



BIOLOGY

COLORADO STATE UNIVERSITY

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SPRING BREAK!

Spring Break is Monday, March 12th - Friday, March 16th

Drop-In Advising Hours

The Academic Success Center will not offer appointments over Spring Break, but we will have drop-in advising hours for most of the break. Come in for drop-in advising **Monday-Thursday** from **9-11am** and **1-3pm**. Regular appointments/drop-in hours will resume after Spring Break (Monday, March 19th).



Student Registration

**CHECK RAMWEB FOR YOUR INDIVIDUAL
FALL 2018 REGISTRATION ACCESS DATE/TIME!**

Fall 2017 Registration Access Start Dates

- April 2 - Graduate & Professional, Second Bachelor's Students
- April 3 - Seniors
- April 6 - Juniors
- April 13 - Sophomores
- April 20 - Continuing Freshmen

**Advising appointments are typically booked 1-2 weeks in
advance around registration. Plan ahead:**

- ◆ Update your graduation plan, and bring a list of classes you have in mind for the upcoming semester (or two!) to your appointment or drop-in.
- ◆ Book an appointment **now** for late March or early April. Plan to see an advisor at least 2 weeks before your registration date. Have the scheduling system text you a reminder so you don't miss your appointment!



MARCH 19TH IS THE WITHDRAWAL DEADLINE

March

19

- ◆ Last day to withdraw from a course ("W" on your transcript)
- ◆ Last day to submit a Repeat-Delete form
- ◆ We will have extra drop-in hours from 9 to 11am and 1 to 3pm on Monday March 19th!

Please come to drop-ins or make an advising appointment if you are considering withdrawing from a course.

Have you updated your graduation plan recently?

Don't forget about classes offered in

Fall or Fall-Even terms!



BZ Courses Offered in Fall Terms

- BZ212** Animal Biology—Invertebrates
- BZ 223** Plant Identification
- BZ 418** Ecology of Infectious Disease
- BZ330** Mammalogy
- BZ333** Introductory Mycology
- BZ346** Population and Evolutionary Genetics
- BZ348** Theory of Population & Evolutionary Ecology
- BZ 360** Bioinformatics & Genomics
- BZ433** Behavioral Genetics
- BZ462** Parasitology and Vector Biology
- BZ 577** Computer Analysis in Population Genetics
- BZ578** Genetics of Natural Populations

BZ Courses Only Offered in Fall Even Terms

- BZ331** Developmental Plant Anatomy
- BZ332** Introductory Phycology
- BZ425** Molecular Ecology
- BZ476** Genetics of Model Organisms
- BZ 535** Behavioral Ecology
- BZ 572** Phytoremediation





Interested in summer classes?

Check out summer.colostate.edu for registration, full course offerings, and financial aid info!

**Registration begins on Tuesday,
March 20th at noon!**

Life Sciences

ANTH373 Human Evolution
LIFE102 Attributes of Living Systems
LIFE103 Biology of Organisms
LIFE320 Ecology
BZ220 Introduction to Evolution
BZ223 Plant Identification
BZ300 Animal Behavior
BZ310 Cell Biology
BZ311 Developmental Biology
BZ350 Molecular & General Genetics
BZ479 Biology and Behavior of Dogs (online)
BMS300 Principles of Human Physiology
BMS301 Human Gross Anatomy
MIP300 General Microbiology
MIP302 General Microbiology Lab
MIP342 Immunology
FSHN350 Human Nutrition
HES403 Physiology of Exercise
PSY454 Biological Psychology
PSY455 Biological Psychology Lab

VS331 Histology (online)

VS333 Domestic Animal Anatomy (online)

Physical Sciences/Math

MATH117 College Algebra

MATH118 College Algebra II

MATH124 Logarithmic & Exponential Functions

MATH125 Numerical Trigonometry

MATH155 Calculus for Biological Scientists

STAT301/307 Intro to Statistics/Biostatistics

CHEM111/112 General Chemistry I and Lab

CHEM113/114 General Chemistry II and Lab

CHEM245/246 Fundamentals of O-Chem and Lab

CHEM341 Modern Organic Chemistry I

CHEM343/344 Modern Organic Chemistry II & Lab

BC351 Principles of Biochemistry

PH121 General Physics I

PH122 General Physics II

AUCC Courses—Various

Graduating this May?

Visit <https://commencement.colostate.edu/> and <https://www.natsci.colostate.edu/graduation/> to learn more about the commencement ceremony!

*If you are finishing up remaining requirements this summer you can still participate in the May ceremony!



Career Center Resources for Finding Summer Internships

The Career Center has drop-in Hours every day 10am-2pm

Research Experience of Undergraduates: <https://people.rit.edu/gtfsbi/Symp/summer.htm>

Animal Internships - <http://www.greenpeople.org/sanctuary.htm>

http://www.humanesociety.org/about/employment/internships/internships_hsus.html?credit=web_id86441259 (more animals)

Summer Camps: <http://www.coolworks.com/>

National Science Foundation: https://www.nsf.gov/crssprgm/reu/reu_search.jsp

Biology and Biochemistry - <https://biology.duke.edu/undergraduate/current-students/research-independent-study/summer-opportunities>

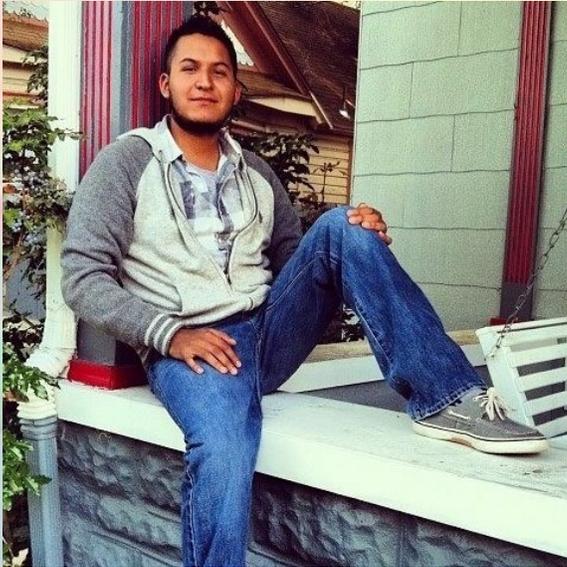
Are you on academic probation this semester?

SCHEDULE YOUR REQUIRED APPOINTMENT WITH AN ASC!

- ◆ If you are on Probation I or Probation II, you are required to meet with an Academic Success Coordinator this semester to receive your advising code.
- ◆ Probation I students: Watch the video in your email about academic policies and what it means to be on probation. Complete the academic self-assessment at the end, and schedule an appointment with an ASC. Bring your self-assessment with you to your appointment.
- ◆ Probation II students: Simply schedule an appointment to talk with an ASC!

Meet Our Newest Biology/Zoology Advisor:

Rafael Orozco!



Hello! My name is Rafael and I recently joined the Biology ASC team in February. I attended Colorado Mesa University in Grand Junction for my undergrad where I received my Bachelors in Spanish Applied Professional with a minor in Social Work. After graduating from CMU, I enrolled with the University of Denver in one of their distance programs to work on my Masters in Social Work. While earning my MSW I worked for the non-profit organization Western Colorado AIDS Project as a bilingual case manager for individuals who are HIV/AIDS positive. I also worked with TRiO-Student Support Services at CMU where I worked with first-generation, low-income, and students with a documented disability as an advisor for them.

One of the reasons why I am excited to be a part of the Biology ASC team is because I love working with students on setting goals especially when it comes to achieving a higher education. I have always been passionate about higher education and now working with students to achieve those goals gives me the reassurance that I am in the right field of work. The biggest two tips I can give to our students in order to be successful is to work on time-management skills and giving yourself the self-care that you need/deserve! Going to college is not an easy task and we must be able to give ourselves time to do the things that we like to do outside of school obligations!

Outside of work my main responsibility is taking care of my year old pup named Finley. Duties include feeding him, replacing shoes and phone chargers he chews and taking him to the dog park! I also enjoy watching college basketball, softball and volleyball and recently the Olympics of course!



Faculty Focus

We thought that you might enjoy getting to know the faculty members of the Biology Department. Each newsletter will include a brief interview with a faculty member. Let us know who you are interested in learning more about! Email Abbie Reade (abbie.reamde@colostate.edu) to nominate your favorite faculty members for future newsletters!

Introducing Dr. Graham Peers

Which classes do you teach?

Introductory Phycology (Algae!), Marine Biology, Practices in Marine Ecology (study abroad in Mexico), Cell Biology and I used to teach LIFE103 and a Communicating Science to Non-Scientists seminar.

What do you enjoy about each class that you teach?

The most rewarding part of all my classes is working with individual students to help them develop into independent learners. Its really awesome to watch student succeed after their hard work!

Could you speak to the educational experiences that led you to your current role?

I did my B.Sc. studies at the University of British Columbia in Oceanography and Biology and my Ph.D. is from McGill University. I switched my focus from oceanography to molecular biology when I was a post-doctoral researcher at UC Berkeley and then I spent a few years in the biotechnology industry before joining CSU.

What was your college experience like?

Probably the best experiences I had were associated with my work in a research lab. It was the first time I saw how all the classes I was taking were connected and that the skills I was learning in class were applicable to future careers. And it was just great fun working with excited graduate students and researchers from so many different cultures.

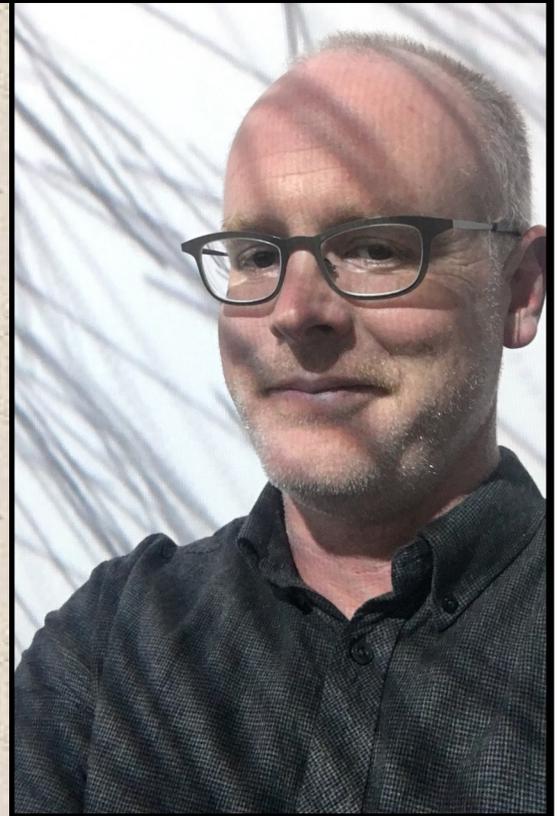
UBC was a really big campus – each of my “core” courses had at least 300 students. It took me until my junior year to realize that the problems I was struggling with weren’t going to be solved by just attending lecture and reading the book or studying alone – it was going to office hours and working one-on-one with my professors that helped the best. Once I started this, my entire student life changed. I went from feeling faceless in a large lecture hall to first name basis with many of my professors.

What are your primary research interests? What do some of your graduate student’s research?

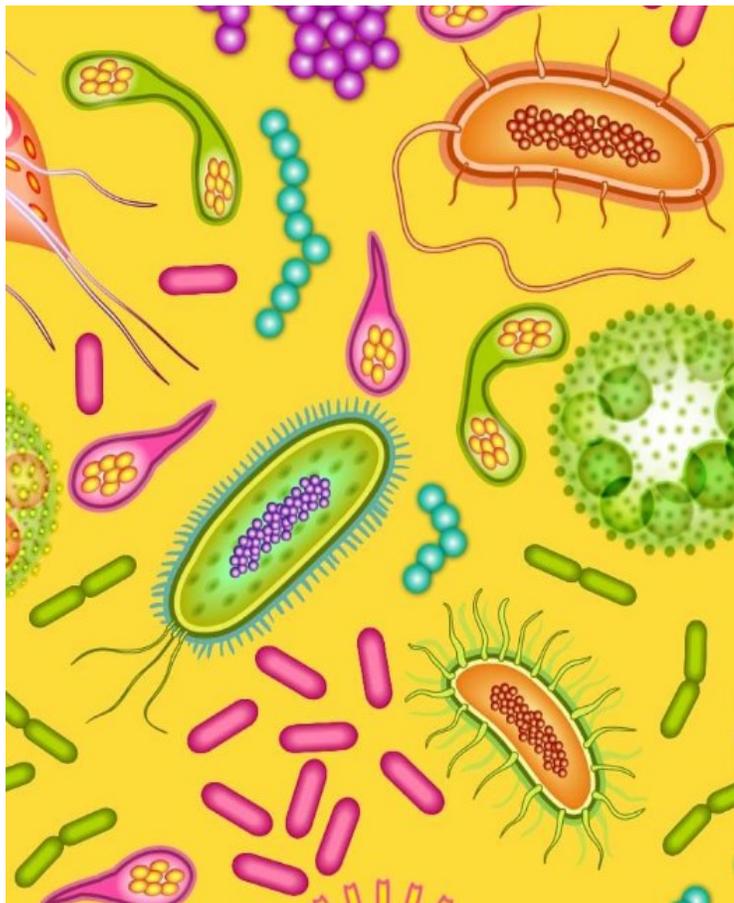
My research is focused on photosynthetic microbes and we want to know why they are so much better at doing photosynthesis than plants. We hope that our research can be applied to improving crop yields and food security. Graduate and undergraduate students in the lab research a wide range of problems: how light is wasted by photosynthesis, how carbohydrates and fats are metabolized, using algae for wastewater remediation and an undergraduate is just starting a project on coral respiration in response to temperature stress.

What are your hobbies and interests outside of the classroom?

I enjoy cooking – maybe a little too much. I’m also just starting to get serious about playing the drums again. I dropped the idea of being a professional musician at around the start of my Ph.D. and I have really missed playing with a band.



**We hope you have enjoyed getting to know Dr. Peers!
Look for him around the Biology Building!**



COLORADO STATE BIOLOGY CLUB

NEXT MEETINGS:

> MARCH 28 AT 6PM IN CLARK 142

> APRIL 25 AT 6PM IN CLARK 142

FACEBOOK: COLORADO STATE UNIVERSITY
BIOLOGY CLUB 2017-2018

TWITTER: @CSUBIOCLUB

INSTAGRAM: @COLOSTATEBIOLOGYCLUB

EMAIL: COLOSTATEBIOLOGYCLUB@GMAIL.COM

CSU Zoology Club

Spring Meetings:

March 6th - Northern Colorado Herpetological Society W/ Ambassador Reptiles

March 20th - RMRC w/ their Ambassador Birds

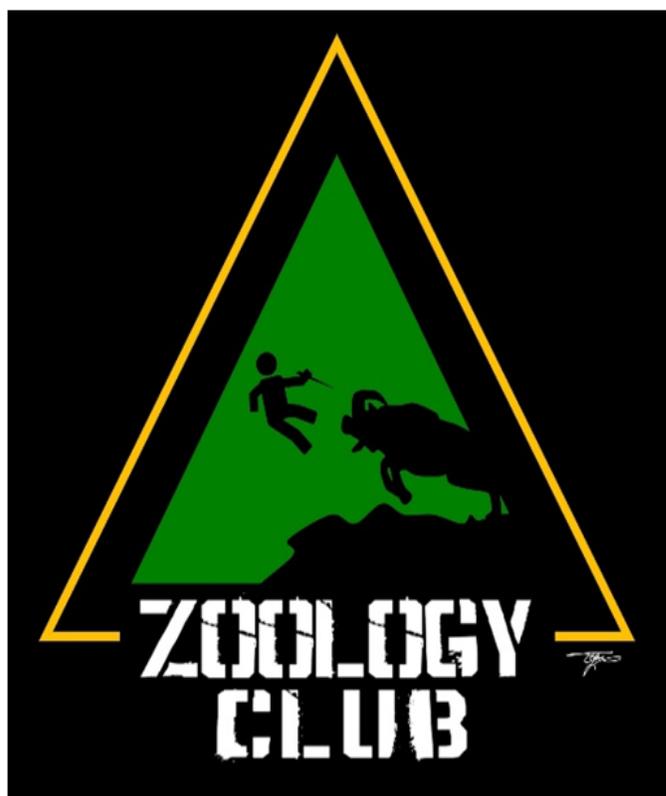
April 10th - Anton, Denver Zookeeper, former club member; and club elections

April 24th - Graduate students talk plus End of the Year Party!

Facebook: CSU Zoology Club

Instagram: @csuzoologyclub

Email: csuzoologyclub@gmail.com



ECOLOGY, EVOLUTION, & CONSERVATION OF ECUADORIAN BIODIVERSITY

Ecuador

Interested in studying abroad? Talk with your advisor and visit the Education Abroad Office to start planning!

Apply online at URL below!
(search “Ecuador”, biodiversity)

educationabroad.colostate.edu

SCHOLARSHIPS 101

February 1 | 12 P.M. | LSC 312
April 4 | 12 P.M. | LSC 312

Overview of scholarship opportunities available for education abroad through the Office of International Programs, CSU departments, and external scholarships.

GILMAN SCHOLARSHIP

February 20 | 12 P.M. | LSC 312

The Gilman Scholarship Program is a national competitive scholarship open to undergraduate students who are U.S. citizens, Federal Pell Grant eligible, and participating in programs for 3 weeks or longer in one country. More info: gilmanscholarship.org.

FUNDING YOUR EDUCATION ABROAD

March 21 | 12 P.M. | LSC 310
April 12 | 12 P.M. | LSC 312

Fund your international experience with creative fundraising, crowdfunding and budgeting. Learn tools to determine your budget, make a financial plan, and see examples of successful Go Fund Me and Fund My Travel campaigns.

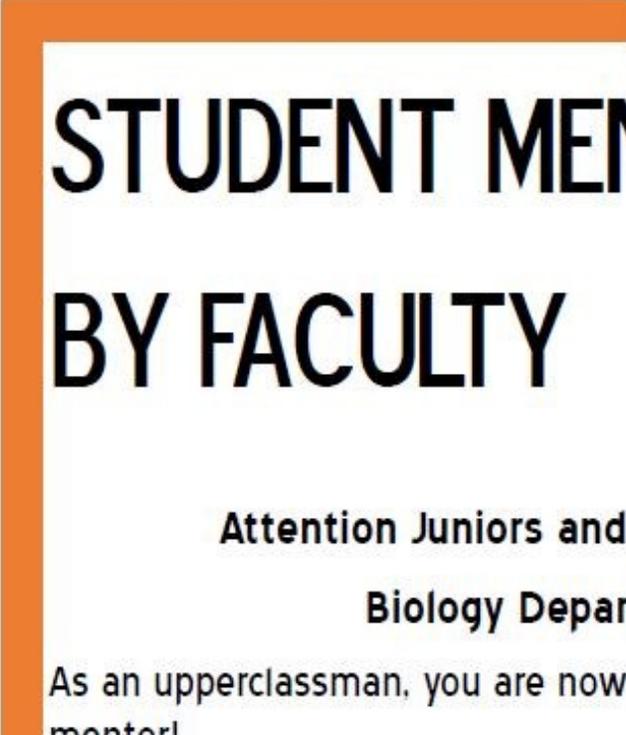
STEM FUNDING FOR SUMMER 2019

April 10 | 12 P.M. | LSC 312

Information on programs in the STEM fields and special funding opportunities for STEM majors. Options include short-term, traditional study, internship, and research programs.

EXPLORE • ENGAGE • DISCOVER





STUDENT MENTORING BY FACULTY

**Attention Juniors and Seniors in the
Biology Department!**

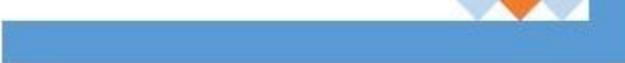
As an upperclassman, you are now being assigned a faculty mentor!

-
- This is a unique opportunity to interact with faculty who are
- doing cutting-edge research in the fields of Biology, Zoology and Botany.

The Department of Biology gives you the opportunity to meet with a faculty mentor to discuss graduate school, obtain career advice, and receive guidance about which upper division or selected/additional field classes would be good fits for your interests. Your faculty mentor is listed in your RamWeb.

Want to make an appointment to meet with your mentor?

Email bio_ugradmentoring@lists.colostate.edu



3rd Annual Life Sciences Symposium - May 18, 2018!

Location: Penn State University, University Park

Symposium Date: May 18, 2018

Expenses: Hotel accommodations will be made for you and your travel reimbursed (after 1-day symposium) if chosen **Application deadline:** April 18

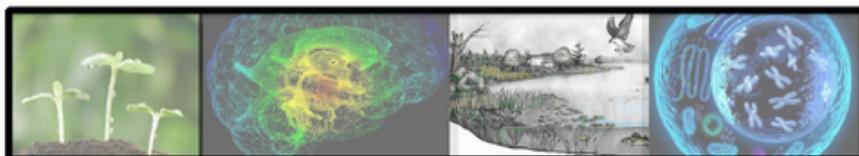
This Life Sciences Symposium ([additional info here](#)) will give the undergraduate visiting research scholar an opportunity to explore life sciences research labs, centers of excellence, and core instrumentation facilities; meet with our world-class faculty; learn about life sciences graduate programs; and network with the dynamic life sciences research community. Looking for junior and senior undergraduates who will be applying to graduate school this fall (2018)!

Application materials to be submitted by the student and emailed to:

huvrs@psu.edu



Huck Undergraduate Visiting Research Scholar Call for Applications



Become a Huck Institutes **Undergraduate Visiting Research Scholar** and attend the **Life Sciences Symposium** at Penn State, May 18, 2018.

This symposium showcases the wide array of interdisciplinary life sciences research at Penn State, and is a great opportunity to present your research, jump start your graduate career, and determine if you want to become part of life sciences research at Penn State. To learn more about the graduate degree programs of the Huck Institutes of the Life Sciences, visit <http://www.huck.psu.edu>.

We are seeking applications from current junior and senior undergraduates who will be **applying** to graduate school in fall 2018 (for matriculation in fall 2019). **The deadline for Undergraduate Visiting Research Scholar applications is April 18, 2018.**

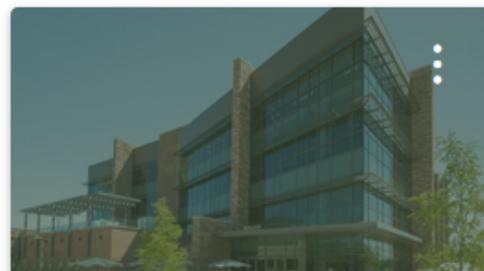
The Huck Institutes of the Life Sciences at Penn State will reimburse accepted Undergraduate Visiting Research Scholars for travel and provide accommodations for participation in the annual **Penn State Life Sciences Symposium**. At the symposium, Huck Institutes Undergraduate Visiting Research Scholars will be provided opportunities to explore life sciences research labs, centers of excellence, and core instrumentation facilities; meet with our world-class faculty; learn about life sciences graduate programs; and network with the dynamic life sciences research community. Read more about the Life Sciences Symposium at <https://sites.psu.edu/lifesciencesymposium/>.

To apply: submit a 1-2 page **description of your research experience, interests and career goals**, and an **unofficial transcript**. You also have the option of submitting a **500-word poster abstract** of your research (not required). **All applications may be submitted via e-mail to huvrs@psu.edu**

Have you noticed
the Biology-Zoology
Advising page on
Canvas?

Here's one great re-
search-related op-
portunity to check
out! See Canvas for
links and more info,
and be checking
Canvas every day for
more cool opportu-
nities!

Look for this on your
dashboard



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COMMUNITIES-Term





Registration Opened: Tuesday, January 16, 2018

Website: <https://curc.colostate.edu>

Categories for submission include: Research Posters, Service Learning Posters, Visual Art, Oral Presentations, and a Writing Competition (creative writing, nonfiction, scholarly articles, etc.)

****Submission Deadline: Tuesday, March 20, 2018 by 11:59pm****

<https://curc.colostate.edu/participate/>

Faculty and Staff Judging Volunteer Link:

<https://curc.colostate.edu/judge/>

CURC Symposium: Monday, April 16, 2018 10:30am-1:30pm

8:00am-9:30am: Participant Check-in and Poster/Art Display Set up

10:30am-1:30pm: Concurrent Poster Displays, Oral Presentations, and Art Displays. *Food will be available*

CURC Awards Ceremony: Thursday, April 26, 2018 5:00pm-7:00pm

Best in Show for each category receive \$250 in either RamCash or CSU Book Store Gift Certificates. <https://curc.colostate.edu/awards/>

Direct any CURC related questions or comments to

Dr. Melissa Edwards at Melissa.Edwards@Colostate.Edu

Want to get your undergraduate research out on the public stage and celebrate your work? Gain experience presenting to CSU faculty and staff about your work? Register for CURC, and submit your work by **Tuesday, March 20th!**

One week left to apply!!!

TEACH STEM



MAKE A DIFFERENCE



NSF Robert Noyce Scholarship Program



The scholarship program is for students who:

- Have earned at least 60 credits
- Are majoring in a STEM field
- Have earned at least a GPA of 3.0 to be most competitive
- Would like to pursue a career in STEM teaching

Noyce scholars will receive:

- \$10,000 scholarship per year for both Junior and Senior years
- \$1,000 stipend per year for the first two years of teaching
- Mentoring and professional development supports



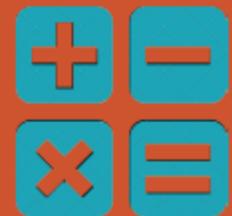
After graduation, Noyce scholars will:

- Teach 2 years in a high needs school district for every year of scholarship received
- Participate in mentoring and professional development activities

APPLY ONLINE: <http://cns.natsci.colostate.edu/noyce/>

APPLICATION DUE: March 9, 2018

CONTACT: noyce_info@mail.colostate.edu



College of Natural Sciences
College of Health and Human Sciences
College of Engineering
College of Veterinary Medicine & Biomedical Sciences



Colorado State University

College of Natural Resources
Center for Educator Preparation
CNS Education & Outreach Center
CSU STEM Center

VCU-PREP Program



WE OFFER

- ◆ Mentored Research Experience
- ◆ Formal advice on graduate applications
- ◆ Salary of \$27,000
- ◆ Opportunity to present at National Scientific Conference

Application opens November 15, 2017-
March 15, 2018

For more information contact:

Virginia Commonwealth University
Center On Health Disparities
P.O. Box 980501
Richmond, Virginia 23298-0501
cohdttraining@vcuhealth.org

Post-Baccalaureate Research Training

The Post-Baccalaureate Research Training Program (PREP) is a one-year biomedical research training program for recent college graduates from underrepresented groups considering graduate-level training in the biomedical sciences. The program provides scholars with a year-long paid mentored research experience and the opportunity to develop technical and critical-thinking skills. PREP scholars have the opportunity to take graduate-level courses and a GRE preparation course, as well as receive formal advice on selection of graduate programs, preparation of graduate school applications, and preparation for graduate school interviews.

Eligible applicants must have graduated prior to program start on July 1. Students must be interested in pursuing a PhD or MD/PhD. Applicants must have graduated within 3 years of program start. Applicants must be US Citizens, permanent residents or non-citizen nationals with proof of citizenship status.

Apply online: <http://www.healthdisparities.vcu.edu/> under "Research Training Programs"



now hiring medical scribe position



doctors save lives.
scribes save doctors.



ScribeAmerica hires and trains anyone interested in a career in medicine. We provide paid classroom and clinical training in the medical department to prepare applicants to be medical scribes.

The role of a scribe offers exciting first-hand experience in the medical department and full one-on-one shifts working with board certified physicians. The job is second-to-none for exposure to medicine, disease processes, medical decisionmaking and procedures performed in the medical department.

We are looking for motivated, loyal applicants who have a passion for learning about the medical field to join our team. If you are looking to be a part of a professional medical scribe team please apply directly at www.scribeamerica.com/apply today!

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- Benefits
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- Flexible scheduling
- Great learning experience
- Room for advancement

Apply today: www.scribeamerica.com/apply



KAISER PERMANENTE®

UNDERGRADUATE PRE-HEALTH PROGRAM

Program Information

University of Colorado Anschutz Medical Campus, Office of Inclusion and Outreach and Kaiser Permanente Health Plan of Colorado Office of Equity, Inclusion & Diversity partner to provide support for undergraduate students interested in pursuing careers related to health care.

Participants engage in a 13-month program that cover topics including health care equity and health care disparities within various communities. The program also includes career and educational development workshops. Sessions are lead by distinguished University of Colorado faculty, staff, and students, Kaiser Permanente physicians and staff and will consist of lectures and demonstrations.

The program begins with a summer orientation. Saturday Academy workshops will be held once monthly (August 2018—May 2019) with a full-time paid 10-12 week summer internship (May 2019—August 2019; contingent upon successful completion of Saturday academies).

"I gained valuable workplace experiences and feel very prepared for the future in a way I did not know was possible."

- Danielle Davis



Program Opportunities Include:

- ▶ Annual participation in UPP's Anschutz Medical Campus Track or Kaiser Permanente Track, year-round coaching and Saturday workshops
- ▶ Career exploration: presentations and day-long visits to Nursing, Medicine, Pharmacy, Graduate, Public Health and Dentistry colleges and schools at University of Colorado Anschutz Medical Campus
- ▶ Lectures and discussion on topics such as cultural competent care, health disparities in underserved communities
- ▶ Opportunities to shadow healthcare professionals (opportunities vary and are based on performance)
- ▶ Assistance with school application letters, writing personal statements, and mock interviews
- ▶ Scholarship for exam reviews (i.e., MCAT, PCAT, DAT, GRE) ***based on commitment, academics and overall preparedness for graduate programs
- ▶ Opportunity to mentor high school students and serve the community

See more information on the next page!

Application Requirements

- ▶ Applicants must have completed at least one year of college by June 2018 (30 or more credits)
- ▶ Applicants must be a year or two removed from applying to professional or graduate programs and must be enrolled as a full-time student for the duration of the program (Fall 2018—Spring 2019) *Seniors only considered with special circumstances
- ▶ Applicants must be U.S. Citizen or U.S. Permanent Resident
- ▶ Minimum GPA of 3.3 cumulative required (preferred 3.5 GPA)
- ▶ Minimum Science GPA of 3.3 cumulative required
- ▶ Two (2) letters of recommendation (at least one from science faculty)
- ▶ Current official transcript(s)
- ▶ Interview

Contact Us

Kaiser Permanente,
Office of Diversity, Equity & Inclusion

Andréa Law
andrea.n.law@kp.org
or
andrea.law@ucdenver.edu



FOR MORE INFORMATION OR TO APPLY VISIT: www.ucdenver.edu/UPP



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