



May 1, 2023

Hi folks,

Looking back on the semester, I'm appreciating the three great speakers we had - [Ambika Kamath](#), [Emily Stanley](#) and [Christopher Schell](#) and all the wonderful defense seminars including: Caitlin Miller, Sarah Whipple, Rebecca Harris, Olivia Hajek, Amanda Cicchino, George Valentine, Natalie Buccholz, Bennett Hardy, Jacob Pitt, and Anna Wright with several more coming up soon (including Forest Hayes, Katie Nigro, Kyle Ruszkowski, Patrick Ryan, and Sarah Carroll)! We now also have next year's invited speakers all lined up! In the fall our Alum will be [Dan Cariveau](#), our resident will be [Mike Antolin](#). In the spring we will host [Naomi Pierce](#), [Jianguo Liu](#), and [Aida Cuni-Sanches](#).

The picnic is this Wednesday, and I'm looking forward to catching up with folks in person then.

Best,

Ruth Hufbauer, Director



## GDPE EVENTS & ANNOUNCEMENTS



### GDPE Spring Picnic

Join us for an end of the semester gathering at **Intersect Brewing this Wednesday, May 3rd** from 4-7PM. We will be celebrating our new graduates, graduate student award recipients, and the rest of our GDPE community for completing another semester! Pizza and drinks will be provided.

We will also be continuing our GDPE Bake-Off! Bring your favorite homemade dessert to enter the contest. Prizes will go to the top desserts. [RSVP here](#)



Scan to access the submission form



GRADUATE DEGREE PROGRAM IN ECOLOGY  
COLORADO STATE UNIVERSITY


### Call for ECOL 592 Submissions

These unique seminars provide cutting edge ecology topics which are changed and updated each semester. We are currently accepting submissions from students and faculty for the Fall 2023 semester. Previous seminars can be found [here](#) and the submission form can be accessed [here](#). Submissions are accepted up until the first week of the semester.

GDPE Event Calendar


## Student Defenses

**Ecological consequences of warming climates for cold-adapted species – Evidence from mountain goats**



Forest P. Hayes  
PhD Exit Seminar  
Advisor: Joel Berger

May 1, 2023 3:00 PM  
Wagar Building 132



GRADUATE DEGREE PROGRAM IN ECOLOGY  
COLORADO STATE UNIVERSITY

### PhD Defense Seminar

**Forest P. Hayes**

*Ecological consequences of warming climates for cold-adapted species - Evidence from mountain goats*

May 1, 2023  
3:00 pm MT  
Wagar Building 132

### PhD Defense Seminar

**Katie Nigro**

*The role of disturbance and local adaptation in altering tree regeneration responses to climate change*

May 5, 2023  
10:00 am MT  
MSNR 345  
Zoom [Link](#)

**The role of disturbance and local adaptation in altering tree regeneration responses to climate change**



Katie Nigro  
PhD Defense Seminar  
Advisor: Miranda Redmond  
May 5<sup>th</sup>, 2023, 10:00 AM  
MSNR 345



FOREST AND RANGELAND STEWARDSHIP  
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### MS Defense Seminar

**Kyle Ruskowski**

*Green Roof Effects on Plant Growth, Floral Phenology, and Floral Nectar Resources*

GREEN ROOF EFFECTS ON PLANT GROWTH, FLORAL PHENOLOGY, AND FLORAL NECTAR RESOURCES



Kyle Ruszkowski  
MS Defense Seminar  
May 5<sup>th</sup> at 11 AM  
Animal Sciences, Room 31

Committee:  
Dr. Jennifer Boussetol (Advisor)  
Dr. Ruth Hulbauer  
Dr. Sarada Krishnan

May 5, 2023  
11:00 am MT  
Animal Sciences Room 31

## PhD Defense Seminar

**Sarah Carroll**

*A Holistic Evaluation of Human-Elephant Interactions in Multiuse Savannas*

May 9, 2023  
9:00 am MT  
Zoom [Link](#)

## A Holistic Evaluation of Human - Elephant Interactions in Multiuse Savannas

Sarah L. Carroll  
PhD Exit seminar

May 9<sup>th</sup>, 2023 9:00 AM MT  
345 Michael Smith Bldg.  
Remote access:  
<https://us02web.zoom.us/j/8787557849>

Advisor: Robin Reid  
Committee: Randy Boone,  
Jon Salerno, George Wittenmyer



## Muddy State Development in Ghana's Upper East Region

ONE VILLAGE, ONE DAM, & ITS EFFECTS ON SMALLHOLDER FARMERS IN A STUDY COMMUNITY

**Patrick Ryan**

MS Defense

11:00 AM, May 10, 2023

Virtual Only

<https://us02web.zoom.us/j/8429056402>

Advisor

Dr. Heidi Hausermann

Committee

Dr. Steve Leisz, Dr. Steve Fonte,

Dr. Hanson Nyantakyi-Frimpong



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ANTHROPOLOGY  
COLORADO STATE UNIVERSITY

## MS Defense Seminar

**Patrick Ryan**

*Muddy State Development in Ghana's Upper East Region*

May 10, 2023  
11:00 am MT  
Virtual Only  
Zoom [Link](#)

## ECOLOGY & CSU EVENTS



BIOLOGY  
COLORADO STATE UNIVERSITY

MICROBIAL RESPONSES IN A CHANGING WORLD

Tuesday, May 2nd  
4:00 PM - 5:00 PM  
Biology 136



Speaker:  
Dr. Stephanie Kivlin  
Assistant Professor  
University of Tennessee, Knoxville



Host:  
Alex Siggers



### Department of Biology Seminar: Microbial Responses in a Changing World

Join the Department of Biology on **May 2nd** for a seminar presentation with Stephanie Kivlin from the University of Tennessee, Knoxville! She will be presenting on "*Microbial Responses in a Changing World*" at 4pm in Biology 136. Please see the attached flyer for more details and feel free to scan the QR code or follow the link [here](#) for more information on Biology seminars.

Snack and drinks will be provided.

### Responsible Conduct of Research Training Series

CSU promotes outstanding research and scholarly activity performed in a manner that models ethical

professional behavior. The university has a number of course listings that focus on Responsible Conduct of Research (RCR) and meet federal standards for providing trainees with formal ethics training. All trainees engaged in research and scholarly inquiry at the undergraduate, graduate or postdoctoral level will be required to take RCR training during their time at CSU. By attending 8 workshops, you may earn a certificate and waive the course requirement. The next workshop will be held on **May 10** at 3PM in Nutrien 163.

More information can be found [here](#).



COLORADO STATE UNIVERSITY  
Contact us at  
vpr\_rcr\_training@mail.colostate.edu

Responsible Conduct of Research Training Series

In line with the principles of responsible and ethical conduct of research, and existing and emerging federal requirements, the CSU Research Integrity Office is providing 1-hour RCR discussions each month. Researchers can earn an RCR certificate after attending 8 sessions.

**WORKSHOP INFORMATION**

- February 22, 3:00 pm
  - Speaker: Rich Wright
  - Topic: Secure and Global Research
  - Location: Stadium 1207
- March 22, 3:00 pm
  - Speakers: Anthony Appleton and Kimberly Cox-York
  - Topic: Safe Research Spaces
  - Location: Stadium 1204
- April 19, 3:00 pm
  - Speakers: Chris Myric and Il Nelson
  - Topic: Animal Research at CSU
  - Location: Animal Sciences 131
- May 10, 3:00 pm
  - Speaker: Kimberly Cox-York
  - Topic: Mentoring and the Individual Development Plan
  - Location: Nutrien 163



### **Pathways 2023: Human Dimensions of Wildlife Conference and Training**

Pathways is an international conference and training program designed to address the myriad issues that arise as people and wildlife struggle to coexist in a sustainable manner. Our team believes that through increasing the professionalism and effectiveness of the Human Dimensions of Wildlife field, we can contribute to the success of the global conservation effort as a whole. The conference will be held **May 31 - June 3** at CSU. [Register here](#).

## **PROFESSIONAL DEVELOPMENT OPPORTUNITIES**

### **GTA's Best Practices in Teaching at CSU: Inclusive Pedagogy**

This three-week (May 22-June 11), mostly asynchronous course takes place in Canvas. Participants can expect to spend 4-5 hours per week completing assignments, discussions and readings. Engage in self-reflection to consider your own lived experiences and how you use those as a lens to make decisions regarding all aspects of your teaching: your class climate, your instructional practices, and what you inherently believe about your students. In this course, you will consider your students' diverse strengths and how to leverage those to develop an inclusive classroom. You will review your current curriculum and look for opportunities to incorporate inclusive practices that heighten students' sense of belonging which, ultimately, contributes to their level of success. Register [here](#).

**This course will be facilitated by GDPE Student and Sci Comm Fellow Josie Otto.**

## **Fall 2023 Courses**

**CONSERVATION  
MARKETING**  
**JTC 792E (CRN 75203)**

The Department of Journalism and Media Communication is offering a graduate course this fall on communication and behavior change theory and concepts to encourage individuals and communities to adopt conservation behaviors.

Dr. Katie Abrams Tuesdays  
3:00 - 5:50 PM

### **JTC 792E Conservation Marketing**

Study an emerging field of research and practice with roots in the well-established social marketing framework. This course will cover the social marketing framework in-depth as it applies to helping people to engage in conservation behavior with a special focus on the role of strategic communication. Course will include practical and academic applications of conservation marketing. Students benefit from having any foundation in quantitative social science research methods (e.g., surveys, experiments) or basic statistics before taking this class, though it is not required. Unique potential opportunity this fall: The class or select students may collaborate with nene.org to research and develop conservation marketing approaches to help protect nēnē in Hawai'i. Sample syllabus: <https://col.st/CMj0p>.

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**ECOSYSTEM  
ECOLOGY**  
ECOL 610 (CRN 69027)

Dr. Joe von Fischer Tuesday/Thursday  
9:30 - 10:45

### **ECOL 610 Ecosystem Ecology**

Concepts, methods, issues in ecosystem science: energy and matter cycling; systems perspectives, simulation modeling, sustainability, global change.

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### **BZ 560 Teaching and Communicating Science**

Nature of science, scientific reasoning, scientific argumentation, communication theories, and instructional strategies are explored. Develop science argumentation and communication skills in undergraduate courses and in informal settings. Create materials for a professional portfolio.



### **ECOL 592 Urban Ecology - Registration opening soon!**

In this course, students will learn the history of urban ecology and how it has become the discipline it is today, build an understanding of urban ecosystems, consider human perceptions and interactions with urban ecosystems, identify management challenges within these systems, visit local green spaces that are managed by the City of Fort Collins Natural Areas Department, and discuss current literature on research conducted in an urban ecology setting.

Students will be evaluated on their participation in discussion and engagement with the material. There will be no assignments. However, the instructors will evaluate student performance based on participation in discussions and engagement with guest lecturers.

## **Let us know about your recent publications!**

We are trying to highlight the great and diverse science that our faculty and students are doing. If you have recently published an article, please fill out the form linked below and our SciCom Fellow, [Josie Otto](#), will add you to our new Recent Publications section above. We can also feature your work on our website!

*Please note that inclusion of events and publications in the Digest is not an endorsement by GDPE*

[Share your Recent Publication or Research Highlight](#)

**We want your feedback!** Do you have comments or suggestions about how your GDPE experience can improve? Let us know! Contact your ExCom Student Representatives, [Mel Morado](#) and [Erin Weingarten](#) to provide your feedback.

**Stay in touch by tagging GDPE** in your posts and photos on Twitter (@CSU\_Ecology) and Instagram (@CSU\_GDPE). Use hashtags #GDPE and #CSU\_Ecology. We'd be happy to help highlight your research!

**GDPE Social Listserv** - Please make sure to sign up [here](#) for the GDPE Social Listserv to keep up with all the fun events we have planned this year!

**GDPE Slack Channel** - Join our GPDE Slack channel [here](#).

Submit Photos

We want your photos! What are you up to, how is your field and lab work? Share them with us here.

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## GRANTS, FELLOWSHIPS, & JOBS

### US Fish and Wildlife Service Geneticist

#### **Applications due May 3**

The [Southwestern Native Aquatic Resources and Recovery Center](#) (Center) in Dexter, New Mexico is recruiting dynamic and highly motivated individuals to fill three Geneticist positions.

As a Geneticist, duties will include but are not limited to the following:

- Use DNA markers and automated DNA analyzers/sequencers to collect genotypic, gene frequency, and DNA sequence data on hatchery and wild population of fishes.
- Provide oral presentations at workshops, symposia, and other scientific meetings.
- Collate information from multiple sources to effectively manage technical coordination of information across multiple applied research studies.
- Perform population genetics statistical analyses.
- Provide overall technical coordination of complex molecular genetics analyses for a variety of projects.

Announcement number: R2-23-11920165-MP-LL

<https://www.usajobs.gov/GetJob/ViewDetails/720380000>

Announcement number: R2-23-11920163-LL-DE

<https://www.usajobs.gov/GetJob/ViewDetails/720379600>

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### California Department of Fish and Wildlife Quantitative Ecologist

#### **Applications due May 8**

The position works with other four other scientists, who all report to a Senior Environmental Scientist Supervisor, in the Big Game Unit of the Wildlife Branch. The Unit is responsible for statewide conservation and management of deer, elk, bear, pronghorn, and bighorn sheep. The position serves as a quantitative ecologist leading, and advising, on statistical design, data analysis and scientific inference for large, complex research projects supporting conservation and management of these and other species. The position blends the skills of a biostatistician expert in the latest hierarchical modeling approaches (e.g., spatial capture recapture, integrated population models) and a wildlife ecologist who understands the latest wildlife survey methods (e.g., non-invasive genetic sampling, aerial counts, camera traps, GPS telemetry).

Applicants first need to take an online exam to qualify for the Research Scientist III classification. Learn more [here](#).

## **Student contractor, invertebrate technician for USGS**

### **Applications due May 15**

This position is to work full-time with a team of ecologists and hydrologists in the Studies Section of the USGS's Wyoming-Montana Water Science Center in Helena, MT. The focus of our work is on the effects of contaminants on aquatic and riparian organisms through field, laboratory, and mesocosm studies. Specific projects will include assessing the effect of legacy mine waste and active mining on the Clark Fork River Basin including investigations of metals accumulation into aquatic invertebrates and impacts to riparian birds through aquatic-terrestrial exchanges of prey, the effects of selenium moving through aquatic and aquatic-dependent food webs of Lake Kooconusa and the Kootenai River Basin, and the design and execution of mesocosm experiments to better understand the effects of contaminants on benthic communities in the absence of confounding factors. Project activities will involve enumeration and identification of aquatic insects, laboratory processing of insect samples for stable isotope and metal chemical analyses, maintaining and executing experiments in a mesocosm facility, and field work in mountain lakes and streams in remote areas of Montana and Wyoming. The position will report to one primary supervisor (Ashley Bussell) and the project leader (Travis Schmidt). The incumbent must have been enrolled at a University within the past twelve months. The position is funded for 2 full years.

To apply, send a cover letter, resume, and unofficial transcripts to Ashley ([abussell@usgs.gov](mailto:abussell@usgs.gov)) and Travis ([tschmidt@usgs.gov](mailto:tschmidt@usgs.gov)).

Submit a Job Announcement



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CSU Graduate Degree Program in Ecology | Colorado State University, Johnson Hall rm 102,  
Fort Collins, CO 80523-1021

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