

# UPBM E-NEWSLETTER

Undergraduate Program in Biology & Medicine



Our Peer Advisors, John Martinez and Madeline Hoey, answering questions about research at the Undergraduate Research Fair.

Congratulations! You have made it through the fall semester. With that being said, graduation will be coming sooner than you think! Please remember to send in pictures to commemorate the times you've shared at UR. These pictures should be ones you cherish of you and your colleagues. Please feel free to forward pics, selfies, and other various photos to Chelsea in the UPBM office.

After you are finished celebrating the end of the semester, take a look at the "Opportunities" section of the newsletter. There are many possibilities for summer research, internships, and volunteering.

Happy Holidays!

## Links

- [Biology Department Newsletter](#)
- [2018 Poster Session](#)
- [UPBM E-News Archive](#)
- [UPBM Home Page](#)
- [UPBM Facebook Page](#)

Like our Facebook page for the latest information on UPBM events, opportunities, and important deadlines!



University of Rochester Undergraduate Program in  
Biology and Medicine UPBM



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University of Rochester



# Carlson Science & Engineering Library

Written by Biology Librarian, Moriana Garcia



Carlson Library, a part of River Campus Libraries, hosts most of the university's STEM collection, with the exception of Physics, Optics and Astronomy items, which are housed at the POA Library. Carlson Library is located in the Computer Studies building, at the heart of the science quad, and it is directly connected to Hutchinson by a

tunnel (1st floor) and to Goergen by a sky bridge (3rd floor).

For students in the UPBM program, Carlson offers two floors with collaborative spaces, big tables, white boards, computers, scanners and printers, and one floor reserved for quiet study with individual desks and comfortable study pods. Carlson upper floors are usually drenched in sunlight thanks to its floor to ceiling windows, a great perk during the winter months.

Besides space and technology - all library computers have the complete Adobe Suite, for example - the library also offers many services valuable to students. Among them is our highly used **Reserves** collection, with 2-hour circulating textbooks for almost every course in the Sciences. Students can also request books from other libraries to be delivered at Carlson through our [Interlibrary Loan](#) program.

Librarians' offices are located on the 3rd floor, near the study pods. **Moriana Garcia** is the librarian for Biology, Neuroscience and Biomedical Engineering. She enjoys



Study pods and individual desks on 3rd floor of Carlson Library (Image credit: University of Rochester).



Science quad view of Carlson Library (Image credit: University of Rochester).

meeting with students and helping them find the best resources for their assignments, troubleshooting complicated citations or selecting the best reference manager to start their online libraries. Students can set up appointments directly in her calendar through the [Biology Resources Guide](#). The guide lists all the resources important for Biology, including encyclopedias, journals and databases.

We have two new searching tools this year: [Dimensions](#) and [Scopus](#). **Dimensions** is a new database that allows users to search for blocks of text, in addition to keywords. It uses artificial intelligence to locate articles with similar content to the input text with very interesting results. **Scopus** tracks article's references and citations, similar to [Web of Science](#), but it includes a bigger number of journals and conferences, although with less time coverage. Check them out.

For those interested in research, [Springer Protocols](#), our database of research methods, has been merged with Nature Methods and Nature Protocols in a new searching interface called **Springer Nature Experiments**. Explore to find the perfect method, including bioinformatics protocols.

# Society of Undergraduate Biology Students

## SUBS Events

### SUBS Mission Statement

*“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 the needs of the membership through member input.”*

### Past Events

#### SUBS Beach Day

SUBS held their beach day this semester on November 29th. The event included a lot of friendly competition in volleyball, cornhole and more. Join us for fun and get connected with professors and peers!

#### Pizza Break

Students took a break from studying and joined us on Thursday, December 13th for pizza, science, and fun. This event brought together UPBM students, staff and faculty.

People were encouraged to bring gently used clothing to be donated to the Open Door Mission.

### Upcoming Events

#### Summer Research Panel

##### Time and Place TBD

Come and learn from fellow recipients and people who have done work in the industry. Get excited with us for tentative summer research choices and fellowship opportunities.

*More information will be available in the near future.*

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, Madeline Hoey: [mhoey@u.rochester.edu](mailto:mhoey@u.rochester.edu).

Related:  
[SUBS Website](#)



## Celebrating our own as Phi Beta Kappa turns 242 December 4, 2018, full article [here](#), @rochester enewsletter



J. Adam Fenster / University of Rochester

“Phi Beta Kappa, the nation’s oldest and most prestigious honor society for liberal arts and sciences, celebrates its 242nd birthday this week. It was founded at the College of William and Mary on December 5, 1776. The University of Rochester’s chapter was founded in 1887, and new members are elected annually based on exceptional academic performance recommendations from faculty members and staff.

The University typically elects about 10 percent of each graduating class. Particularly strong candidates are elected as juniors.

In celebration of Phi Beta Kappa’s birthday, we honor the 13 students who were elected last spring as juniors, noting their hometowns and majors:

**Rachel Allison** (economics, French) from Sharon, Massachusetts  
**Nikolas Angyal** (chemical engineering) from East Fishkill, New York  
**Megan Betancourt** (molecular genetics) from Rochester, New York  
**Marco Caiola** (chemistry, biochemistry) from Webster, New York  
**Melanie DeJong** (English: creative writing) from Sammamish, Washington  
**Kiersten Flodman** (health behavior & society) from Rowley, Massachusetts  
**Benjamin Goehring** (linguistics, Russian) from Rochester, New York  
**Carley Haft**, (biology, health behavior & society) from San Diego  
**Amanda Hornick** (biomedical engineering) from Andover, Massachusetts  
**Seung Hyun Kim** (biomedical engineering) from Seoul, South Korea  
**Allison Morningstar** (neuroscience) from York, Pennsylvania  
**Jacob Squicciarini** (molecular genetics) from Albion, New York  
**Xingyu Wang** (financial economics, data science) from Beijing, China

The University’s Phi Beta Kappa chapter, Iota of New York, was chosen the Outstanding Chapter at the Phi Beta Kappa Triennial Conference in Boston. It was selected out of 260 chapters across the country.”

# UPBM Student Athletes Among the Top For Fall All-Academic Teams

We want to congratulate our student athletes who have earned the All-Academic title for the fall:



**Women's Cross Country:**  
[Rachel Bargabos '19](#) BMB  
[Madeline Hoey '19](#) BBC  
[Jordan Hurlbut '20](#) BBC  
[Kelly Reese '20](#) BCD  
[Kristen Lodato '21](#) BIO  
[Samantha Mauser '21](#) BIO

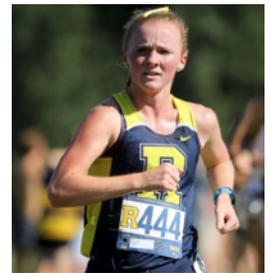
**Women's Soccer:**  
[Christina Feller '19](#) BNS  
[Liz Mastoloni '20](#) BMB  
[Meghan Martin '21](#) BIO



**Men's Soccer:**  
[Alec Hay '19](#) BNS

**Men's Cross Country:**  
[Anthony Pane '19](#) BCB

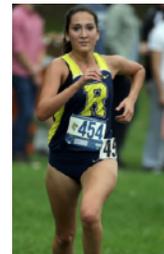
**Volleyball:**  
[Elizabeth Thomas '19](#) BEB  
[Courtney Vidovich '19](#) BNS



**Football:**  
[Ryan Bell '19](#) BCD  
[Josh Brown '19](#) BBC

**Field Hockey:**  
[Amanda Guido '20](#) BMG  
[Colleen Maillie '20](#) BCB

All pictures from [UR Athletics](#)



### Related

- [Liberty League Announces Fall All-Academic Teams-UR](#)
- [Liberty League Announces Fall All-Academic Teams](#)
- [65 From UR Earn UAA Fall All-Academic Honors](#)
- [UAA Full Release](#)

# Gwen M. Greene Center

## Career Communities

The Greene Center uses Career Communities as a way to connect students with their interests and line up potential opportunities.

There are multiple Career Communities available:

- Exploratory
- Arts, Entertainment, Communications, Marketing, & Media
- Consulting, Finance, Operations, & Sales
- Engineering, Technology, Data, and Physical Science
- Healthcare, Human Services, & Biomedical Research
  - Health & Human Services | Public Health | Biomedical Research | Business of Healthcare
- Law, Policy, and Social Good

Use your [Handshake](#) account to make your own “career clusters” to receive information on opportunities to customized specifically to you, your interests, goals, and career plans.



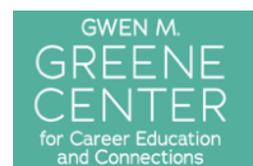
J. Adam Fenster / University of Rochester

## Health Committee Letter Process Now Open for Medical, Dental and Vet Applicants

If you are applying to Medical, Dental or Veterinary school in the upcoming 2019 cycle, you may be eligible to receive a Health Committee Letter. You can learn more about the Health Committee Letter, the Health Professions Questionnaire (HPQ), and eligibility requirements [here](#). Please ensure to read through the instructions carefully before submitting your HPQ, which serves as your formal request for a Health Committee Letter.

You can access the HPQ for the 2019 application cycle [here](#). Submissions are **due by January 31, 2019**.

If you have questions about the HPQ or your application to Medical, Dental or Veterinary school, please make an appointment with a Greene Center advisor through [Handshake](#).



## Greene Center Events

Managing Your Career in the Age of Acceleration  
Wednesday, Dec. 12th 12-1pm  
[More Information](#)

How to get a Job On-Campus!  
Tuesday, Jan. 22nd 11am-12pm  
[More Information](#)

Bio Careers Webinar: Information Interviewing: An Excellent Way to Enhance Your Career Search  
Wednesday, Jan. 16th 1-2pm  
[More Information](#)

Queer and in a Career: LGBTQ+ Alumni Panel & Reception  
Friday, Jan. 25th 3:30-5pm  
[More Information](#)

Check out all the events on their [website](#).

# Undergraduate Research Conferences

## Information & Deadlines

### National Conference on Undergraduate Research NCUR

[NCUR Travel Application open now!](#)

National Conference on Undergraduate Research (NCUR) is an annual conference for primary research and artistic performance by undergraduate students, encompassing the natural and social sciences, the humanities, the arts, and engineering. Each year, NCUR hosts around 3,500-4,000 students across the world.

Online Registration opens on January 28th, 2019, the NCUR 2019 Conference is held from Wednesday, April 10th-Saturday, April 13th at Kennesaw State University.

UR's Office of Undergraduate Research will can assist with funding in the [NCUR Travel Award](#). The application will open on Thursday, November 1st and will close at midnight on Sunday, November 25th.

More Information:

[NCUR Website](#)

[NCUR 2019 Timeline](#)

Want to learn more about research? Visit the [Office of Undergraduate Research website](#).



## UPBM Majors Receive O'Brien Book Award

Three Biology majors have been honored with the Suzanne J. O'Brien Award. Students are chosen by a committee of faculty and staff Phi Beta Kappa officers who believe these students went above and beyond in their academics and proven themselves as strong leaders as a first-year student at UR. Read the article [here](#).



Congratulations

Aylida Meinecke '21 BIO

Mary Panepento '21 BIO

Emma Strawderman '21 BNS

## The Undergraduate Placement Program

The Undergraduate Placement Program (UR-UPP) is a support service that helps students navigate the process of preparing for research on campus or at URM. We can help you:

- Learn practical ways to stand out as a research candidate
- Develop effective techniques for communicating professionally with faculty and research staff
- Search and apply for research opportunities in life and health science
- Get the most out of your research experience at Rochester

Visit the UR-UPP website to browse resources, advising services, and projects publicized by research faculty through UR-UPP's infrastructure. Subscribe to the biweekly newsletter to stay up-to-date on positions and on-campus events relevant to undergraduate researchers!

Visit their website [here](#)

# How to Find a Research Mentor



J. Adam Fenster / University of Rochester

The UR is an ever-expanding top-tier research facility. As such, students need to create opportunities and take control of their careers by finding a faculty member who conducts non-clinical research within their area of interest who will agree to take them on as an independent research student.

Undergraduates should begin searching for a research mentor before the semester begins as faculty may decline to sponsor a course, especially if the request is submitted too late after the beginning of classes.

Some students start their investigations by connecting with faculty in the courses they enjoy or by contacting the advisor of their intended major. While others network with faculty and peers, who are already researching in their area of interest or by searching the UR website and reading up on faculty research profiles. The key is to maintain professionalism and thoughtful persistence in all communications attempts with faculty (see sample email on back).

Please note that faculty who instruct 395 courses must be members of the UR “full-time teaching faculty” and are

willing to take on 395 students. Members of the “Research faculty” may also instruct 395 courses; however, they must do so under the supervision of their department chair. In some cases department chairs may approve research faculty to supervise independent research courses; however, special arrangements must be made directly with the College Center for Advising Services (CCAS).

Another starting point for students is by developing a professional rapport with faculty by taking on technical positions through student employment or on a voluntary basis. However, please note students may not receive financial compensation and credit for the same research should the faculty agree to instruct a 395 course.

These are a few of many ways students find research mentors. The key is to self-start, do well in academics, and be on the lookout for summer research opportunities as well as developmental programs and workshops offered periodically through the Office of Undergraduate Research and Carlson Science and Engineering Library. Below are a few resources to help students get started.

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## UR Departmental Faculty Research Profiles

[Biochemistry and Biophysics](#)  
[Biology](#)  
[Microbiology and Immunology](#)  
[Neuroscience](#)  
[Pathology and Laboratory Medicine](#)  
[Pharmacology and Physiology](#)  
[UR Medical Center \(URMC\) Faculty Lists](#)

## Other Resources

[Carlson Science and Engineering Library](#)  
[Undergraduate Program in Biology and Medicine \(UPBM\)](#)

- [Independent Research Requirements/Registration](#)
- [deKiewiet Summer Fellowship](#)
- [E-Newsletter](#)

[Northern Eastern University Web Guru Guide for Undergraduate Research](#)

## Summer Research

Trying to find a way to stay in Rochester over the summer and conduct research?

### de Kiewiet Fellowship

Juniors in UPBM can apply to the [de Kiewiet Summer Research Fellowship](#) program to gain research experience in the laboratories of biological science labs on the River Campus or at the Medical Center during the summer. Fellowship students work with a faculty mentor in their area of interest and will create and present a poster of their research findings at the UPBM Poster Session in October of their fellowship year. *Learn more on page 13.*



### Discover Grants

Visit the Office of Undergraduate Research website to read up on the available great funding and how to apply for it. Only current, matriculated first-year, sophomores, juniors and non-graduating seniors can apply. Your summer research opportunity must be set in stone to apply for funding. Please note there are deadlines for each!

[Discover Grant Information](#)

### Research and Innovation Grant

Research and Innovation Grants (RIG) can be used for numerous experiences for undergraduates. These funds can only be used outside of the academic year. Please look on the [RIG Grant Accessing Funds](#) page for deadlines.

### More Information

[Office of Undergraduate Research website](#)

## College Supplemental Funding

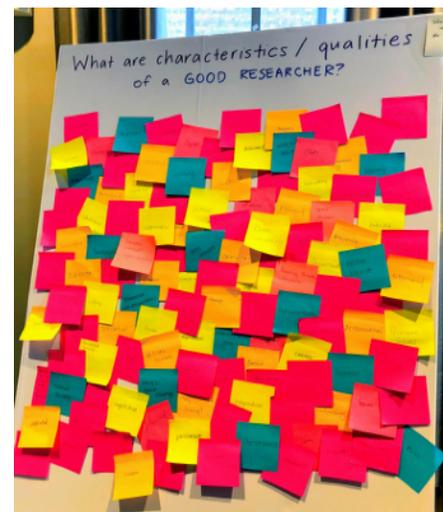
For Programs, Conferences, Competitions, and Events

The College Supplemental Fund Application allows students to request supplemental funding to attend or participate in academic, professional, or experiential programs.

Funding is available on a rolling basis, however, applications must be submitted at least three weeks in advance, or else they will not be considered. Relevant departments may be asked to contribute funding toward the overall need as indicated on the application. Students may request funds as individuals, or on behalf of a group. Only one representative from each group should complete an application.

The College Supplemental Fund Application is not intended to replace existing funding opportunities, such as the funding available from the Student Association Appropriations Committee (SAAC). Groups that would like to request funding from the Student Association are required to complete a separate [application](#) through the Campus Community Connection.

Interested in applying?  
Learn more on their [website](#)  
**Apply!**



# Start Thinking Ahead!

## Important Deadlines to Keep in Mind...

### Spring 2019 Independent Research (395) Course

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 the UPBM 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".

All 395 students are required to write and submit a final report or a poster. The poster option should be beneficial to undergrads who are looking for opportunities to present at various intellectual, social gatherings such as, [The UPBM Poster Session](#) or the National Conference on Undergraduate Research (NCUR), or the [Undergraduate Research Expo](#), or any potential poster session that may be conducted at the medical center.

However, please note that students who are taking an independent research course for upper-level writing (395w) credit may not choose the poster option. If the course is being taken to satisfy a writing requirement, then the student will need to write a final report. Final reports of upper-level writing courses are expected to undergo a series of edits and rewrites that would ideally be done with the student and their research faculty incrementally throughout the semester. Students will have until the last

day of final exams to upload a copy of their final report or poster to Blackboard.

Biological Science Independent Research Courses Require Submission of Two Online Forms:

1. [UPBM Pre-Registration Form](#)
2. [Independent Study \(IS\) Form](#)

Typically, students meet with their faculty in order to collect the information necessary to complete the paperwork.

Then students submit the [UPBM Pre-Registration Form](#) first and wait two to three business days to receive an approval e-mail. The information from the e-mail is then used by students to file an [Independent Study \(IS\) Form](#) with the College. It can take the College up to 10 business days to review and add Independent study credit to transcripts.

#### Spring 2019 Deadlines:

4 Credit 395 Courses: Should start course by Friday 1/25  
~Submit Online [UPBM Pre-Registration form](#) by Friday 2/1  
~Submit Online [CCAS Independent Study form](#) by Friday 2/8

3 Credit 395 Courses: Should start course by Friday 2/8  
~Submit Online [UPBM Pre-Registration form](#) by Friday 2/15  
~Submit Online [CCAS Independent Study form](#) by Friday 2/22

2 Credit 395 Courses: Should start course by Friday 3/1  
~Submit Online [UPBM Pre-Registration form](#) by Friday 3/8  
~Submit Online [CCAS Independent Study form](#) by 3/15

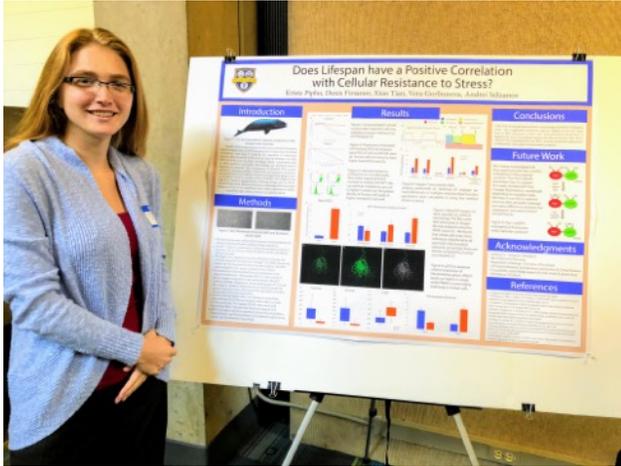
**\*Please note deadlines for Bio Sci courses are different from what is published on the [CCAS Independent Study website](#).**

Related:

- [What is Independent Research?](#)
- [Credit Regulations](#)
- [Finding a Research Mentor](#)
- [How to Register](#)
- [Requirements](#)
- [Research Connections Newsletter](#)

# Honors in Research

Interested Seniors Submit Application for Candidacy by **March 4, 2019**



Students who have been involved in Biological research have the opportunity to receive honors by successfully writing and defending a thesis during their senior year. Officially declared UPBM majors with research of exceptional quality and a minimum BIO GPA of 2.7 qualify.

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.

The 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 before applying.

Research data obtained through Independent Research (395) courses, fellowships, internships, and voluntary work may be used to support the thesis. In addition, 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 487) with the endorsing signatures of both their research mentor and major/track coordinator by, **Monday, March 4th, 2019**. Please note that students do not need to register an Independent Research (395) course for a senior thesis unless necessary to complete experimentation. Please visit the [Honors in Research Website](#) for further details on senior thesis, defense committees, and planning timelines.

Eighteen students from the class of 2018 successfully wrote and defended a senior thesis. See [UPBM E-newsletter June 2018 Edition](#).



# de Kiewiet Summer Fellowship 2019

## Open to Junior UPBM Majors

The de Kiewiet Fellowship affords undergraduate [UPBM majors](#) the opportunity to stay in Rochester during the summer to work on a research project in the lab of the research mentor of their choice.

Students have the flexibility of finding a research mentor who works within their area of interest and is a member of the [UR teaching faculty](#).

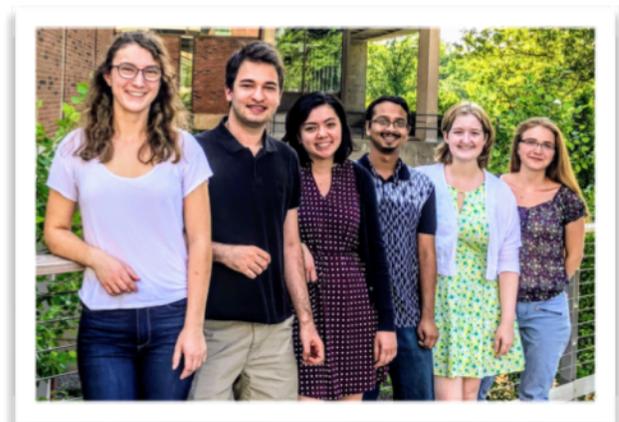
Summer projects must be rooted in the biological sciences and non-clinical. Although some scientific arguments may originate through clinical studies, the proposed research should yield data from experimentation involving laboratory or computational methods of analysis. For tips on how to find a research mentor students should consult with their advisor or visit the [UPBM Finding a Research Mentor Website](#).

The Fellowship runs for ten weeks between June and August. The stipend amount for each fellow is \$4,000 and is paid out in bi-weekly installments.

Fellows are expected to work for 40 hours a week and will need to create and present a poster of their research findings at the UPBM Poster Session in October of their fellowship year. Days and shifts are at the discretion of their mentor.

Officially declared UPBM majors in their junior year are invited to submit research proposals and summaries of their research & career goals and relevant work experience.

The application process for the fellowship is competitive as only a limited amount of positions can be funded annually. Additionally, the number of positions offered each year varies. Funding raising efforts are made each year to support as many promising scientists as possible. Visit the "[Past de Kiewiet Summer Research Fellows](#)" to find out who has participated in the fellowship. The [UPBM Advising Committee](#) reviews and ranks all applicants. The UPBM office will notify candidates with the committee's decisions late April.



### de Kiewiet Fellows 2018

Left to Right: Stephanie Busch '19, BBC; Iyad Sayed Issa '19, BBC; Hayley Chang '19, BCD; Abhishek Dede '19, BCB/BCS; Sarah Sandkuhler '19, BNS; and Krista Pipho '18, BBC (Not pictured Joshua Brown)

## How to Apply:

**Part A: Intent to Apply - Due March 1st** - Fill out the form and click "Submit. An email confirmation will automatically be sent out upon submission containing an "[Edit Submission Link](#)." This link that will allow applicants to get back into their record to upload the rest of the application materials they will need to prepare by first Monday back after Spring Break.

**Part B: Proposal/Summaries Upload - Due Monday, March 18th** - Applicants will need to prepare three documents. Including including a six-page 1.) "Formal Scientific Research Proposal," and two one-page summaries that outline applicant 2.) "Relevant Professional Experience," and 3.) "Research and Career Goals." Papers should be double-spaced and in .pdf file format.

Candidates will also need to ask their research mentor and another faculty member to write a letter of support. The faculty may e-mail the letters directly to [BioDeptUgOffice@ur.rochester.edu](mailto:BioDeptUgOffice@ur.rochester.edu) by the 3/18 deadline.

For more information on how to find a mentor and proposal guidelines visit the [de Kiewiet website](#).

# Opportunities

Alaskan Observers North Pacific Ground Fish Observer  
North Pacific Ground Fish Observer Position Openings

Albert Einstein College of Medicine *Deadline 2/1/19*  
Summer Undergraduate Research Program

Amgen Scholars  
Scholars Program

Caltech *New*  
WAVE Fellows *Deadline 1/12/19*  
Amgen Scholars *Deadline 2/15/19*

Case Western Reserve University *Deadline 2/1/19*  
Summer Programs

Cincinnati Children's Hospital *Deadline 2/1/19*  
Summer Undergraduate Research Fellowship (SURF)

City Internships  
Program Overview

Cleveland Clinic Center for Reproductive Medicine  
Summer Internship Program *Deadline 3/15/19*

Cold Spring Harbor Watson School of Biological Sciences  
Summer Undergraduate Research Program *Deadline 1/15/19*

Columbia University/Barnard College *Deadline 2/1/19*  
Amgen Scholars Summer Research Program

Cornell University *Deadline 2/1/19*  
Boyce Thompson Institute for Plant Research Internships  
Cornell AgriTech *Deadline 2/3/19*

Coastal Marine Education and Research Academy *New*  
Summer Field Research

Council on Undergraduate Research  
National Conference on Undergraduate Research (NCUR)

Burke Neurological Institute *New*  
Summer Research *Deadline 3/9/19*

Boyce Thompson Institute *New*  
Summer Internship *Deadline 2/1/19*

Davis Projects for Peace  
Kathryn W. Davis Projects For Peace

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

Duke University  
Teacher Fellowship Program *Deadline 1/15/19*  
Science and Leadership Award *Deadline 1/31/19*

Donald Danforth Plant Science Center *New*  
NSF REU Summer Internship Program *Deadline 2/1/19*

EPA Internships  
Medical Research and Health Science Internships  
Available in Europe! *Summer Deadline 2/15/19*

Fred Hutch Cancer Research Center *Deadline 1/11/19*  
Summer Undergrad Research Program  
Internships in Scientific Research or Medicine

Fulbright Scholarship  
US Student Program

Gerstner Sloan-Kettering *Deadline 2/1/19*  
Summer Undergraduate Research Program

GEHI  
Ghana Health and Education Initiative

Goldwater (Barry)  
Scholarship & Excellent in Education Program

Harvard School of Public Health *Deadline 2/5/19*  
Summer Program in Biological Sciences Public Health

Harvard University *Deadline 2/1/19*  
Summer Research Program

Homeland Security DHS Education Programs  
HS-STEM Summer Internship Program

Institute for Health Metrics and Evaluation (IHME)  
Post-Bachelor Fellowship *Deadline 1/10/19*

International Association for Identification *New*  
Annual International Forensic Educational Conference

Journal of Young Investigators  
Author Guidelines Requirements

Louisiana University Marine Consortium  
Summer Field Course Information *Deadline 3/25/19*

MATCH Education  
Teacher Residency

# Opportunities

Mayo Clinic *Deadline 2/1/19*  
Summer Undergraduate Research Fellowship

MedLife  
Volunteers

Michigan State Veterinary *Deadline 1/31/19*  
Enrichment Summer Program

National Collegiate Research Conference (NCRC)  
NCRC 2018 Applications

Nemours/Alfred I. duPont Hospital for Children and  
Nemours Office of Health Equity and Inclusion  
Summer Undergrad Research Scholarship  
*Deadline 1/15/19*

Nobel Research Institute *New*  
Scholars in Agriculture *Deadline 2/1/19*  
Scholars in Plant Science *Deadline 2/6/19*

NYC Teaching Fellows *New*  
Fellowships

One Heart Source  
Volunteer Opportunities in Africa

PIRG - Job Openings for Graduating Seniors  
Jobs

Roswell Park Cancer Institute *Deadline 1/10/19*  
Summer Research Programs

Southern Teaching Agency  
Website

SUNY Oswego Global Laboratory  
Summer Science Research Abroad

Teach for America  
Opportunities

Texas Tech University Health Sciences Center  
Summer Accelerated Biomedical Research Internships  
*Deadline 3/15/19*

The UNCF Merck Science Initiative  
Science Scholarships and Fellowships

University of Iowa *Deadline 1/22/19*  
Summer Undergraduate MSTP Research Program

University of Michigan *Deadline 1/18/19*  
Summer at Michigan for Undergraduate Research Training

University of Missouri *Deadline 2/15/19*  
Summer Research Programs

University of Notre Dame Environmental Research Center  
Research

University of Rochester  
Undergraduate Research Exposition (URE)

University of Rochester, RC Libraries  
Research Initiative Award for Undergraduates

University of Rochester, UPBM *Deadline 3/1/19*  
deKiewiet Summer Fellowship

University of Rochester, Visual Science *Deadline 2/4/19*  
Summer Fellowship Program

University of Texas South Western *Deadline 2/9/18*  
Summer Undergraduate Research Fellowship SURF

University of Utah *Deadline 1/23/19*  
Summer Program for Undergraduate Research SPUR

University of Virginia / Mountain Lake Biological Station  
Summer Research Experiences of Undergraduates  
*Deadline 2/20/19*

Upstate Medical University *Deadline 2/4/19*  
Summer Research Fellowship Program

University of Missouri *Deadline 2/15/19*  
Alcohol Research Training Summer School/Internship

University of Pittsburgh *New*  
Summer Research Fellowship *Deadline 3/1/19*

The Woodrow Willson National Fellowship Foundation  
Teaching Fellowships *Deadline 1/31/19*

World Teach  
Programs

Yale University School of Medicine *Deadline 1/15/19*  
Research Fellowships, Yale Child Study Center

# Graduate Studies

Albert Einstein College of Medicine  
Biomedical Sciences

Arizona State University  
Science and Technology Policy

Berkley  
Nutritional Sciences & Toxicology

Cedars-Sinai Medical Center  
PhD in Biomedical and Transitional Sciences

Cornell University  
Ecology & Evolutionary Biology

Duke University  
Neurobiology

George Washington University  
Environmental Resource Policy Program

Harvard Medical School *New*  
Master of Medical Science in Immunology

Harvard-School of Public Health  
PhD Program in Biological Sciences in Public Health

Icahn School of Medicine at Mount Sinai  
Graduate School of Biomedical Sciences

Indiana University  
Biochemistry Graduate Program

Louisiana State University  
Biological Sciences  
Pharmacology & Experimental Therapeutics

Michigan State University  
College of Veterinary Medicine

Penn State College of Medicine  
PhD Programs | MS Programs

ScribeAmerica  
Medical Scribes

Seton Hill University  
MS Biology | MS Microbiology  
PhD Molecular Biology

St. Jude Graduate School  
Biomedical Sciences

Stony Brook University  
Neuroscience PhD Program  
Neuroscience Master's Program

Texas Tech University  
Biomedical Sciences Programs

University at Buffalo  
PhD Biomedical Science

University of California, Los Angeles  
Ecology & Evolutionary Biology

University of Colorado  
Structural Biology & Biochemistry

University of Iowa  
College of Medicine Programs

University of Maryland  
Biophysics Program

University of Massachusetts Dartmouth  
Marine Science and Technology

University of Michigan  
Medical School Programs

University of Pennsylvania *New*  
Graduate Program in Biology

University of Pittsburg  
Biological Sciences

University of Rochester  
Graduate Program

University of South Florida  
Graduate Programs

University of Texas South Western  
Biomedical Sciences Programs

University of Utah  
Bioscience Programs

University of Virginia  
Graduate Program

Upstate Medical University  
Graduate Studies | MD/PhD

# Graduate Studies

Van Andel Institute  
PhD Cell and Molecular Genetics

Vanderbilt University  
Neuroscience Graduate Program

Virginia Tech *New*  
Molecular and Cellular Biology PhD Program

Watson School of Biological Sciences  
Ph.D. Program

Wake Forest University  
Biology Programs

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[Gwen Green Career and Internship Center](#)  
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[Journal of Undergraduate Research \(JUR\)](#)  
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## Feedback

Please feel free to send submissions and/or feedback to help improve this newsletter to the UPBM Administrator.

What type of things are you looking for? What do you and your colleagues benefit from, find interesting, helpful, and/or funny that is generally related to the college experience. Pictures of events or activities pertaining to UPBM are also beneficial.

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