



February 12, 2024

Hi all,

When you need to get GDPE things done, here's who to go to:
For curriculum, grants and travel awards as well as SLATE issues please contact [Jennifer Neuwald](#), if you have exciting items to share, please contact Science Communications fellow [Lizzy Rylance](#), for question about reimbursements and travel, please contact our new Program Support Specialist (25% time in GDPE) [Mitskie Kumagai](#), for our Distinguished Ecologist seminars, any and all of the above, feel free to [reach out to me!](#) [Alan Knapp](#), our Senior Ecologist is also a reference for all things science and our broader ecological community. Dawn is on leave, so please don't email her, and please be patient as we steer the great boat that is GDPE while we're short staffed. If you have sent an email or submitted a form and haven't heard back, please bump it up so we can help address the issue. Thank you!

In other news - it's time to finish up those GDPE grant proposals! They're due tomorrow!

Hope you all have a lovely week!

Best,
Ruth



GDPE Event Calendar

DEADLINES

GDPE Deadlines

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

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

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

Other Deadlines

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](#).

GDPE EVENTS & ANNOUNCEMENTS

GDPE Social: Valentine's Day Pizza & Candy



Grams at Ramskeller

The GDPE Social Committee is hosting a lunch at Ramskeller! Join your fellow GDPE students this Valentine's Day for FREE pizza at the Ramskeller for lunch. There will be valentines card card-making supplies and small candies to really get into the spirit – come make a candy gram for a friend, professor, family member, partner, etc.!

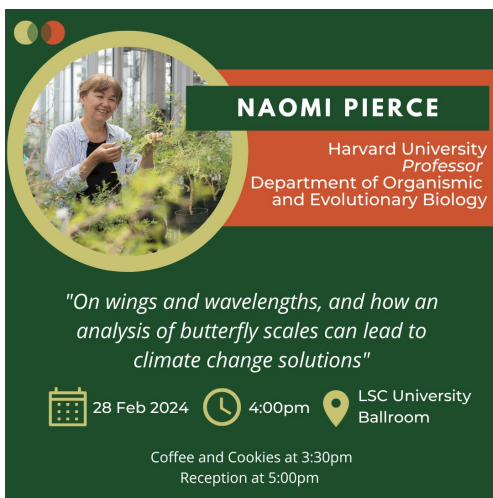
Details: **February 14th from 12:00 - 1:00 PM** at CSU Ramskeller (LSC) – on the 100 level of the Lory Student Center

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.



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!

STUDENT DEFENSES

M.S. Defense Seminar

Carina Donne

Evaluating *Bouteloua Gracilis* Cultivars' Performance After Drought; The Role of the Soil Microbiome

February 15, 2024
11:00 a.m. MST
NR 345

BIOLOGY
COLORADO STATE UNIVERSITY
PLEASE JOIN US FOR THIS SPECIAL EVENT

MASTER'S THESIS DEFENSE

EVALUATING BOUTELOUA GRACILIS CULTIVARS' PERFORMANCE AFTER DROUGHT; THE ROLE OF THE SOIL MICROBIOME

CARINA DONNE
Advisor: Melinda Smith

FEBRUARY
THURSDAY 15 11:00 AM
NR345

Scan the QR code to join online!
Meeting ID: 290 875 706 866
Passcode: 88Vjxk

NON-ECOLOGY CSU EVENTS

CSU Climate Initiative -- Talks on Climate Justice & Design

Join the CSU Climate Initiative for monthly climate talks and networking sessions starting on February 14, 2024 from 3-5pm at Avogadro's Number.

Colorado State University's Climate Initiative presents talks on

Climate Justice & Design

CLIMATE INITIATIVE
COLORADO STATE UNIVERSITY

WEDNESDAY, FEBRUARY 14, 2024 3 - 5 pm at Avogadro's Number
605 S Mason St., Fort Collins

CLIMATE JUSTICE, CONSERVATION, AND INDIGENOUS RIGHTS
Joel Correia
Human Dimensions of Natural Resources

CLIMATE ACTION AND RESILIENCE IN DESIGN
Lindsay Burnette
Horticulture & Landscape Architecture

THE APPLICATION OF NATIVE SCIENCE TO CLIMATE RESPONSES
Lizzy Osterhoudt
Department of Biology

JOIN US FOR SHORT TALKS & A HAPPY HOUR TO CONNECT CLIMATE CHANGE RESEARCHERS ACROSS CAMPUS!

CCI Presentation & Happy Hour Series.
Join us in March for the next event!
Contact: climate_initiative@colostate.edu

Tuesday, February 27 | 4-5 PM
Special Guest Lecture
Lory Student Center, Ballroom A



EDUARDO S. BRONDIIZIO
University Distinguished Professor, Dept. of Anthropology, Indiana University
Member, National Academies of Science
2023 Volvo Environmental Prize Laureate

Eduardo Brondizio : The place of place-based actions for sustainability in Amazonia

February 27 from 4:00 - 5:00 p.m.
LSC Ballroom A

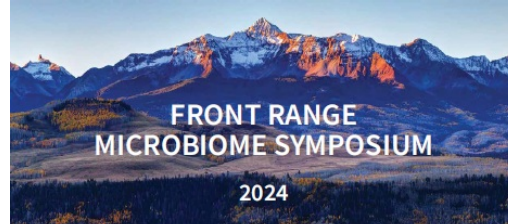
This presentation provides an overview of recent and ongoing research on the emergence and experiences of place-based initiatives advancing social and environmental goals in the Brazilian Amazon. The presentation will provide a historical context to these initiatives and reflect on the extent to which place-based initiatives can be sustained and amplified in a conflictive and changing regional context. Brondizio will discuss the possible role of emergent alliances and partnership between community, public, and private sectors and their role in addressing common problems and to leverage new opportunities to promote just sustainability in Amazonia.

Front Range Microbiome Symposium

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. 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](#).



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

REGISTRATION OPEN FOR SPRING 2024 Dinner is served

INCLUSIVE STEM TEACHING PROJECT

MONDAYS STARTING MARCH 18 - APRIL 22, 2024

FROM 4:00- 6:00 PM
STATISTICS ROOM 8

- Introduction
- Module 1: DEI in Higher Education
- Module 2: Instructor Identity
- Module 3: Student Identity
- Module 4: Course Design
- Module 5: Classroom Climate

FACILITATED BY

Ashli Niekam, Assistant Teaching Professor, Chemistry
Adene Niesedog, Director of Inclusion, College of Natural Science
Carlos Olivo, Associate Teaching Professor, Chemistry
DeeDee Wright, Assistant Professor & Experiential Education, Biology
Paul Laybourn, Professor, Biochemistry and Molecular Biology
Rosa Loeza, Academic Success Coordinator, Psychology

REGISTER WITH [EDX](https://edx.csu.edu) AND SELECT CSU AS A LOCAL LEARNING COMMUNITY FOR YOUR REGISTRATION FORM.

REGISTER NOW

Questions? Contact Ashli.Niekam@colorado.edu
Primary Sponsors for STEM Teaching Project are the NSF, EHR, and DUE

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](https://edx.csu.edu) and select CSU as a local community.

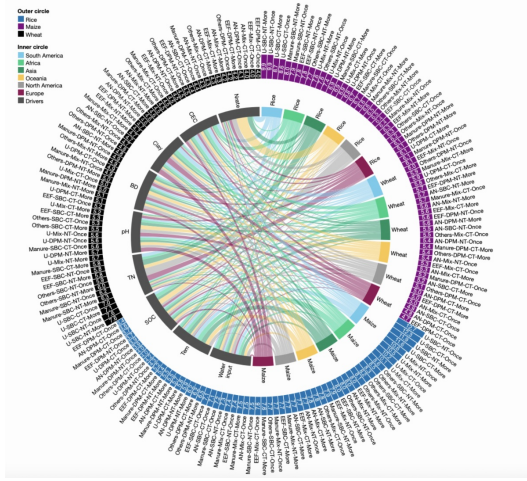


Fertilizer management for global ammonia emission reduction

Nature - January 2024

In this recently published Nature paper, GDPE member **Anping Chen** and a team of researchers used a machine-learning model to generate crop-specific and spatially explicit ammonia emission factors globally.

Read the full paper [here](#), and check out a related press release [here](#).



Share your Recent Publication or Research Highlight

JOBS, GRANTS, INTERNSHIPS

NASA SARP Graduate Mentor Summer Positions
 Develop your leadership skills this summer as a graduate mentor for the NASA Student Airborne Research Program! The program is looking for mentors with a strong background in scientific coding, atmospheric chemistry, atmospheric aerosols, or terrestrial ecology to work with undergraduate students. SARP is an 8-week long hands-on research program for undergraduates in earth science. Every summer 10 graduate mentors coach participants through their research projects, with the support of a faculty advisor. Mentors provide support in choosing a research question, designing an analysis, and presenting scientific work. For interest in the positions in atmospheric chemistry, atmospheric aerosols, or terrestrial ecology, contact Stephanie Olaya (stephanie.olaya@nasa.gov). For interest in the coding mentor positions, contact Rachel Wegener (wegener@baeri.org).
Applications due Feb. 20
 Application Links:
 Science Mentor [application](#), Coding Mentor [application](#)

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.

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
PROGRAM IN ECOLOGY
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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