be closed.

The thesis defenses must be completed and the results communicated to the UPBM office in writing by the end of the first week in May, **Friday May 4th, 2012**. Upon successful completion Distinction in Research will be noted on transcripts and a certificate awarded at the student's diploma ceremony. Please contact the [UPBM Administrator](#) with questions

**Related:**

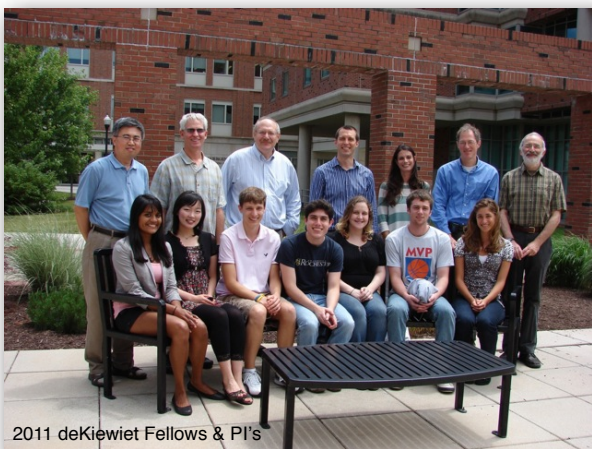
[Degree with Distinction in Research Guidelines](#)

[Timeline for Planning a Senior Thesis](#)

[Application for Candidacy](#)

## 2012 Summer deKiewiet Fellowship

Pre-applications and PI Letter of Support Due Friday February 9th, 2012



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...

All rising junior UPBM majors who are officially declared are eligible to apply for the deKiewiet fellowship. UBPM majors include the following tracks BA BIO (Biology), BS BBC (Biochemistry), BS BCD (Cell and Developmental Biology), BS BEB (Ecology and Evolutionary Biology), BS BMB

(Microbiology), BS BMG (Molecular Genetics), and BS BNS (Neuroscience).

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](#) and two letters of support by midnight on Friday, February 9th, 2012.

Pre-applicants will be notified if they have been selected to submit a [formal proposal](#) by 5:00 p.m. on Monday, February 20th, 2012. The deadline for

formal applications is noon on Monday, March 19th, 2012. Final decision will be communicated by 5:00 p.m. on Friday, March 30th, 2012.

All pre-applications and proposals are evaluated by the UPBM Advising Committee. Please e-mail the UPBM administrator, Marianne Arcoraci ([marianne.arcoraci@rochester.edu](mailto:marianne.arcoraci@rochester.edu)) with any questions.

**Related:**

- [Pre-application](#)
- [Formal Proposal Requirements](#)
- [deKiewiet Fellowship Website](#)
- [deKiewiet 2011 Photo Album](#)

## Message from the UR Fellowships Office to Seniors

### National Scholarship & Fellowship Opportunities you Can't Afford to Ignore

I know you're focused on finals and going home for break, but here's a reminder of some wonderful post-graduate opportunities (U.S. and international graduate study, service programs, internships) which you will miss out on if you don't stop to consider them soon. Some of these fellowships and awards have been mentioned in previous emails earlier this semester; a few are new announcements. Website addresses are given only for those programs not currently listed on the UR student fellowships website. Also, unless an award is specified below as being open to students of any national origin, eligibility is limited to U.S. citizens or permanent residents. I hope you'll pause to consider opportunities

relevant to your post-UR interests and goals. Do let me know if you apply or intend to apply for an award.

For list of national scholarships & fellowships visit: <http://www.rochester.edu/college/studentfellowships/>

The fellowships office is located in Dewey Hall, room 4-209B

Appointments: 585.276.5869

Walk-In Hours: Tuesday, 1:00 p.m. - 3:30 p.m. and Wednesday, 10:00 a.m. - 11:30 a.m.

## 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](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>

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](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 / Masters Program in Microbiology & Immunology: [www.microbiology.columbia.edu](http://www.microbiology.columbia.edu)

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

Cornell University, College of Agriculture & Life Sci. NYS Agricultural Experiment Station Summer Research Scholars Program: <http://www.scholars.pppmb.cals.cornell.edu/>

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 Links to Internships in Scientific Research of Medicine [http://www.fhcrc.org/science/education/Cancer%20Research%20Internships\\_FHCRC%20site.pdf](http://www.fhcrc.org/science/education/Cancer%20Research%20Internships_FHCRC%20site.pdf)

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/>

Homeland Security DHS Education Programs <http://www.orau.gov/dhseducationprograms/>

Institute for Health Metrics and Evaluation (IHME) Post-Bachelor Fellowship <http://www.facebook.com/pages/IHME-Post-Bachelor-Fellowship-Program/215770165122763?sk=info>

The University of Iowa Summer Undergraduate MSTP Research Program <http://www.healthcare.uiowa.edu/mstp/>

LUMCON 2012 Summer Field Program [www.lumcon.edu/education/university/summer](http://www.lumcon.edu/education/university/summer)

Journal of Undergraduate Research (JUR) <http://sa.rochester.edu/jur/>

Journal of Young Investigators (JYI) <http://www.jyi.org/participate.php>

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 Academies 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/](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  
<http://www.nemoursresearch.org/Scholarship/>

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/pdf/PasteurInternshipApp2012.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.edu/education/summer-programs>

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

South Western Medical Center Summer UG Research Fellowship (SURF) <http://www.utsouthwester.edu/SURF>

South Western Medical Center Quantitive and Physical Science Summer Undergraduate Research Fellowship (QP-SURF) <http://www.utsouthwester.edu/QP-SURF>

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>

Weizmann Institute of Science Annual Kupcinet-Getz International Summer Science School  
<http://www.fgs.org.il/en/article.php?id=221/>

## 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 Want to Hear from You

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

*Have a fabulous and safe  
 holiday season*

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