

UPBM E-NEWSLETTER

Undergraduate Program in Biology and Medicine



Move In Day August 2016
Photograph from UR Photographic Services

Welcome Home

What do Serious Scientists Do Over the Summer?

Links

- ▶ [Biology Department Newsletter](#)
- ▶ [Senior Slide Show 2016](#)
- ▶ [UPBM Alumni - Where Are They Now?](#)
- ▶ [UPBM E-News Archive](#)
- ▶ [UPBM Home Page](#)

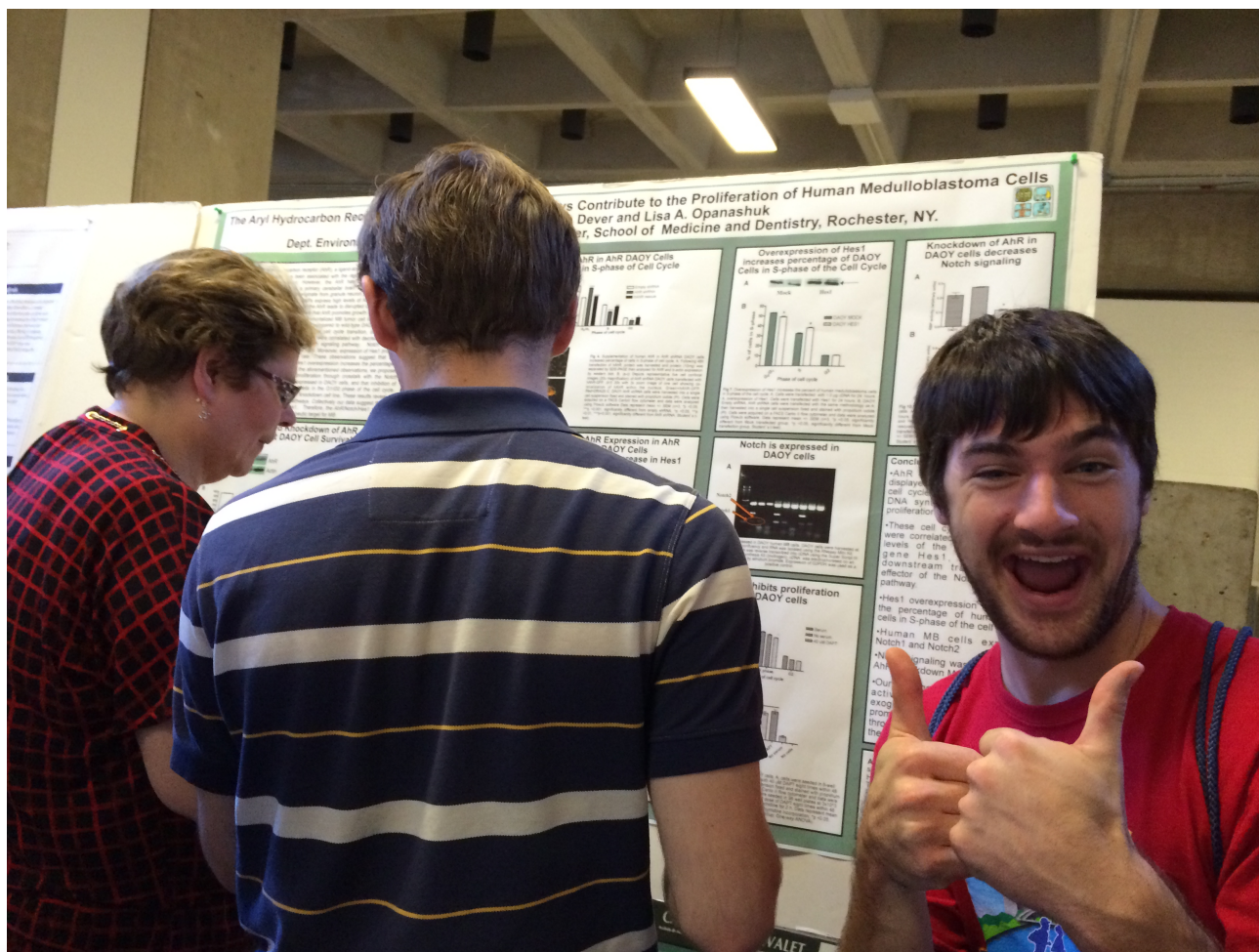
Welcome back UPBM! Although the end of summer is well...gut wrenching, The UPBM is glad for students to return safely and in one piece. This year we have about 400 declared juniors and seniors gracing our hallways!

We often wonder what serious scientists do over the summer. On many occasions we've learned that UPBM majors land extremely awesome experiences usually after the student graduates. None the less, we encourage you to take the time to write and let your colleagues know about your wonderful adventures.

Whether students attended an overseas program, worked in a morgue, rescued wild animals, volunteered in a community center, experienced a Med Life Project, ran with bulls or caught all 250 Pokemon...we would love to know. Especially about the Pokemon part. BTW - Great hotspots at Seabreeze.

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. See serious scientists on page 9.

Submissions will be published in the November 2016 edition of the UPBM e-newsletter. All interested should send their stories and pictures (if possible) by e-mail to the [UPBM Office](#).



Poster Session 2013 / Another Satisfied Customer - by Dr. Cheeptip Benyajati UPBM Director

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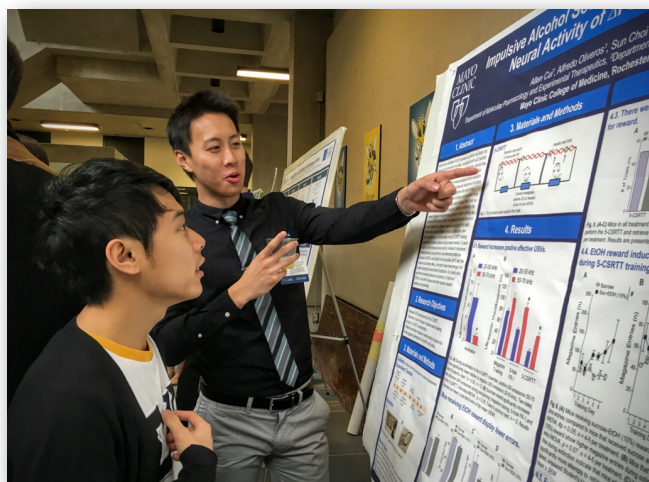
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UNDERGRADUATE PROGRAM IN BIOLOGY AND MEDICINE (UPBM) E-NEWS

Poster Session 2016

Opportunity to Present, Network, or Just Have Fun and Talk Science



The Annual UPBM Poster Session is being held this year on **Friday October 7th, 2016 from 3:30 - 5pm in the Hutchison Hall, 1st Floor Green Lounge**. This is a great opportunity for UPBM majors to 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.

On-line forms should be submitted and research mentor permission e-mailed to Marianne Arcoraci by Monday 10/3/16.

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:

[Details for Presenters](#)

[UPBM Poster Session On-line Form](#)

[2015 UPBM Poster Session](#) (Relive the Magic)

Honors in Research

Interested Seniors Submit Application for Candidacy by Monday March 6th, 2017

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 6th, 2017.

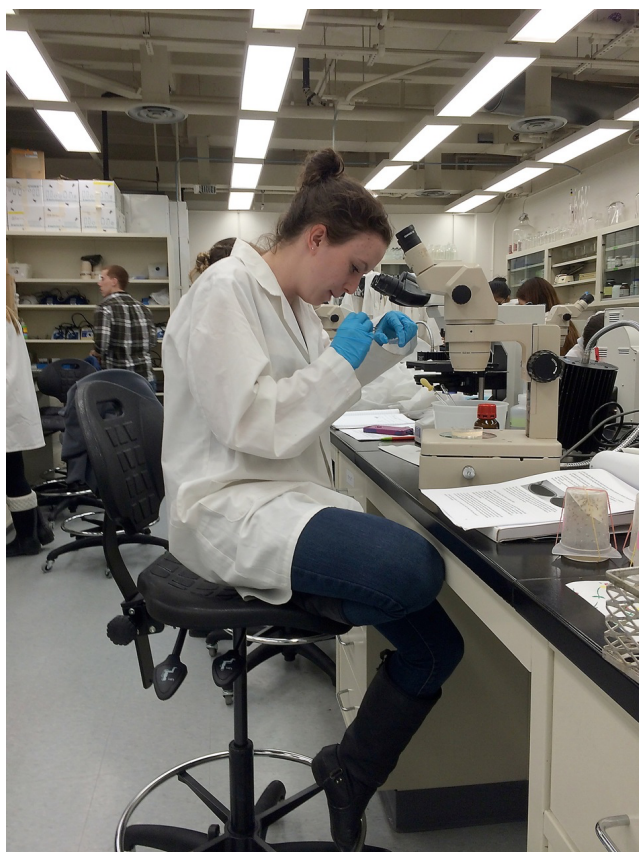
Please note that students do not need to register an Independent Research (395) course for a senior thesis unless necessary to complete experimentation. Please visit the Honors in Research Website for further details on senior thesis, defense committees, and planning timelines.

Seventeen students from the class of 2016 successfully wrote and defended a senior thesis. See UPBM E-newsletter [June 2016 Edition](#) for further details on last year's participants.

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 - Fall 09/09 Spring 01/27
- ▶ 3 credit courses - Fall 09/30 Spring 02/24
- ▶ 2 credit courses - Fall 10/14 Spring 03/10

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:

- ▶ [What is Independent Research?](#)
- ▶ [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 2017

Open to Junior UPBM Majors / Application Process Summary

The deKiewiet fellowship is an annual summer program that allows students the opportunity to conduct research for 10 weeks (6/5 - 8/11/17) in a biological science laboratory located either on river campus or in the medical center during the summer between their junior and senior year. In addition, fellows will also gain the experience of creating and presenting a poster of their research findings at the UPBM Poster Session in October of their fellowship year.

The Fellowship is open to officially declared UPBM majors in their junior only. Take 5 students are not eligible to apply to the fellowship in their 4th 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).










Application Process Summary

1. Find a UR Teaching Faculty member who will agree to mentor a summer research project and supervise the writing of a Formal Scientific Proposal
2. Email a Letter of Intent to Apply to the UPBM Administrator by midnight, Friday, March 3rd, 2017
3. Prepare and upload the following application materials to blackboard by midnight, Monday, March 20th, 2017 (first day back from spring break)
 - Formal Scientific Proposal
 - Summary of "Relevant Professional Experience"
 - Summary of "Research and Career Goals"
4. Ask the faculty member who has agreed to mentor the project to e-mail a Letter of Recommendation and Statement of Authorship directly to the UPBM Administrator by Monday, March 20th, 2017
5. Ask a second faculty member (preferably within the scientific field) to write a letter recommendation and have them to e-mail it directly to the UPBM Administrator by Monday March 20th, 2017

The selection process of the fellowship is competitive as the number of positions are limited. All application materials and academic records will be reviewed by the UPBM Committee. Decisions should be communicated to the applicants by mid April.

*All interested should visit the deKiewiet Summer Fellowships website to review guidelines and consult your advisors before beginning the application process.

2016 de Kiewiet Fellows

	JOSHUA ACKLIN '17, BMB Research Mentor: Dr. Stephen Dewhurst Project Title: <i>"Characterizing the Role of Antigen Display Density on the Stimulation of the Immune Response in a Nanoparticle Model"</i> Department: Microbiology and Immunology
	JORDAN ARONOWITZ '17, BMG Research Mentor: Dr. Michael Welte Project Title: <i>"Characterizing the Effect of HSF Mutations on Brain Tumors in D. melanogaster"</i> Department: Biology
	NICHOLAS CONTENTO '17, BNS/ANT Research Mentor: Dr. Sina Ghaemmaghami Project Title: <i>"A Genetic Screen for Novel a=Autophagic Genes Utilizing a Mouse CRISPR Knockout Library"</i> Department: Biology
	MICHAEL GILBERT '17, BBC Research Mentor: Dr. Vera Gorbunova Project Title: <i>"Mass Spectrometry Based Analysis of Histone Modifications Influencing Longevity"</i> Department: Biology
	MENGNI HE '17, BBC Research Mentor: Dr. Jack Werren Project Title: <i>"Pending"</i> Department: Biology
	REBECCA JOSEPH '17, BMG Research Mentor: Dr. Harold Smith Project Title: <i>"Mapping the RNA Binding Sites on APOBEC3G that Determine the Innate Potential of Cells to Inhibit HIV Infection"</i> Department: Biochemistry and Biophysics
	SHON KOREN '17, BNS Research Mentor: Dr. Gail Johnson Project Title: <i>"Insights into Tau Degradation by Selective Autophagy"</i> Department: Anesthesiology
	GERALD MAEDA '17, BEB Research Mentor: Dr. Jennifer Brisson Project Title: <i>"Allele Frequency Dynamics at the Locus Controlling the Alary Dimorphism in Male Pea Aphids"</i> Department: Biology
	ROSA PARK '17, BBC Research Mentor: Dr. Andrei Seluanov Project Title: <i>"Uncovering Pathways to Longevity Through the SIRT6 Ribosylome"</i>

Related:

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

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

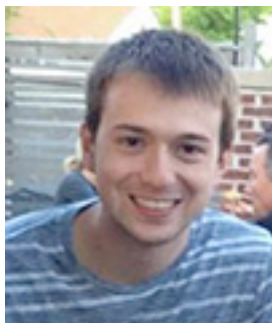
UPBM Peer Advising Squad for 2016-17

Advice from students who have been there and done that....

Peer Advisors are senior undergraduate students who major within the biological sciences and have gone through training with the College Center for Advising Services in coordination with the Undergraduate Program in Biology and Medicine. They can help students connect with faculty, discuss academics and share their research experiences. If they can't answer your question, they are happy to point you in the right direction!

The squad is a great resource for students seeking information on things like what they did to prepare for med school, or their experiences with studying abroad, or how they found their research mentors and much more. Benefit from those who have chosen similar career paths.

The profiles of this year's advisors are listed below. Be sure to read up on their backgrounds and reach out to them with your questions. You may contact them by sending e-mail to the entire squad UPBMPeerAdvisers@ur.rochester.edu or individually (see profiles for addresses below).



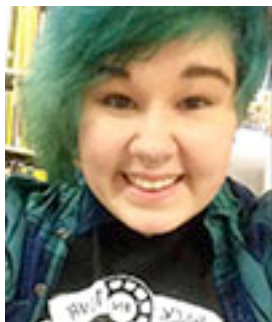
Blake Bentley BMG
bbentle2@u.rochester.edu

Blake Bentley is a senior pursuing a BS in Molecular Genetics, a minor in Psychology, and a cluster in Bioethics. He has served as a workshop leader for organic chemistry (CHM 203 and 204) and is looking forward to being a TA for mammalian physiology (BIO 204) in the fall of 2016. During the summer of 2015, Blake participated in the Summer Scholars Program at URM and is planning on continuing his research by completing independent studies in the Grayhack Lab throughout his senior year. He has volunteered in two elementary schools in the Rochester City School District and has also enjoyed volunteering in the Golisano Children's Hospital through the Friends of Strong program. Currently, Blake is working as a medical scribe at Rochester General Hospital and is planning on taking a gap year before applying to medical school.



Peggine Chien BCD
pchien2@u.rochester.edu

Peggine Chien is a senior pursuing a BS in Cell and Developmental Biology and minors in Chemistry, Computational Biology, and Music. Since her sophomore year, Peggine has been working in the Gan Laboratory at the UR Medical Center investigating inner ear hair cell regeneration. She has also worked at Yale School of Medicine investigating adipogenic development during Summer 2014, was selected as an Amgen Scholar at the University of Tokyo investigating muscle growth and regeneration in Tokyo, Japan during Summer 2015, and was selected into the Rockefeller University SURF Program investigating developmental neurobiology during Summer 2016. Aside from research, Peggine has been a Teaching Assistant for Organic Chemistry I (CHM 203) and for Principles of Biochemistry (BIO 252) and is the Event Coordinator for the Society of Undergraduate Biology Students. She is also the Concertmaster of both the UR Symphony Orchestra and the UR Chamber Orchestra and takes violin lessons at the Eastman School of Music. After her undergraduate education, Peggine will be pursuing a Ph.D. in Developmental and Stem Cell Biology.



Aryel Clarke BBC
aclarke4@u.rochester.edu

Aryel Clarke is a senior biochemistry major and McNair scholar. Aryel worked as a student lab assistant for Dr. James Fry for three years. She has also been working in Dr. Sina Ghaemmaghami's lab on independent study projects since the summer of her junior year. Her research focuses on using small molecules to investigate the relationship between protein degradation pathway autophagy and prion aggregation. During the summer before her senior year, Aryel will study under Dr. Thomas Martin at the University of Wisconsin-Madison on designing small molecule inhibitors of cancer exosome formation. She also looks forward to take on the WRUR Operations manager position next year as well as TA-ing for Dr. Ghaemmaghami's biochemistry class next spring. After graduating, Aryel plans to pursue a PhD in biochemistry or molecular biology.

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



Katherine Harvey BNS
kh Harvey4@u.rochester.edu

Katie Harvey is a senior majoring in Neuroscience and minoring in Studio Art and Chemistry. She has conducted research in Debbie Cory-Slechta's neurotoxicology lab, examining the effects of maternal exposure to mixtures of low-dose endocrine-disrupting chemicals on behavior and hormone regulation. She has served as an Organic Chemistry Workshop Leader (CHM 203), teaching assistant for Mammalian Physiology (BIO 204), tutor, and studio assistant. During Spring 2016, she studied evolutionary biology, ecology, and conservation at the Universidad San Francisco de Quito in the Galapagos Islands, Ecuador, and spent an additional six weeks researching the relationship between biodiversity and ecosystem services on the Andean páramo. She is also an enthusiastic dancer and manager for Rochester Bhangra, one of UR's competitive Indian dance teams, a cellist in the UR Symphony Orchestra and previously the UR Chamber Orchestra, and a member of the Art and Art History Undergraduate Council.



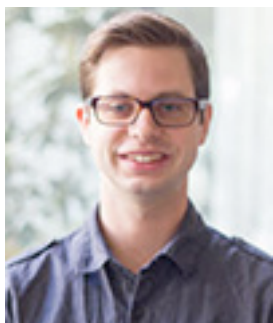
Rachel Levene BMB
rachel.levene@rochester.edu

Rachel Levene is a senior Microbiology major with minors in both Chemistry and Clinical Psychology. She is currently a TA for BIO 190. In addition, she has spent the past two summers working in the laboratory of Dr. Doris Bucher at New York Medical College investigating development of Influenza A Candidate Vaccine Viruses. She was the previous scholarship chair for Gamma Phi Beta and is currently the Administrative Vice President for Gamma Phi Beta. After graduation she plans to earn a PhD in microbiology to pursue vaccine research.



Gavin Piester BBC / CHM
gpiester@u.rochester.edu

Gavin Piester is a senior pursuing a BS in Biochemistry, a BA in Chemistry, and a minor in Music. He has been conducting research in the laboratory of Professor Noble at URM where he investigates the molecular and cellular pathology of Krabbe disease with emphasis on translation to clinical treatment. Over the summer of 2016, Gavin was selected as a Pasteur Foundation Summer Intern and conducted research on mitochondrial DNA stability in Cockane Syndrome at the Pasteur Institute in Paris, France. Previously, he studied self-and-co-assembly in the Amyloid- β peptide in the laboratory of Professor Nilsson at UR and analysis of pesticides and toxins in foods at the New York State Department of Health. Gavin has been a Workshop Leader for Freshman Organic Chemistry I & II and Principles of Biochemistry as well as a Super Leader for Organic Chemistry I. Additionally, he is currently the President of the Society of Undergraduate Biology Students and the Undergraduate Musicians' Council. Outside of science, Gavin is a varsity member of the Men's Rowing Team and plays trumpet in the Symphony Orchestra. Gavin hopes to complete a MD/ PhD in Neuroscience and pursue translational research as a physician-scientist.



Stephen Powell BIO / BCS
s.powell@rochester.edu

Stephen Powell is a Take 5 Student majoring in Brain & Cognitive Sciences (BS) and Biology (BA) with minors in Psychology and ASL. His Take 5 has him exploring how the West has influenced African developmental political policies. Currently, he works as a research assistant in Dr. Kurumada's Kinder Lab to study how children comprehend implied meaning in language. In the summer of 2015 he conducted research at Stanford through their CSLI internship program concerning how inhibitory control in children correlates with other linguistic abilities. Also, in the Spring of 2015 he was the TA for BCS 111. In non-academic aspects of his life, he is a freshmen RA on the Quad, is a member (and previous president) of Radiance Dance Theatre, juggles with the UR Strong Jugglers, and volunteers at the Isaiah House Hospice. Ultimately, Stephen is interested in becoming a pediatric physician while engaging in clinical research.

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



Zack Quirk BEB / GEO
zquirk@u.rochester.edu

Zack Quirk is a senior majoring in evolutionary biology/ecology and geology, with clusters in German and History: War and Revolution. Zack is a teaching assistant for EES 201 and has completed an independent study project with Dr. Penny Higgins of the SIREAL lab. Zack has had fieldwork experience in Kemmerer, Wyoming on a paleontological dig with the Field Museum of Chicago. Additionally, during the summer of 2015 Zack was a member of a paleontological/geological expedition to the high Canadian Arctic with the University of Rochester's paleomagnetism group. He is the Vice-President of the Latin dance group, S.A.L.S.E.R.O.S., enjoys exercising and playing soccer, and learning about the evolution of video games. After graduation, Zack hopes to pursue a doctorate in paleobotany/paleontology.

Health Professions Advising

Resources for Students Considering a Future in Health Care by Caterina Caiazza

Welcome students! For those of you considering a future in healthcare, pre-health advisors are available to help you with your academic and career planning. Now located in the Gwen M. Greene Career & Internship Center on the 4th floor of Dewey Hall, pre-health advisors can assist anyone interested in medicine, dentistry, vet, physical therapy, pharmacy, physician assistant, nursing, public health and many more fields! Whether you have questions about pre-requisite courses, shadowing a doctor, volunteering with patients, gaining research experience or the application process, the Career Center is the place to come for help. Appointments can now be scheduled online through [Handshake](#).

And don't miss out on our weekly newsletter with great information on seminars we're teaching, internship/research opportunities, grad school information sessions and important deadlines to be aware of! Send an email to urhealthprofessions@ur.rochester.edu with the subject "listserv."

Drop-in advising is also available with Health Professions Peer Advisors. Come see Leah or Eugenia for quick questions!

Mondays, 9-11 AM in Starbucks with Leah
 Tuesdays, 4-6 PM in Gleason Library
 Wednesdays, 2-4 PM in Gleason Library with Leah
 Thursdays, 4-6 PM in Starbucks with Eugenia

Caterina M. Caiazza
Director, Health Professions Advising

Related:
[Gwen Green Career and Internship Center Website](#)

Senior Slide Show

Never too early for pictures

I realize it is September but really, May is going to be here in a hot Texas minute people.

The senior slide show is a collection of pictures from our graduates that is shown at the Biology Department Diploma Ceremony on Sunday 5/20/17. It is a great way to celebrate the times you've shared and will always cherish. Pictures should be of you and your colleagues (Bio and Non-BIO) having fun. Yes, your parents will probably be seeing the slide show if they attend the Diploma Ceremony.

Please feel free to forward your pics, selfies and other various to Marianne Arcoraci in the UPBM office.

Related:
[Senior Slide Show 2016](#)
[UPBM Newsletter June 2016 Special Edition](#)

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

Summers of Serious Scientists

Audrey Goldfarb Writing Professional By-Lines for the American Bird Conservancy



Audrey Goldfarb '19, BMG

When Audrey Goldfarb is not pursuing a bachelor's degree in molecular genetics, with minors in journalism and psychology she interns for the American Bird Conservancy's writing/communications.

Over the summer she has written three articles and has generated over 37,000 likes on the American Bird Conservancy Website. We look forward to seeing more from this young scientist.

Rapid 'Ohi'a Death Threatens Habitat For Hawai'i's Forest Birds

by Audrey Goldfarb | 7/18/16: <https://abcbirds.org/rapid-ohia-death-threatens-habitat-for-hawaiis-forest-birds/>

Researchers Turn A Concerned Eye To The Mysterious Marbled Murrelet

by Audrey Goldfarb | 8/12/16: <https://abcbirds.org/researchers-turn-a-concerned-eye-to-the-mysterious-marbled-murrelet/>

On A Mission To Save The Tricolored Blackbird

by Audrey Goldfarb | 8/30/16: <https://abcbirds.org/on-a-mission-to-save-the-tricolored-blackbird/>

New Springer Protocols

Message from Science & Engineering Outreach Librarian Moriana Molchanov Garcia

Our new subscription to [Springer Protocols](#) is up and running. All five book series and two journals have been indexed and are available online. We purchased the Archive this summer and have a current subscription for the next year. You can find the database (Springer Protocols) in our list of Databases, and the individual book series (like Methods in Molecular Biology) and journals in our list of E-Journals. More information about Springer Protocols below, with a detailed list of indexed titles.

The Springer protocols is a Collection of full text biomedical and life sciences protocols documenting experiments with step-by-step laboratory instructions, and lists of equipment and ingredients.

Comprised of five book series and two journals: Methods in Molecular Biology, Neuromethods, Methods in Molecular Medicine, Methods in Pharmacology and Toxicology, Methods in Biotechnology, Springer Protocols Handbooks, Molecular Biotechnology, and Biological Procedures Online.

It would be great for students to consult Springer Protocols <http://libguides.lib.rochester.edu/go.php?c=23703273> whenever they need to learn more about a new experiment or procedure. It can give them detailed instructions and a historical background. Excellent all around.

Another resource that we acquired last semester was OpenHelix, a database of Bioinformatics tutorials and genomic resources <http://libguides.lib.rochester.edu/go.php?c=21336089>

Those can help students understand and navigate other Bioinformatics databases, an area with hundreds of specialized products.

If there is journal or online resource that you would like the Library to acquire or subscribe to, please let me know as soon as possible. It requires planning, and it pays to be ready to seize the opportunities as they come.

For more information on the protocols contact:

Moriana L. Molchanov Garcia, MS, PhD, MLIS
Science & Engineering Outreach Librarian
Biology, Computer Science and Chemical Engineering
Carlson Science & Engineering Library
University of Rochester
Rochester, NY 14627-0236
Phone: 585-275-8088
Email: mgarcia@library.rochester.edu

Related:

[River Campus Libraries](#)

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

Society for Undergraduate Biology Students

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.."

Students can join by visiting the SUBS Website or by contacting the Club President, Gavin Piester '17, BBC/CHM at: gpiester@u.rochester.edu

Related:

[Society for Undergraduate Biology Students Website](#)

[On-line SUBS T-shirt Order Form](#)

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

Opportunities

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](#)

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

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

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 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](#)

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

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](#)

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](#)

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

University of Iowa
[Summer Undergraduate MSTP 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, RC Libraries
[Research Initiative Award for Undergraduates](#)

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

University of Texas South Western
[Summer Undergraduate Research Fellowship SURF](#)

University of Utah
[Undergraduate Research Programs](#)

University of Virginia / Mountain Lake Biological Station
[Summer Research Experiences of Undergraduates](#)

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

World Teach
[Opportunities](#)

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

Upcoming Events in 2016-17

Will e-mail more information out as we get closer to the events

10.07.2016 (Friday)	UPBM Poster Session (Meliora Weekend Event)
October 2016 (TBD)	Undergraduate Research Fair
October 2016 (TBD)	National Student Fellowships & Awards: Information Sessions
December 2016 (TBD)	UPBM Pizza Break - usually during reading period
03.03.2017 (Friday)	de Kiewiet Fellowship Letter of Intent e-mail due (Juniors only)
03.06.2017 (Monday)	Honors in Research Application for candidacy due (Seniors only)
03.20.2017 (Monday)	de Kiewiet Fellowship application materials due (Juniors only)
May 2017 (TBD)	UPBM Pizza Break - usually during reading period
05.05.2017 (Friday)	Honors in Research candidates must defend thesis by first Friday in
May	
05.21.2017 (Sunday)	Biology Department Diploma Ceremony (Commencement)

Helpful Links

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

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Sharing Means Caring

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.

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