



January 29, 2024

Hello GDPE Community,

It's here! The Front Range Student Ecology Symposium (FRSES) happens this week. As the FRSES webpage states - FRSES is a "student-run symposium that provides an opportunity for Front Range students doing research in ecology to showcase their work and network in a supportive peer environment".

This description fits nicely with the purpose of annual scientific meetings in general – "as one of the primary venues for scientists to present their new work to their colleagues with the purpose of receiving feedback..." (thanks Google).

I hope you all can attend FRSES this year. And as you enjoy the awesome talks with beautiful pictures and informative graphics, keep this in mind. If FRSES had existed in the 17th century, speakers would be standing still at a podium, monotonously reading directly from the text of their paper - one that would later be published as part of the proceedings of the conference.

Efficient? Yes. Enjoyable? Probably not.

Have a great week.

Alan Knapp
Your GDPE Senior Ecologist



GDPE Event Calendar

DEADLINES

GDPE Deadlines

February 1 - The Annual Student Progress Report is due this week - see details [here](#).

February 13 - GDPE Small Research Grant Proposals [due](#)

February 27 - GDPE Travel & Professional Development Grants [due](#)

March 22 - GDPE Student Awards [due](#)

Other Deadlines

February 8 - Deadline to Apply to Graduate for SPRING 2024 GRADUATES. Access the form on [RAMweb](#).

March 15 - Sigma Xi [Grains in Aid of Research](#)

Find all of the deadline details on the CSU Graduate School's website [here](#).
Find all of the registration details on the CSU Registrar's website [here](#).

FRONT RANGE STUDENT ECOLOGY SYMPOSIUM

Register now

for the 30th anniversary

**Front Range
Student Ecology
Symposium**

February 1st - 2nd, 2024
Colorado State University

CONNECT WITH US

✉ GDPE_FRSE@colostate.edu

🌐 FRSES.org



Front Range Student Ecology Symposium - 30th Anniversary

FRSES is here! Come celebrate the 30th anniversary of the Front Range Student Ecology Symposium on **February 1st-2nd** at Lory Student Center. Showcase your work and network in a friendly and supportive peer environment.

Click [here](#) to register for the event, or check out the [official schedule](#) of workshops and sessions.



FRSES 2024
WORKSHOPS & PANELS



Thursday, February 1

1:00 - 2:00 P.M.

A Facilitated Discussion on Careers in Ecology

2:00 - 3:00 P.M.

Demystifying the Oral and Written Exam

2:00 - 3:30 P.M.

Bridging the Gap Between Science and the Media

Ecology is Non-Binary:
Queering current norms and norming diversity

Your Science in Ten Hundred Words: Building Trust Through Science Communication

3:00 - 4:00 P.M.

Panning for Nuggets of Science Gold:
Reframing Ecological Science Communication



Dr. Olivia Carril

Closing plenary

February 2, 3:00 - 4:00 p.m.
LSC Ballroom B - D

Dr. Carril is a middle-school science teacher and native bee researcher from Santa Fe,

New Mexico. She is the author of three books on wild bees in North America: *The Bees in Your Backyard*, and *The Common Bees of Eastern and Western North America*.



Dr. Chrissy Alba

Opening plenary

February 1, 4:15 - 5:15 p.m.
LSC Ballroom B - D

Dr. Alba is an associate research scientist at Denver Botanic Gardens. She studies the ecological processes that shape plant diversity and distributions across various scales of organization--from individual plants, to populations, to entire communities. Her opening plenary is titled "What's your impact factor? A roadmap to cultivating your professional niche."

GDPE EVENTS & ANNOUNCEMENTS

GDPE Research, Travel, and Training Grants

Have you applied for a GDPE grant yet? These grants are open to all GDPE students and help support a variety of needs. Earn up to \$2000 toward graduate research projects and up to \$750 for professional development and travel opportunities. The deadline for the research grant is Feb. 13, and the deadline for the travel and training grant is Feb. 27. Learn more [here](#).

GDPE Workshop:

Communicating Scientific Uncertainty

Join us for our first GDPE science

communication workshop of the semester! As scientists, we have a huge role to play in determining how the public interprets and understands our research. In this interactive workshop, you will learn how to navigate the tricky task of communicating uncertainty to different audiences. The workshop will be held on Monday, **February 19th, from 1-3pm in WCNR 345** and facilitated by Dr. Nicole Kelp, Assistant Professor of Microbiology, Immunology, and Pathology at CSU.




GRADUATE DEGREE PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY

COMMUNICATING SCIENTIFIC UNCERTAINTY

WITH DR. NICOLE KELP

February 19th, 2024
1:00-3:00 p.m.
WCNR 345



NAOMI PIERCE
Harvard University
Professor
Department of Organismic and Evolutionary Biology

"On wings and wavelengths, and how an analysis of butterfly scales can lead to climate change solutions"

28 Feb 2024 4:00pm LSC University Ballroom

Coffee and Cookies at 3:30pm
Reception at 5:00pm

Distinguished Ecologist Seminar

Please join GDPE in welcoming our **Visiting Distinguished Ecologist**, Dr. Naomi Pierce for her talk *"On wings and wavelengths, and how an analysis of butterfly scales can lead to climate change solutions"*. The seminar will be held **Wednesday, February 28th** at 4:00pm in the LSC University Ballroom. Refreshments will be served from 3:30-4:00pm. There will be a reception directly following the seminar at 5:00pm. We hope to see you all there!

NON-ECOLOGY CSU EVENTS

SOGES: Perspectives on COP28

CSU faculty and student directors who participated in the United Nations Framework Convention on Climate Change in Dubai, the United Arab Emirates (COP28), will talk about their experiences at the conference, outcomes from COP28, and why there is reason for optimism around climate change solutions and the future.

February 7th from 5:00-6:30 p.m. at Avogadro's Number. More details [here](#).



PERSPECTIVES ON COP28 UAE

CLIMATE CHANGE AND THE FUTURE

SCHOOL OF GLOBAL ENVIRONMENTAL SUSTAINABILITY
COLORADO STATE UNIVERSITY

"GSBI Speaks!" February Webinar

"Threats to mycorrhizae"

February 7th 2024, 4:00 HST, 7:00 MST, 9:00 EST, 11:00 GMT-3, 14:00 GMT, 15:00 CET, 16:00 MSK



GSBI Webinar: "Threats to mycorrhizae"

Soil mycorrhizae occur globally and are an important component of soil biodiversity. As soils and soil biodiversity in general face threats, it will be critical to evaluate and understand how mycorrhizae are impacted by these threats. Join the [Global Soil Biodiversity Initiative \(GSBI\)](#) in this webinar with leading experts on mycorrhizae to learn more about how these threats impact mycorrhizae and potential solutions.

The webinar will be held February 7th at 7:00 a.m. Register [here](#).

Front Range Microbiome Symposium - call for abstracts!

The 2024 Front Range Microbiome Symposium will be held at the Alumni Center in the Canvas Stadium at Colorado State University on April 18-19, 2024. Registration is open now, and student registration is only \$20. For full consideration, including for oral presentations, **abstracts must be submitted by this Friday, February 2, 2024**. Registration will remain open for attendance and abstract submission for poster presentations until we reach capacity.

This year's keynote speaker is Dr. Serita Frey from the University of New Hampshire, and the invited speakers include Dr. Mohit Verma from Purdue, Dr. Boahemaa Adu-Oppong from Pluton Biosciences, and Dr. Matt Olm from the University of Colorado at Boulder. More information [here](#).



**FRONT RANGE
MICROBIOME SYMPOSIUM**
2024

April 18th-19th, 2024
Colorado State University Alumni Center
Abstract and Registration opens January 16th, 2024
frontrangemicrobiomesymposium.com

KEYNOTE SPEAKER
Dr. Serita Frey
Univ. of New Hampshire

Dr. Mohit Verma
Purdue University

Dr. Boahemaa Adu-Oppong
Pluton Biosciences

Dr. Matt Olm
Univ. Colorado-Boulder

MICROBIOME NETWORK
COLORADO STATE UNIVERSITY

VICE PRESIDENT FOR RESEARCH
COLORADO STATE UNIVERSITY



BEST PRACTICES IN Teaching

Jan. 8 - Jan. 28
First Four Weeks
Student Motivation

Jan. 29 - Feb. 18
Classroom Climate
Learning Outcomes & Course Alignment

Feb. 19 - Mar. 10
Accessible & Inclusive Electronic Content
Planning an Effective Class Session

TEACHING EFFECTIVENESS FRAMEWORK

THE QUALITY OF LEARNING AND TEACHING

Best Practices in Teaching - Graduate Students

Some of the most popular programs we offer, our [Best Practices in Teaching \(BPiT\) courses](#), are starting soon!

These three-week courses are designed to enrich your teaching skills while operating asynchronously in Canvas, with most of the work happening on your own schedule. During these courses, you'll have the opportunity to explore, apply, and discuss

research-based teaching approaches based on the [Teaching Effectiveness Framework](#). Plan to dedicate 4-5 hours per week to assignments, discussions, readings, and meaningful interactions with fellow educators across campus. To see what other workshops are offered this semester, [click here](#).

Inclusive STEM Teaching Project

The Inclusive STEM Teaching program is designed to advance the awareness, self-efficacy, and ability of STEM faculty, postdocs, graduate students, and staff to cultivate inclusive

learning environments for all their students and to develop themselves as reflective, inclusive practitioners.

NOTE: Please register with [Edx](#) and select CSU as a local community.

Share your Recent Publication or Research Highlight

SPRING 2024 COURSES

It's not too late to sign up for spring courses! Below are lists of courses available for this semester, along with the times they're being offered, and how they fit into [the curriculum](#). To find out who is teaching them, you can refer to the CSU [Class Schedule](#). Detailed descriptions of ECOL 592s are [on the website](#). **Registration closes on January 31st.**

Newly added!

ECOL 592-006: Academia for Ecologists

Thinking about an academic career path but not sure what that would actually entail? In this discussion-based seminar course, we will explore every non-science aspect of an academic's professional life. We will learn about the university systems that we all live within, how it operates, who is involved, and how it came to be. We will learn about the economics of being an academic, whether it is about running one's own lab, managing grants, or negotiating salaries. This class will serve as an avenue for early career academics to critically evaluate the industry they are about to enter and ponder a better future within it.

BSPM 528 - Invasive Plants and Weeds: Ecosystems to Molecules taught Spring 2024

Do you want to learn more about biological invasions and invasive plants? If so, check out BSPM 528 - Invasive Plants and Weeds: Ecosystems to Molecules taught by Dr. Cini Brown spring 2024 (Tuesday, Thursday 9:30 – 10:45 AM, 103 Eddy Hall, CRN 22820). The course explores leading theories of biological invasions; examines evidence about weeds and invasive plants including global and landscape patterns, effects on ecosystems, interactions with other plant species in communities, population processes, ecophysiology of individual species, genetic and biochemical characteristics; and considers the history of invasion biology and weed science. Contact Dr. Brown at cynthia.s.brown@colostate.edu with questions.

JOBS, GRANTS, INTERNSHIPS

Postdoctoral Associates Position at the Yale School of the Environment

Are you interested in exploring the capacity of natural ecosystems to capture and sequester carbon? Join the [Malone Disturbance Ecology Lab](#) at the [Yale School of the Environment](#), to utilize data from the [National Ecological Observatory Network](#) (NEON) and the [AmeriFlux network](#) to evaluate patterns in carbon dynamics across natural ecosystems. The associate will design and execute workflows to spatialize CO₂ and CH₄ fluxes and concentrations for more than 100 sites from the NEON and AmeriFlux. The Associate will conduct cutting-edge research over 2 to 3 years (evaluated annually for reappointment); have access to core facilities at the Yale School of the Environment, reside locally and have a regular workspace on campus; primarily focus on research; and receive career mentorship. Click [here](#) to learn more and apply.

Postdoc Position - Lamont-Doherty Earth Observatory of Columbia University

The [Lamont-Doherty Earth Observatory of Columbia University](#) in Palisades, New York invites applications for a Postdoctoral Research Scientist position to conduct collaborative research under the mentorship of Lamont-Doherty researchers with expertise in climate dynamics, climate modeling, and geochemical proxy reconstructions. The NSF-sponsored research will focus on understanding how orbital insolation changes influenced the climate of the Mediterranean, as reflected in paleoclimate archives and global climate model simulation, and on the implications of past mechanisms for understanding and sharpening climate projections for the region. Click [here](#) to learn more and apply.

Denver Audubon Lois Webster Fund Grants

Deadline January 31, 2024

Denver Audubon's Lois Webster Fund (LWF) is now soliciting grant requests in support of Colorado non-game wildlife research, education, and conservation projects. A maximum of \$15,000 in funding is available in the coming project year. Grantees will be notified by early March 2024 and the funds dispersed in time for the spring field season. Click [here to learn more.](#)

Graduate Student Funding Available through Rocky Mountain National Park

Deadline February 1, 2024

Graduate student researchers make important contributions to resource science in Rocky Mountain National Park (RMNP). Because of this, RMNP and Rocky Mountain Conservancy are proud to support the next generation of park scientists and stewards through the Bailey Research Fellowship! The Bailey Research Fellowship provides opportunities for highly qualified graduate students to conduct research in the park. Proposed projects should aim to promote the adaptive management of RMNP and/or the education and professional development of park staff. Click [here](#) to learn more.

Science Communication (Digital Media) Assistant

Deadline February 5, 2024

The Latino Heritage Internship Program (LHIP) seeks to engage Latino undergraduates and recent graduates ages 18 - 30, and up to 35 for veterans, for this unmatched leadership training program that is focused in the cultural and natural resource management.

The Science Communication Intern will contribute to the Continental Divide Research Learning Center's (CDRLC) Science Communication Program - a park-wide resource for Rocky Mountain National Park (RMNP) that utilizes a variety of digital media to facilitate science communication and outreach for internal audiences (park staff) and external audiences (the public). This project is structured to provide the Science Communication intern with the opportunity to lead, design, and develop their own robust science communication product, while exploring other research topics, and communication mediums utilized by the Science Communication Program. Click [here](#) to learn more.

Wildlands Restoration is hiring!

Deadlines vary

Wildlands Restoration Volunteers, a local non-profit, is hiring several positions including one permanent project manager. For more details, please contact Nate Boschmann at nate@wlrw.org. Click [here](#) to learn more.

Submit a Job Announcement

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 Student Teams Channel - Join our Teams Channel [here](#) for all GDPE-related questions, ideas, and discussions with fellow students.

Submit Photos

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



GRADUATE DEGREE
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CSU Graduate Degree Program in Ecology | Colorado State University, Johnson Hall rm 102,
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