



April 24, 2023

Dear GDPE Community,

I was thinking about the term “teamwork” this week.

It truly does take a team to create success in whatever field you work in. Your team may be your committee members, your mentors, your classmates, your GDPE staff. One thing to remind yourselves is that you have support. Teams help celebrate, assist and encourage each other. I like to remember that we are all part of GDPE and are here for each other.

On that note, please come support your teammates for their upcoming student defenses. See the details below.

Also come celebrate with us at our Spring Picnic on Wednesday, May 3 from 4-7 pm at Intersect Brewing. Nothing makes a great team than a great Bake-Off, also. So bring your best game!

I hope to see you all soon.

Go GDPE!

Dawn, your GDPE “teams” Program Coordinator



GDPE EVENTS & ANNOUNCEMENTS

WE'RE LOOKING FOR FALL 2023 GRADUATE TA'S!

- LIFE 102/103: Attributes of Living Systems
- ECOL 505: Foundation of Ecology
- ECOL 610: Ecosystem Ecology

Submit your application and materials online by Friday, April 28th

An illustration of a professor standing and pointing at a whiteboard labeled "Lesson 1", with a student sitting at a desk in front of it.

GDPE Fall 2023 Teaching Assistantships and Fellowships

GDPE is accepting application materials from graduate students to serve as a TA for Fall 2023.

Current openings include LIFE 102/103, ECOL 505, and ECOL 610. Scan the QR code or visit our website [here](#) to view the requirements and submit your materials by this **Friday, April 28th**.



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 Spring Picnic

Join us for an end of the semester gathering at **Intersect Brewing on 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](#)



Student Defenses

Characterizing host plant-virus-vector interactions of the potato virus y and aphid pathosystem

William Jacob Pitt
Nachappa Lab
Graduate Degree Program in Ecology (GDPE)
Department of Agricultural Biology

Doctoral Committee:
Dr. Punya Nachappa (Advisor)
Dr. Amy Charkowski
Dr. Frank Peairs
Dr. Ian MacRae
Dr. Melinda Smith

PhD Defense Seminar
April 25th, 2023 10:00am
Plant Science Room E008

PhD Defense Seminar

Jacob Pitt
Characterizing host plant-virus-vector interactions of the potato virus y and aphid pathosystem

April 25, 2023
10:00 am MT
Plant Sciences Room E008
Zoom [Link](#)

MS Defense Seminar


Anna Wright

Novel water-use strategies of five Colorado wetland plants: Implications for wetland water loss

April 27, 2023
1:30 pm MT
MSNR 345
Zoom [Link](#)

NOVEL WATER-USE STRATEGIES OF FIVE COLORADO WETLAND PLANTS: IMPLICATIONS FOR WETLAND WATER LOSS

Anna Wright
MS Defense

1:30 PM  APRIL 27, 2023  MSNR 345

Troy Ocheltree, advisor & Jeremy Sueltenfuss, co-advisor
Joe von Fischer, committee

<https://us06web.zoom.us/j/99155678207>



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 5th, 2023, 10:00 AM
MSNR 345



FOREST AND RANGELAND STEWARDSHIP
COLORADO STATE UNIVERSITY



GRADUATE DEGREE PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY

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 Foote,
Dr. Hanson Nyantakyi-Frimpong



GRADUATE DEGREE PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY



ANTHROPOLOGY
GEOGRAPHY



MS Defense Seminar

Patrick Ryan

Muddy State Development in Ghana's Upper East Region

May 10, 2023
11:00 am MT
Virtual Only

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

DEADLINES

GSC Professional Development & Supply Grant due 4/28

Graduate Student Council (GSC), The Graduate School, and the Associated Students of Colorado State University (ASCSU) are excited to sponsor Professional Development & Supply grants open to all graduate and professional students for use prior to June 30, 2023.

Awards are provided at two tiers

- Tier 1: 6 grants of \$250 (per grant cycle)
- Tier 2: 10 grants of \$100 (per grant cycle)

Graduate Student Experience Survey due 4/30

The Graduate School created this survey to prioritize initiatives focused on helping current and future students flourish. Specifically, the survey data will be used to assess and improve the quality of the mentoring graduate students receive at CSU, to inform professional development offerings, and to improve support for all students, including students with marginalized identities.

A personalized link to the survey was sent to your official CSU email address and is available in RAMweb. This survey is confidential and will take approximately 20 minutes to complete.

ECOLOGY & CSU EVENTS

Components of a Strong Application for NSF's Graduate Research Fellowship Program

The NSF Graduate Research Fellowship Program (GRFP) provides fellowships to graduate students in STEM fields. Fellows receive three years of a \$37,000 stipend, as well as opportunities to do research abroad or intern for a government agency.

The Graduate School will be holding an event for prospective GRFP Fall 2023 applicants. There will be a virtual info session about the program and how to apply with current fellows on **Tuesday, April 25** from 11:30am-12:30 p.m. MT. The session will be recorded, so [please register here](#) even if you cannot attend to receive a link to the recording. Please [submit any questions you have before the event here](#) and they will be answered during the session, or directly via email if requested.



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](#).



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 Nelsson
 - 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

Belonging in Field Education Webinar

Geoscience field courses that explicitly recruit students from underserved identities have a critical responsibility to create inclusive communities in which to learn and connect. In this talk, Dr. Anita Marshall and Yesenia Arroyo will share approaches to building inclusive communities with examples from GeoSPACE, an inclusive field course for students with disabilities and other marginalized identities. The hybrid and accessible format of the field course provides a unique setting in which to explore how students who are traditionally excluded from field experiences build community and a sense of belonging, and what instructors can do to encourage those connections. The next Belonging in Field Education discussion will be held on **April 26** at 1PM MST.

RSVP for the talk by [clicking this link.](#)

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>.



**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.



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.

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.

GRANTS, FELLOWSHIPS, & JOBS

CSU Tropical Ecology and Evolution Instructor for Spring 2024

Applications due April 30

The Department of Biology is looking for a graduate student to teach BZ349 Tropical Ecology and Evolution during the Spring 2024 semester. The course is a broad introduction to terrestrial, freshwater, and marine tropical biodiversity and the ecological and evolutionary processes that generate and maintain this diversity. The course is lecture format on Tuesdays and Thursdays, typically from 2-3:15, but this schedule could potentially be adjusted to fit the instructor's schedule. The salary for teaching the course is \$11,009 plus tuition.

Desired qualifications:

- Previous experience as a Graduate Teaching Assistant or instructor
- Some experience teaching or conducting research in the tropics
- Interest in gaining additional teaching experience

To apply, please send the following to Chris Funk (Chris.Funk@colostate.edu) by April 30, 2023:

- CV
- One page cover letter that explains: (1) why you're interested in teaching the course; (2) a summary of your teaching experience; (3) a summary of research experience, particularly if any of it is in the tropics or subtropics.

Once applications are received, they will be reviewed and short informal interviews will then be scheduled with the top candidates.

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>

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 Koocanusa 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) and

Submit a Job Announcement



GRADUATE DEGREE
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COLORADO STATE UNIVERSITY



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

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