

# UPBM E-NEWSLETTER

Undergraduate Program in Biology and Medicine



Photo Friday Submission by Katherine Wegman '15, BIO. "Rochester students conquer Mt. Marcy, the tallest peak in New York state."

Left to right: Oscar Lopez Hidalgo, Ariel Nassau, Matthew Lovell, Jeff Bulger, Gabe Schneider, David Wang, Vinit Akolkar, John Dawson, Katherine Wegman, Katie Wissman, and Ben Dick.

## Links

- ▶ [Biology Department Newsletter](#)
- ▶ [Momma Needs a SUBS T-shirt](#)
- ▶ [Senior Slide Show 2014](#)
- ▶ [UPBM Alumni - Where Are They Now?](#)
- ▶ [UPBM E-News Archive](#)
- ▶ [UPBM Home Page](#)
- ▶ [UPBM Calendar for AY 2014-15](#)

## Welcome Back!

### What did you do this Summer?

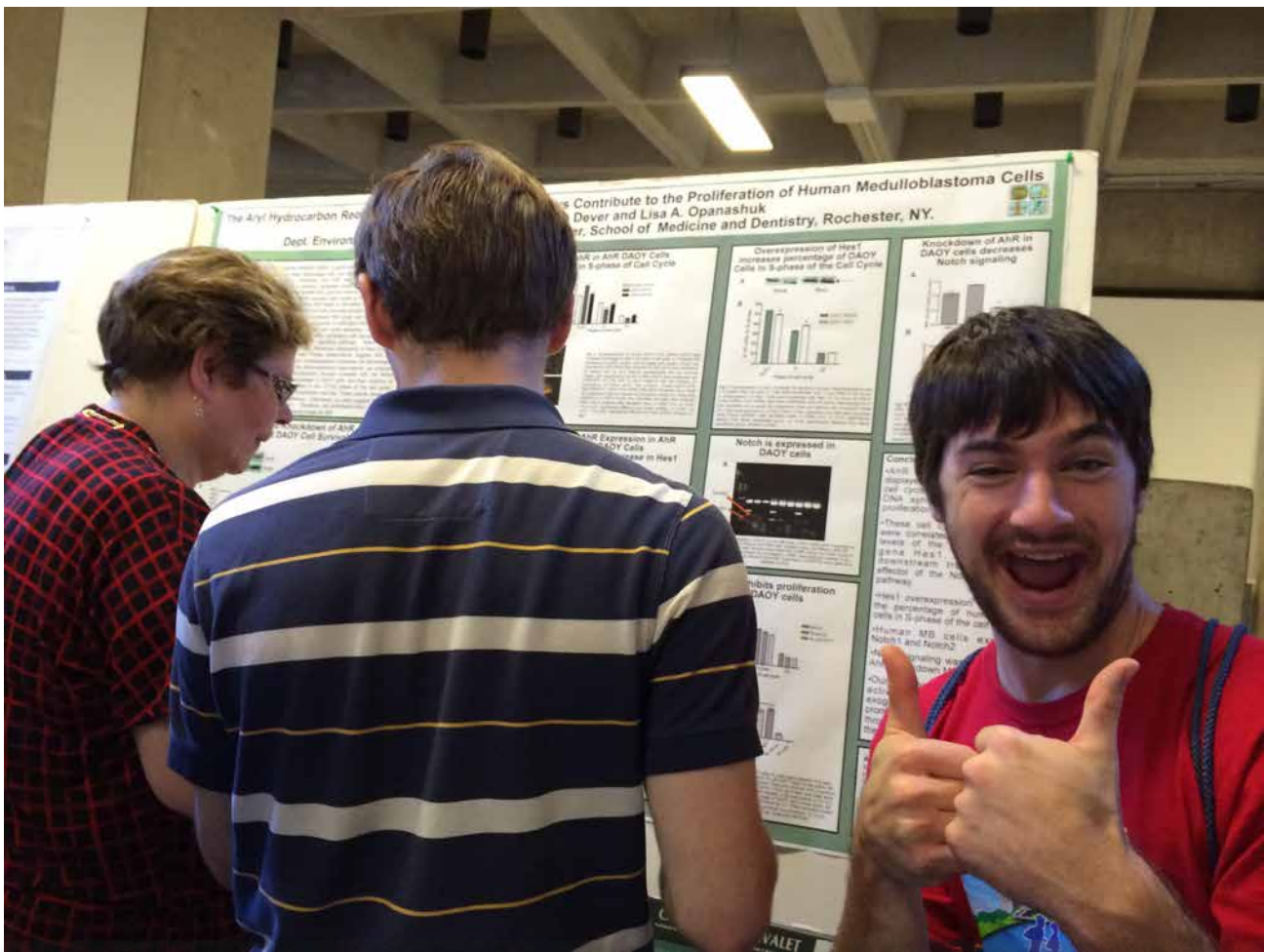
Welcome back UPBM majors! Although the end of summer is well...gut wrenching, The UPBM is glad for students to return safely and in one piece. Help us bid one last goodbye to summer.

On many occasions we've learned that UPBM majors land exciting summer opportunities. If so, we encourage you to share your experiences with your colleagues.

Whether students attended an overseas program, worked in a morgue, rescued wild animals, volunteered in a community center, experienced a Med

Life Project or ran with Bulls...we would love to know. Sharing your experience allows others who are considering similar paths to gain insight as well as build exposure to excellent programs that may not be well advertised otherwise.

Submissions will be published in the November 2014 edition of the UPBM e-newsletter. All interested should send their stories and pictures (if possible) by e-mail to the [UPBM Office](#).



2013 UPBM Poster Session



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

### UPBM Poster Session 2014

All UPBM Majors are Welcome to Attend or Present



The Annual UPBM Poster Session is being held this year on **Friday October 17th, 2014 from 3:30 - 5pm in the Hutchison Hall, 1st Floor Green Lounge**. This is a great opportunity for students gain presentation experience, network and TALK SCIENCE! It is also a great way for those who are looking to get involved in research to talk with presenters and learn from their experiences. UPBM majors who have conducted research and would like to present are invited to participate. This includes research that has been done inside and outside of the UR.

Students interested in presenting will need to obtain permission from their research mentor, generate a poster, and submit information to the [UPBM Poster Session On-line Form](#) so that media can be generated for the event.

Permission to present the research should be sent via e-mail by the research mentor to [marianne.arcoraci@rochester.edu](mailto:marianne.arcoraci@rochester.edu).

**On-line forms should be submitted and research mentor permission e-mailed to Marianne Arcoraci by Sunday 10/5/14.**

For further information on making posters, what to expect, and logistics visit the [UPBM Poster Session Webpage](#).

Already existing posters or printed slide show presentations may be used.

UPBM majors who do not want to present are welcome and encouraged to attend this event. In addition to student, faculty, staff, and alumni are also invited to attend. Cookies and punch will be served (pretty sweet!).

#### Related:

[2013 UPBM Poster Session Slideshow](#) (Relive the Magic)  
[UPBM Poster Session On-line Form](#)  
[UPBM Poster Session Webpage](#).

### Degree with Distinction in Research

Seniors - Application for Candidacy Due Friday February 28th, 2015



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.

Data collected from other institutions outside of the university may be used to support a portion of the thesis; "however, all facts and figures reported as results in the thesis must be derived by the candidate, and must be part of the collaboration with the UR faculty who is overseeing the writing of student's thesis."

Interested students must submit an [application for candidacy](#) to the UPBM office (Hutchison 488) with the endorsing signatures of both their research mentor and major/track coordinator by, **Monday, March 2nd, 2015**. Please note that students do not need to register an Independent Research (395) course to do a senior thesis unless necessary to complete experimentation. Please visit the [Degree with Distinction Webpage](#) for further details on senior thesis, defense committees, and planning timelines.

Twenty one students from the class of 2014 successfully wrote and defended a senior thesis. Visit the [UPBM E-newsletter June 2014 Edition](#) for further details.

#### Related:

[Application \(Downloadable\)](#)  
[Degree with Distinction Home Page](#)  
[Timeline for Planning Senior Thesis](#)  
[UPBM Calendar for AY 2014-15](#)

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

## Independent Research (xxx395) Bio Science Courses

### New Course Deadlines for Fall 14



Independent Research, also referred to as 395 courses, allows students to garner valuable research experience while gaining academic credit for their work in the laboratories of program faculty located in UR's River Campus or Medical Center. Approximately 100 Bio Science Independent Research (xxx395) courses are registered each semester.

Some Biological Science majors allow students to use 395 to meet certain major requirements while others do not. All interested should consult the [UPBM Major Requirements Website](#) and academic advisor to learn more about possible applications to academic plans.

Typically a student and faculty members 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.

New this year. The paperwork to register a **Bio Science xxx 395** course along with authorizing signatures from the instructor **and** academic advisor **must be submitted to the UPBM Office for approval by the following dates:**

- ▶ **4 credit courses** - Friday 9/12
- ▶ **3 credit courses** - Friday 9/26
- ▶ **2 credit courses** - Friday 10/10

**Late Paperwork :** 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:

[Bio Sci \(395\) Course Website](#)  
[Bio Sci \(395\) Deadlines](#)  
[Getting Started in Research / Office of UG Research](#)  
[Edwina the Research Fairy Answers Your Questions About Getting Started in Research / Office of UG Research](#)  
[How to Find a Research Mentor](#)  
[On-line Registration Process Instructions & Slideshow](#)  
[Research Connections Newsletter](#)  
[UPBM Calendar for AY 2014-15](#)

## Society for Undergraduate Biology Students (SUBS)

### Mission / How to Join / Website



**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.."

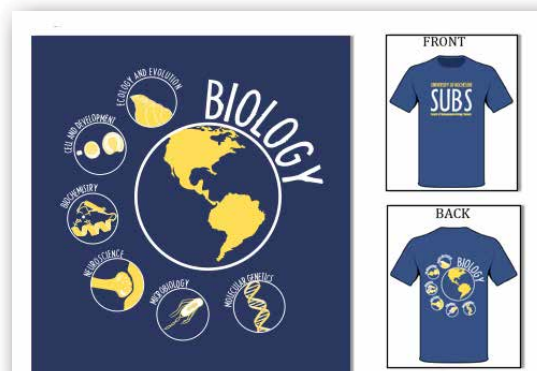
SUBS plans many events throughout the year so stay tuned for more information on club events and dates.

Students can join by visiting the [SUBS Website](#) or by contacting the Club President, Harris Weber at: [hweber4@u.rochester.edu](mailto:hweber4@u.rochester.edu)

T-Shirts are available for \$10 each. To order visit the [On-line SUBS T-shirt Order Form](#).

#### Related:

[UPBM Calendar for AY 2014-15](#)  
[Society for Undergraduate Biology Students Website](#)  
[On-line SUBS T-shirt Order Form](#)



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

### deKiewiet Summer Fellowship 2015

#### Open to Junior UPBM Majors / Mark your Calendars

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 junior UPBM majors, who will be seniors next year (rising seniors), and are officially declared are eligible to apply for the deKiewiet fellowship. UPBM 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 e-mail a letter of intent to the UPBM Administrator ([marianne.arcoraci@rochester.edu](mailto:marianne.arcoraci@rochester.edu)) by **Monday, March 2nd, 2015**.

Candidates will be required to submit a [formal proposal](#) and two letters of support by **Monday, March 16th, 2015** (first Monday after spring break). See attached for further details about formal proposals.

The UPBM Advising committee will review all proposals. Final decisions will be communicated by 5:00 p.m. on Friday April 3rd, 2015

### Journal of Young Investigators

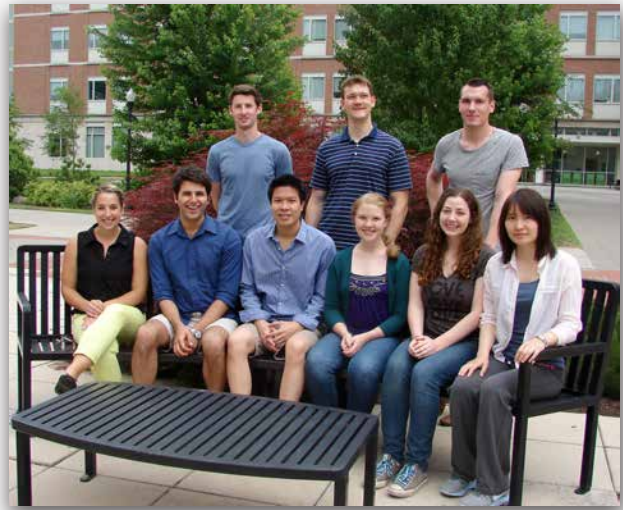
#### Fall Hiring is Open - by Rachel Bietz, Director of JYI Public Relations

With the return of the academic year often comes an increase in submissions for JYI, and we expect this year to be no different. Each summer, as students graduate and leave JYI, we look for new, enthusiastic staff members to fill their roles. This fall we are looking forward to the new submissions that have been written and polished during the summer, but we need more staff members to help! We have also been in contact with a very large scientific writing contest in Europe, and we plan to publish many of those papers as well. This is where you come in:

JYI is seeking motivated undergraduate students to fill several different roles within our organization. We are a volunteer-run, non-profit, open access science journal dedicated to expanding publication access and experience to undergraduate students. Our staff is made up entirely of undergraduate students, with assistance of faculty and professional mentors. All of our staff receive training in the department of their position, which may include corporate management, science writing, journalism, editing, finance management, and programming.

We are currently accepting applications for the following positions:

Please contact the [UPBM Administrator](#) with any questions or concerns.



**deKiewiet Fellows from Summer 2014: 1st Row (Left-Right):**

Kristin Abramo '15, BMG / BSB; Ali Khan '15, BBC / ENG; Jonathan Tam '15, BMB; Jamie Strampe '15, BMB; Shannon Keating '15, BEB; Ruijia Zhu '15, BBC / CHM **2nd Row (Left-Right):** Maxwell Sims '15, BNS / BSB; Robert Rietmeijer '15, BBC; Mikel Ruterbusch '15, BBC Not Pictured: Jiyoung (Junne) Park '15, BCD / HLP

#### Related:

[Application Process](#)  
[Formal Proposal Information](#)  
[UPBM Calendar for AY 2014-15](#)

- Associate Editor- Biology and Medical Sciences
- Associate Editor- Physical Sciences and Mathematics
- Associate Editor- Psychology and Social Sciences
- Copy Editor
- Public Relations Officer
- Corporate Officer
- Science and Career Center Editor
- News and Features Editor
- Journalist
- Programmer
- Chief Financial Officer\*
- \*CFO is a member of JYI's Executive Board

For more information and application, please visit <http://www.jyi.org/participate/student/> and if you have any questions, please do not hesitate to contact me!

Rachel Bietz, Director of Public Relations  
[Journal of Young Investigators](#)

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

## Center for Excellence in Teaching & Learning (CETL) Is Hiring! by Sarah Gerin - Tutoring and Access Assistant

I would like to first take this opportunity to introduce myself. My name is Sarah Gerin, and I am the new Tutoring and Access Assistant at the Center for Excellence in Teaching and Learning.

As some of you may know, CETL has taken on the Tutoring Program, formerly run by CCAS. This program provides FREE academic support, disability services, and tutoring services to U of R students for a variety of academic classes and subjects.

We are currently looking to hire tutors and are reaching out to you for any student recommendations you may have. If you know of students who you think would do well as tutors, please encourage them to apply! All of our information about requirements, compensation, and training for tutoring positions can be found on our website: <http://www.rochester.edu/college/cetl/jobs.html>

In addition, if there are any resources that your department provides students that you think CETL should be aware of, please let us know so we can pass them along!

Thank you so much for your time and help in ensuring the academic success of our students.

Sincerely,

Sarah Gerin  
Tutoring and Access Assistant  
Center for Excellence in Teaching and Learning  
276-7240

**Related**  
[Center for Excellence in Teaching & Learning Website](#)

## National Student Fellowships & Awards

Information Session Thursday, 23 October, 1:30 pm, Dewey 2-110E (Freshman & Sophomores)

Get an overview of selective student fellowships and highlights of major award competitions to consider, such as those supporting summer programs, language study abroad, research internships, public service projects, and many more.

For more information visit the [Fellowships Office Website](#),

## Opportunities

★Any feedback on these programs greatly welcomed (positive or negative).

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 \(SURF\)](#)

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

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

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)  
[Research Internships in Science and Engineering \(RISE\)](#)

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

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

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

Fulbright Scholarship  
[US Student Program](#)

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

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

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

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

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

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

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](#)

NASA Space Radiation Summer School  
[Summer 2015 Program](#)

National Collegiate Research Conference (NCRC)  
[NCRC 2015 Applications](#) [Plenary Apps Due 9/6/14](#), [General Apps Due 11/4/14](#)

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](#)

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](#)

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  
[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 Missouri  
[Summer Internship Programs](#)

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

University of Rochester  
[Research Positions](#)

University of Rochester, RC Libraries  
[Research Initiative Award for Undergraduates - Proposals due 11/21/14](#)

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](#)

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

### Contributors / Feedback of UPBM E-News Welcome

Really, Throw me a Bone

Please feel free to send submissions and / or feed back to help improve this newsletter to the [UPBM Administrator](#).

**What type of things are you looking for?** Anything students feel their colleagues may: benefit from, find interesting , helpful, and / or funny that is generally pertaining to the college experience. Pictures (tasteful) are good as well.

Sharing means caring.

### Helpful Links

This -N- That

[Athletics](#)

[Biology Department](#)

[Center for Study Abroad & Interdepartmental Programs](#)

[Counseling Center](#)

[Dining](#)

[Directory](#)

[Employee Discounts](#)

[Gwen Green Career and Internship Center](#)

[Facilities](#)

[Information Technology](#)

[Journal Of Undergraduate Research \(JUR\)](#)

[Kaplan Test Prep and Admissions](#)

[Libraries](#)

[Pre-Med and Allied Health Professions Advising](#)

[Research Connections Newsletter](#)

[Rochester Academy of Science](#)

[Undergraduate Program in Biology & Medicine](#)

[Undergraduate Research Office](#)

[University Health Services](#)

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