

# UPBM E-NEWSLETTER

## Undergraduate Program in Biology and Medicine

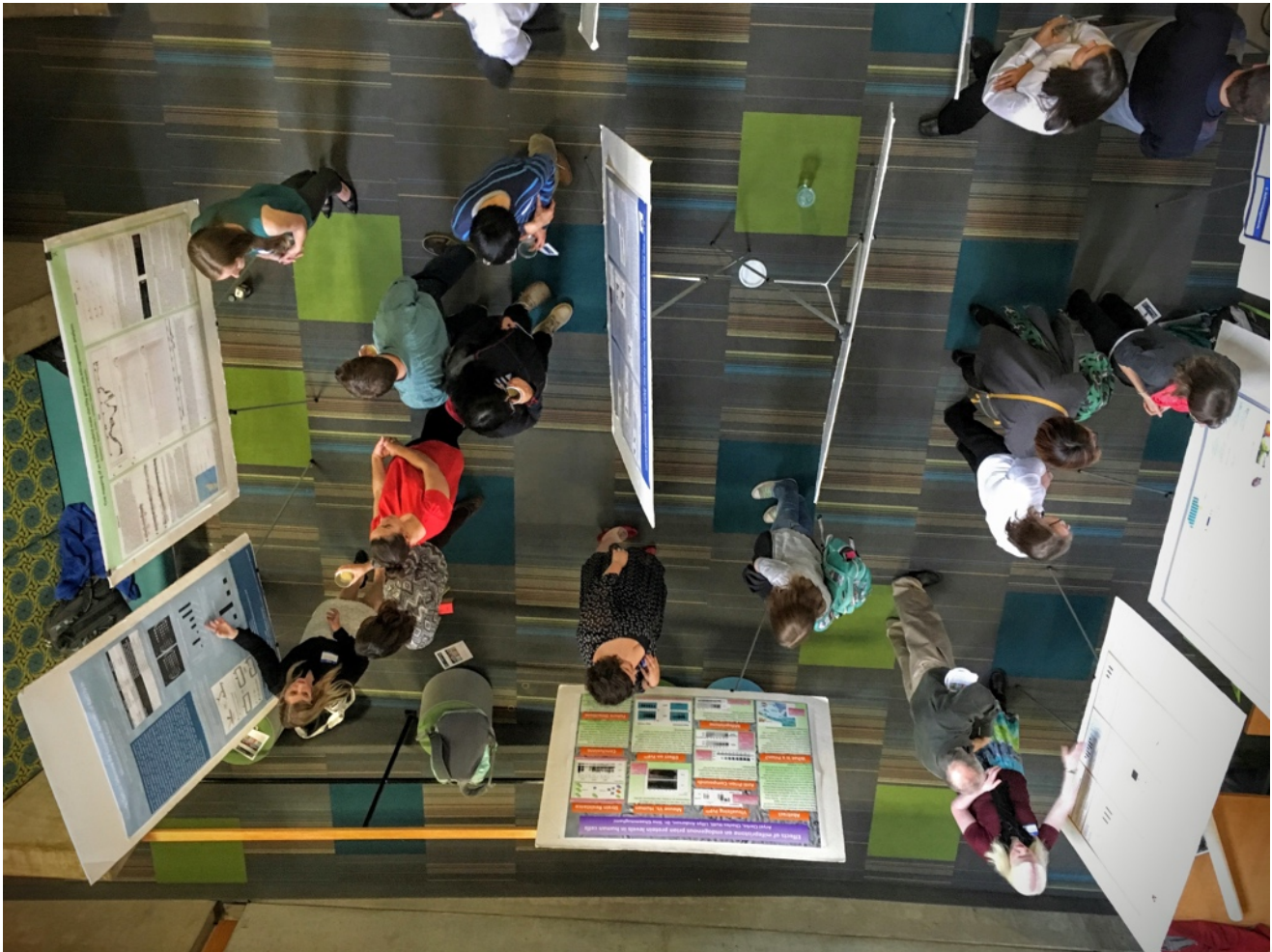


Photo by Dr. Cheeptip Benyajati. Poster Session Friday 10/9/15

## Links

- ▶ Biology Department Newsletter
- ▶ Senior Slide Show 2015
- ▶ UPBM Alumni - Where Are They Now?
- ▶ UPBM E-News Archive
- ▶ UPBM Home Page - New!



## UPBM Poster Session 2015

### Huge Success - Relive the Magic

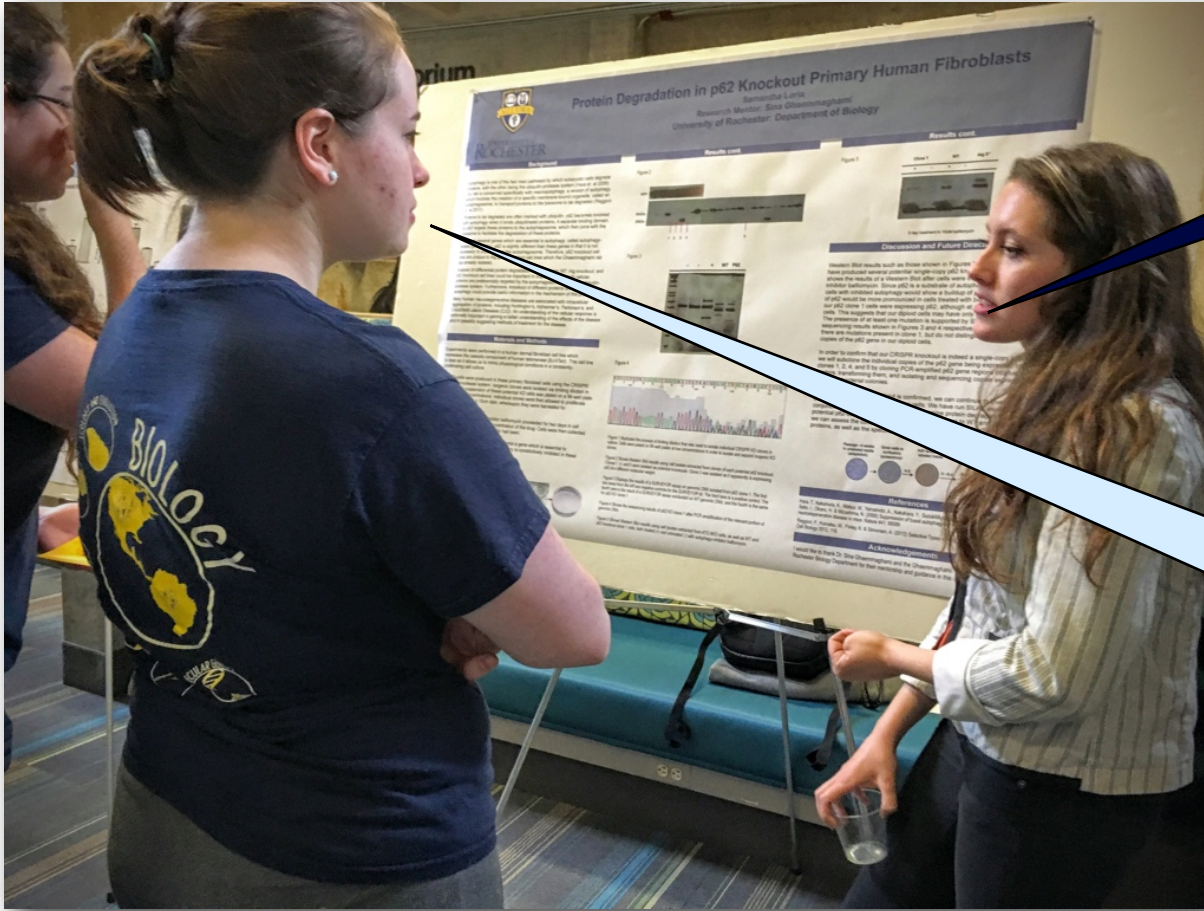
Many thanks to the UPBM majors who presented their research in this year's poster session as well as to those who came out to support their colleagues. The event was a huge success.

Dr. Benyajati took several pictures which have been turned into a slide show so that you can "Relive the Magic." Click on the following link to visit the slideshow on-line: [UPBM Poster Session Slide Show](#)

The presenters for 2015 are:

- ◆ Joshua Acklin '17, BMB
- ◆ Madalynn Bryant '17, BMG
- ◆ Melanie Busch '16, BBC
- ◆ Aryel Clarke '17, BBC
- ◆ Allen Cui '16, BMG
- ◆ Qurratul-Ain Dar '16, BMG
- ◆ Ali Khan '16/T5, BBC
- ◆ Christopher Kim '16, BMB
- ◆ Samantha Loria '16, BMG
- ◆ Allison Martin '16, BIO
- ◆ Rose Richter '16, BIO
- ◆ Logan Schwartz '16, BMG
- ◆ Victor Wang '16, BMG
- ◆ Luoying Yang '16, BNS
- ◆ Christine Ziegler '16, BMG/CHM

UNDERGRADUATE PROGRAM IN BIOLOGY AND MEDICINE (UPBM) E-NEWS



Where did you get that awesomely cool T-Shirt?

People ask me that all the time!  
 These shirts are available on-line for the amazingly low price of \$10.00.  
 Visit the following link to order:  
<http://goo.gl/forms/tmgIF9RkIK>

2015 UPBM Poster Session - Samantha Loria '16, BMG with Marina Brace '16, BCD



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## UNDERGRADUATE PROGRAM IN BIOLOGY AND MEDICINE (UPBM) E-NEWS

### Gwen Green Career & Internship Center

#### Upcoming Health Profession Events & Opportunities

Hello from the Office of Health Professions Advising! Please review the following announcements with information about upcoming events and opportunities for students interested in the health professions.

#### HEALTH PROFESSIONS UPCOMING SEMINARS

**Application Timeline:** Are you the best candidate you could be? Friday 11/20/15 at 11am in the Career and Internship Center Conference Room (4th floor Dewey Hall)

If you are thinking about applying to Medical, Dental or Veterinary school, come to learn about the application timeline and determine if you are the best candidate you could be and how to improve your candidacy.

**HPQ Process Seminar:** Monday 11/23/15 at 1pm in the Career & Internship Center Conference Room (4th floor Dewey Hall)  
Join the Office of Health Professions Advising for one of the upcoming seminars to discuss the HPQ process. This session will cover the Health Professions Questionnaire, Health Committee Letter, eligibility, requirements and deadlines. Students who do not attend this seminar will not be eligible for a health committee letter.

**Information Session at the UR:** Friday, 11/20/15 at 12:15pm, Career & Internship Center Conference Room, Dewey 4-200  
University at Buffalo School of Pharmacy and Pharmaceutical Sciences Information Session  
Join Jennifer Hess, Assistant Dean and Director of Admissions and Advisement to discuss what it takes to be a competitive pharmacy applicant.

#### SEMINARS, LECTURES AND PRESENTATIONS

Graduate School of Biomedical Sciences Weekend Symposium and Career Workshop January 15-16, 2016, Houston, TX

- The Friday Symposium is designed to illustrate how state-of-the-art basic science research is conducted and rapidly translated to improve clinical and public health outcomes.
- It may be of special interest to undergraduates interested in MD/PhD programs that are considering a PhD in the biomedical sciences that involves dissertation research with a clear potential for a clinical or translational impact.
- The Saturday Workshop has been specifically designed for current and prospective MD/PhD students. There is no registration fee, but please register in advance Register by December 1, 2015. <https://gsbs.uth.edu/symposium/registration.htm>

#### OPEN HOUSES AND CAREER FAIRS

Georgia Campus - PCOM community, Pharmacy Open House Friday, December 11th from 5:30pm- 8:00pm.

- Students will be available to address any questions you may have about the program; tours of campus will be conducted that evening and light refreshments will be served.
- For more information visit: <http://www.pcom.edu>

#### MCAT INFORMATION

AAMC Practice MCAT Test (Scored)

- Up to 20 "starts," which means you can take the exam up to 20 times.
- An optional "Simulate Actual Test" setting to take the practice exam with the same timer as the actual timed exam.
- A score report that includes a scaled score and percentile rank for each section and in total, total correct answers in each section, number of incomplete questions, and more.  
Summary of the "Why did I miss this question" feature, to help you understand and improve your test taking skills.
- For more information, please visit the [AAMC MCAT Practice Exam One Website](#).

#### CLINICAL OPPORTUNITIES

Full-time clinical research position under Dr. Asbell at the Icahn School of Medicine at Mount Sinai Department of Ophthalmology among graduating pre-med seniors, post-bacc, and alumni:

- Full-time experience – minimum 1 year commitment – Volunteer (possibility of paid position if can commit to 2 years)
- The clinical research unit in the Department of Ophthalmology at Mount Sinai School of Medicine is looking for additional help with clinical research activities.

Continued on next page

## UNDERGRADUATE PROGRAM IN BIOLOGY AND MEDICINE (UPBM) E-NEWS

- Past Research Fellows/ Clinical Coordinators have used this experience to determine their interest in a career in medicine and enhance their resumes for applying to medical and/or graduate school.
- Volunteers have hands on experience in clinical research that may lead to presentation at professional meetings and co-authorship in peer reviewed papers. They will be involved with patient care, protocol design, data collection, and analysis.
- Interested candidates should send their resume and dates of availability to: Brendan Barry, Research Fellow/ Clinical Coordinator, 212-824-7644, [brendan.barry@mssm.edu](mailto:brendan.barry@mssm.edu)

### VOLUNTEER ABROAD

'Unite for Sight' opportunity to volunteer abroad for students interested in public health, medicine, social entrepreneurship or international development:

- Locations include Ghana, India and Honduras
- Volunteers participate with and learn from unite For Sight's talented local partner doctors.
- To learn more about this opportunity, please visit: <http://www.uniteforsight.org/volunteer-abroad>

General questions? Contact: [urhealthprofessions@UR.rochester.edu](mailto:urhealthprofessions@UR.rochester.edu)

Health Professions Advising <http://www.rochester.edu/college/ccas/health/>

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## Study Break Pizza Party / Food Drive

Sponsored by the Biology Department & the Society Undergraduate Biology Students (SUBS)



Take a break from studying and join us on Tuesday 12/15/15 between 12 - 2pm in Hutchison 341 for pizza, science, and fun and support the Community Food Cupboard of Rochester.

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.."

SUBS plans many events throughout the year so stay tuned for more information on club events and dates.

Students can join by visiting the SUBS Website or by contacting the Club President, Christine Zeigler: [c.ziegler@rochester.edu](mailto:c.ziegler@rochester.edu)



T-Shirts will be available to purchase for \$10 each at the Pizza Party so be sure to bring CA \$H!!!!!!!!!!!!.

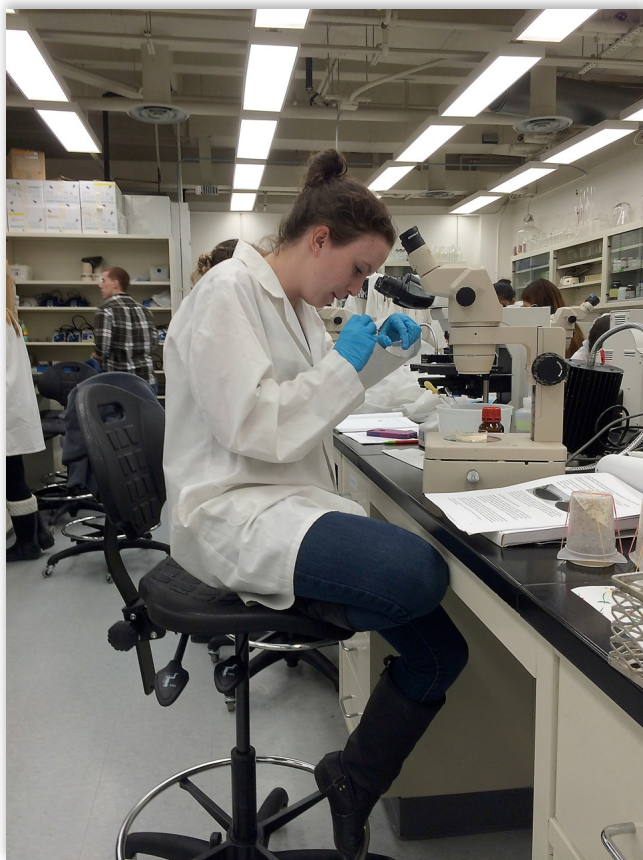
### Related:

[Society for Undergraduate Biology Students Website](#)  
[On-line SUBS T-shirt Order Form](#)

## UNDERGRADUATE PROGRAM IN BIOLOGY AND MEDICINE (UPBM) E-NEWS

## Independent Research (395) Bio Science Courses

Overview, Registering, Deadlines...



Allow UR undergraduate students to gain research experience in the laboratories of biological science labs (on River Campus or in the URM) for academic credit during the fall and spring semesters.

Students will need to find a faculty research mentor who works within their area of interest and will agree to instruct a research course. Visit website for tips on [Finding a Research Mentor](#).

Once a mentor is found students will need to go through the process of registering the course within the first two weeks of the semester.

Although independent research is not a typical lecture hall experience it does require defined objectives, learning outcomes, contact hours, and criteria for evaluation that is typically associated with any credit-bearing course.

The research associated with these courses must be rooted within the biological sciences and is non-clinical in nature. Although some scientific arguments may be inspired through clinical studies it is expected that the proposed research will yield data from experimentation that involves laboratory and/or computational methods that is performed and analyzed by the student enrolled in the course.

The research must be conducted under the supervision of a faculty research mentor who is a member of the UR "Teaching Faculty".

The process of registering a Bio Sci independent research course is different from the usual on-line registration process. The form to register is available on the [CCAS Independent Study Website](#); however, students will need to consult the [Bio Sci Independent Research website](#) for further instructions on how to register beforehand.

Please note that two (2) instructor permission codes (IPCs) will be needed. The first IPC will need to be obtained through the faculty member who will be instructing the course. If the instructor does not have an IPC then the faculty will need to contact the [Office of the University Registrar](#) to get it. Please note that IPC codes are changed each semester; therefore a new IPC will need to be obtained for future research courses.

The second IPC code may be obtained through following the steps outlined on the [How to Register for Bio Sci Independent Research webpage](#).

Forms with academic advisor signatures must be submitted to the [UPBM Office](#) for approval to get the 2nd IPC code by the following dates:

- ▶ **4 credit courses** - Due on the Friday of the first full week of semester - **Spring 1/22**
- ▶ **3 credit courses** - Last Friday of the first month of the semester - **Spring 1/29**
- ▶ **2 credit courses** - Second Friday of the second month of the semester - **Spring 2/12**

Should the deadline for UPBM approval be missed the course instructor will be required to e-mail the UPBM office to confirm that the course has been meeting regularly.

**Related:**

- ▶ [Credit Regulations](#)
- ▶ [Deadlines](#)
- ▶ [Finding a Research Mentor](#)
- ▶ [How to Register](#)
- ▶ [Requirements](#)
- ▶ [Research Connections Newsletter](#)
- ▶ [Lists of Faculty who have instructed Bio Sci 395 courses in the past \(sorted by Department\) w/ e-mail contact info](#)

## UNDERGRADUATE PROGRAM IN BIOLOGY AND MEDICINE (UPBM) E-NEWS

## de Kiewiet Summer Fellowship 2016

Open to Junior UPBM Majors

de Kiewiet Fellows work for ten weeks during June, July, and August in the lab of their research mentor and receive a stipend (\$4000.00). In addition, fellows will need to create and present a poster of their research findings at the UPBM Poster Session in October of their fellowship year.

UPBM majors include the following tracks BA BIO (Biology), BS BBC (Biochemistry), BS BCD (Cell and Developmental Biology), BS BCB (Computational Biology), BS BEB (Ecology and Evolutionary Biology), BS BMB (Microbiology), BS BMG (Molecular Genetics), and BS BNS (Neuroscience).

**The Application Process:**

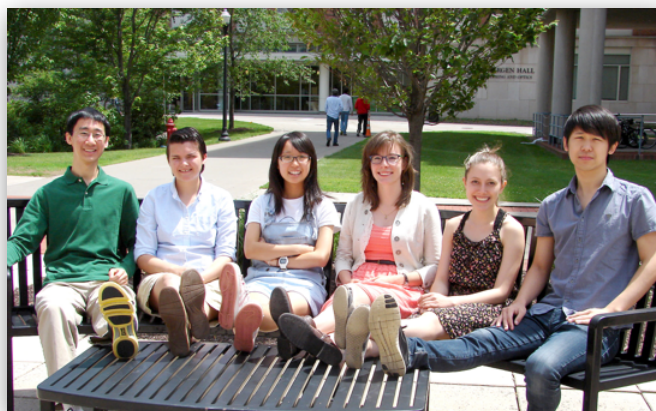
1. Find a research mentor
2. Email "Letter of Intent" to by Monday March 7th.
3. Upload to blackboard by Monday March 14th:
  - a. Formal Scientific Proposal
  - b. Summary of "Relevant Professional Experience"
  - c. Summary of "Research and Career Goals"
4. Ask the faculty who have agreed to mentor the project to submit a Letter of Recommendation and Statement of Authorship directly to the UPBM administrator by Monday March 14th
5. Ask another faculty member (preferably within the scientific field) to write a letter recommendation and send it directly to the UBPM Administrator by Monday March 14th.

The UPBM Advising committee will review and rank all proposals. Decisions are usually communicated by mid April.

**All interested should visit the following website for further information needed to complete the application process:** [deKiewiet Summer Research Fellowship Webpage](#).

**Related:**

- ▶ [Guidelines](#)
- ▶ [Requirements](#)
- ▶ [Finding a Research Mentor](#)
- ▶ [Past Fellows](#)



2015 deKiewiet Fellows: Left-Right: Victor Wang '16, BMG; Allison Martin '16, BIO/PSY; Luoying (Fifi) Yang '16, BNS/APM; Rose Richter '16, BIO; Samantha Loria '16, BMG/HIS; Christopher Kim '16, BMB

## Opportunities

Any Feedback on these Programs Welcome

[Alaskan Observers North Pacific Ground Fish Observer](#)  
[North Pacific Ground Fish Observer Position Openings](#)

[Albert Einstein College of Medicine](#)  
[Summer Undergraduate Research Program](#)

[Amgen Scholars](#)  
[Amgen-UROP Scholars Program](#)

[Amgen Scholars](#)  
[Program Homepage](#)

[Case Western Reserve University](#)  
[Summer Programs](#)

[Case Western Reserve University](#)  
[Summer UG Research in Pharmacology](#)

[Chicago Center for System's Biology](#)  
[Research Experiences for Undergraduates Summer Program](#)

[Cincinnati Children's Hospital](#)  
[Summer Undergraduate Research Fellowship \(SURF\)](#)

[City Internships](#)  
[Program Overview](#)

[Cleveland Clinic Center for Reproductive Medicine](#)  
[Summer Internship Program](#)

[Cold Spring Harbor Watson School of Biological Sciences](#)  
[Summer Undergraduate Research Program](#)

[Columbia University](#)  
[IGERT Research Program for Undergraduates](#)

## UNDERGRADUATE PROGRAM IN BIOLOGY AND MEDICINE (UPBM) E-NEWS

Columbia University / Barnard College  
[Amgen Scholars Summer Research Program](#)

Cornell University  
[Boyce Thompson Institute for Plant Research Internships](#)

Cornell University, College of Agriculture & Life Science  
[Summer Research Scholars Program](#)

Davis Projects for Peace  
[Kathryn W. Davis Summer Fellowship](#)

Deutscher Akademischer Austausch Dienst (DAAD)  
[Paid Research Internships in Germany](#)

Duke University / Robert Noyce  
[Teacher Fellowship Program](#)

EPA Internships  
[Medical Research and Health Science Internships Available in Europe!](#)

Fulbright Scholarship  
[US Student Program](#)

Gerstner Sloan-Kettering  
[Summer Undergraduate Research Program](#)

GEHI  
[Ghana Health and Education Initiative](#)

Goldwater (Barry)  
[Scholarship & Excellent in Education Program](#)

Harvard Medical School  
[Summer Undergraduate Research Internship Program](#)

Harvard School of Public Health  
[Summer Program in Biological Sciences Public Health](#)

Hutchinson (Fred) Cancer Research Center  
[Summer Undergraduate Research Program](#)

Hutchinson (Fred) Cancer Research Center  
[Internships in Scientific Research or Medicine](#)

Homeland Security DHS Education Programs  
[HS-STEM Summer Internship Program](#)

Institute for Health Metrics and Evaluation (IHME)  
[Post-Bachelor Fellowship](#)

Journal of Young Investigators  
[Author Guidelines Requirements](#)

Louisiana University Marine Consortium  
[Summer Field Course Information](#)

MATCH Education  
[Teacher Residency](#)

Mayo Clinic  
[Summer Undergraduate Research Fellowship](#)

MedLife  
[Volunteers](#)

Michigan State Veterinary  
[Enrichment Summer Program](#)

National Collegiate Research Conference (NCRC)  
[NCRC 2016 Applications](#)

Nemours/Alfred I. duPont Hospital for Children and  
 Nemours Office of Health Equity and Inclusion  
[Summer Undergrad Research Scholarship](#)

New York State Dept. of Environmental Conservation  
[Summer Employment Opportunities](#)

One Hear Source  
[Volunteer Opportunities in Africa](#)

One Start  
[Your chance to win US\\$150k to realize your biotech business idea](#)

PIRG - Job Openings for Graduating Seniors  
<http://jobs.studentpirgs.org/>

Projects for Peace  
[Kathryn W. Davis Summer Fellowship](#)

Research Internships in Science and Engineering RISE  
[Deutscher Akademischer Austausch Dienst \(DAAD\)](#)

Roswell Park Cancer Institute  
[Summer Research Programs](#)

Southern Teaching Agency  
[Spring Job Fairs](#)

SUNY Oswego Global Laboratory  
[Summer Science Research Abroad](#)

Teach for America  
[Opportunities](#)

Texas Tech University Health Sciences Center  
[Summer Accelerated Biomedical Research Internship](#)

Tulane University  
[Graduate Program in Biomedical Sciences](#)

The Chicago Center for Systems Biology Summer REU

## UNDERGRADUATE PROGRAM IN BIOLOGY AND MEDICINE (UPBM) E-NEWS

[Summer REU Program in Systems Biology](#)

[The UNCF Merck Science Initiative  
Science Scholarships and Fellowships](#)

[University of Chicago  
REU Program in Computational Neuropsychiatric Genomics](#)

[University of Iowa  
Summer Undergraduate MSTP Research Program](#)

[University of California Berkeley  
Amgen Scholars UG Summer Research Program](#)

[University of Michigan  
Summer at Michigan for Undergraduate Research Training](#)

[University of Missouri  
Summer Research Programs  
Cell and Molecular Biology Summer Research Positions](#)

[University of Notre Dame Environmental Research Center  
Summer Programs](#)

[University of Rochester  
Research Positions](#)

[University of Rochester, RC Libraries  
Research Initiative Award for Undergraduates](#)

[University of Rochester, UPBM  
deKiewiet Summer Fellowship](#)

[University of Tennessee Knoxville  
Summer Research Experience for Undergraduates \(REU\)  
University of Texas South Western  
Summer Undergraduate Research Fellowship SURF](#)

[University of Utah  
Undergraduate Research Programs](#)

[West Virginia University Center for Neuroscience  
Summer Undergraduate Internship SURI Program](#)

[World Teach  
Opportunities](#)

## Helpful Links

[Athletics](#)  
[Biology Department](#)  
[Center for Study Abroad & Interdepartmental Programs](#)  
[Center for Excellence Teaching and Learning](#)  
[Counseling Center](#)  
[Dining](#)  
[Directory](#)  
[Employee Discounts](#)  
[Gwen Green Career and Internship Center](#)  
[Health Professions Advising Office](#)  
[Facilities](#)  
[Information Technology](#)  
[Journal Of Undergraduate Research \(JUR\)](#)

[Kapalan Test Prep and Admissions](#)  
[Libraries](#)  
[My4Org - Your campus cheat sheet](#)  
[Research Connections Newsletter](#)  
[Rochester Academy of Science](#)  
[Student Fellowships Office](#)  
[Undergraduate Program in Biology & Medicine](#)  
[Undergraduate Research Office](#)  
[University Health Services](#)  
[Writing Speaking and Argument Program](#)

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