



GRADUATE DEGREE
PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY

GDPE Weekly Digest

November 18th, 2019

UPCOMING GDPE EVENTS



Photo: Izzy Smith

Resident Distinguished Ecologist Dr.

Richard Knight

(find other up-coming DE speakers [here](#))

**For more ecology and other CSU events,
please see Ecology & CSU events
section.**

GDPE IN THE PRESS:

Congratulations, to Graduate Student Showcase award winners, **Clara Mosso** and **Sam Mosier!**

From your GDPE Admin Team

One of the most enjoyable aspects of being part of the GDPE Administration is being able to offer funding to our students! We are pleased to announce the award recipients for this year's funding cycle:

Research Awards: This fall, we received **eleven** proposals and were able to offer funding to **three**:

- **Sarah Carroll** (advisor: *Robin Reid, ESS*) for her proposal, "African Elephant and Livestock Co-occurrence in Pastoral Savanna Landscapes."
- **Rachel Kanaziz** (advisor: *Lise Aubry, FWCB*) for her proposal, "Maternal nutritional stress and philopatric behavior of daughters in golden mantled ground squirrels."
- **DeeDee Wright** (advisor: *Meena Balgopal, Biology*) for her proposal, "Middle School Science Teachers' Motivations to Implement Place-based Education Curricula about Local Wildlife as a Strategy to Increase Environmental Literacy."

We would also like to take this opportunity to thank our faculty and student grant reviewers for their time and commitment to providing thoughtful and critical feedback on the proposals.

Travel Awards: This fall, we received **fourteen** proposals and were able to offer funding to **six**:

- **Theresa Barosh** (advisor: *Paul Ode, BSPM*) who will be presenting her research on "Using gall-forming insects as biological control agents" the "Advocate Entomology!" meeting for the Entomological Society of America.
- **Maybellene Gamboa** (advisor: *Cameron Ghalambor*) who will be presenting her research on "Climate variation facilitates morphological, not physiological, divergence in song sparrows" at the Society for Integrative and Comparative Biology meetings.
- **Courtland Kelly** (advisor: *Steve Fonte, SCS*) who will be presenting her research at the Annual Meeting of the Tri-Societies (ASA, CSSA, SSSA).
- **Emily Stuchiner** (advisor: *Joe von Fischer, Biology*) who will be presenting her research on "Isotope pool dilution reveals drivers of N₂O consumption in laboratory soil incubations" at the American Geophysical Union Fall Meeting.
- **Shelby McClelland** (advisor: *Meagan*)

Clara was recognized as a Top Scholar by the Office of International Programs.

Sam won an award from the Graduate School and CSU Libraries.

Schipanski, SCS and **Clara Mosso** (advisor: *Jason Sibold, Anthropology*) who were co-awarded funds to help support a local edition of COP25.

DEADLINES

GDPE Deadlines

none at this time

Graduate School Deadlines for Fall Graduates

Fri, Dec. 20 - all outstanding issues resolved (e.g. GS25B, GS52, etc.)

Find all of the deadline details on the CSU Graduate School's web site [here](#).

General Registration Deadlines

Find all of the registration deadline details on the CSU Registrar's web site [here](#).

Obtaining Signatures

Degree Deadlines

Student Forms

GDPE Grad Student Survey

All paperwork: Please drop all paperwork at the GDPE office (Johnson Hall 102), and Dawn will coordinate signatures and processing. Thanks!

We want your feedback! Do you have comments or suggestions about how your GDPE experience can improve? Let us know! Contact your ExComm Student Representatives, [Shelby McClelland](#) and [Erika Peirce](#) to provide your feedback.

Stay in touch by tagging GDPE in your posts and photos on Twitter - @CSU_Ecology and use hashtags #GDPE and #CSU_Ecology. We look forward to seeing you on Twitter throughout the semester!

Submitting Announcements

Student Success: Let us know if you've gotten a paper accepted, won an award, or received a grant by emailing our Science Communication Fellow, [Arianna Punzalan](#).

Information for Digest: Please submit details [here](#) for consideration. If you have questions about this, please contact our Program Coordinator, Dawn Koschnitzki.

GDPE



Photo: Izzy Smith

GDPE Course Information

◆ **ECOL693 (Research Seminar)** will only offer the oral section (001) for this coming Sp20 semester. The written section was offered this Fall.

◆ **ECOL592 (Interdisciplinary Seminars)**
New sections are in the process of being added! Please refer to our [website](#) to find the current offerings once they are available. Here are some topics that have been approved for spring 2020

◆ **"Socio-ecological approaches to human-carnivore coexistence"** (*Kevin Crooks, Stewart Breck, Courtney Schultz*)
Section 009, CRN, 18756

◆ **"Wildlife in Ecological Systems"** (*Julie Heinrichs, Adrian Monroe, David Edmunds*)
Section 008, CRN 18755

◆ **"Mechanistic and Predictive Models for Polygenic Traits"** (*John McKay*)
Section 010, CRN 18757

We are continuing to solicit proposals for Spring 2020 ECOL592 Interdisciplinary seminars. These seminars offer our students an in-depth look at ecological topics at the forefront of our discipline. **Please submit a proposal online [here](#).**

Upcoming Courses of Interest

◆ **AB511- Microbiome of Plant System**

Submit Photos



Photo: Izzy Smith

Dr. Pankaj Trivedi, MW 9:00 - 10:30 am

More info [here](#).

◆ NR510 - Ecosystem Services: Theory and Practice

Dr. Kelly Jones, M 2:00 - 4:45 pm

More info [here](#).

◆ SOCR670 - Terrestrial Ecosystem Isotope Ecology

M. Francesca Cotrufo, M W 11-11:50 am

Lab F 11-1:00 pm

More info [here](#)

◆ ANTH/ESS 650 - Edge Effects: Place, Embodiment, and Environments

Dr. David Bunn, F 1:00-3:45 pm

More info [here](#)

ECOLOGY & CSU EVENTS

Upcoming:

11/22: Graduate Student Council Volunteer of the Month

The next award cycle ends on November 22. If you would like to nominate yourself or another graduate student for volunteer of the month, please apply [here](#) Email any questions to rjcminn@colostate.edu.

11/25-11/26: QIIME2 Workshop: Is analyzing microbiome data in your future? We are excited to offer a two-day workshop on using [QIIME2](#) as a tool for analyzing and visualizing amplicon-sequencing microbiome data! The workshop, taught by experienced QIIME2 instructors, will cover the entire process of analyzing a microbiome study, from important data collection steps to final visualizations and everything in between! This is a great opportunity to become familiar with a new bioinformatic tool, or to get a refresher if it has been awhile. No experience or data is required for this course, just a laptop and enthusiasm! You are welcome to attend as a student, postdoc, professor, or researcher! Register quickly, because the course will be capped at 25 students.

When: November 25th - 26th, 9am - 5pm

Where: CSU campus, Animal Sciences room 161

Cost: \$125 (includes lunch and refreshments both days!)

Registration: <https://www.eventbrite.com/e/qiime2-workshop-tickets-74882203687>

If you have further questions, please contact Andy Esterle at andy.esterle@colostate.edu

12/11 - Invitation to Organize "International Mountain Day" Celebration at CSU

December 11 is the UN-designated "International Mountain Day". Our colleagues on the west slope at Western Colorado University in Gunnison have an enthusiastic group of mountain grad students who are hoping to organize a student-led event across many universities on this date, followed by Mountain Day activities at respective universities. This will be coordinated and supported by the UN Mountain Partnership, based in Rome. CSU STUDENTS: If you want to help organize the CSU portion of this, please email: Julia Klein, Associate Professor, CSU Julia.klein@colostate.edu

2/8 COPARC Annual Meeting

Saturday February 8, 2020 Boulder County Open Space Building 5201 St Vrain Rd, Longmont, CO 80503 **Time:** 9:00 am - 4:30 pm

[Register](#)

4/23-4/24 Second Annual Front Range

Microbiome Symposium This spring, CSU's Microbiome Network and student group GRAM (Graduate Researchers Across Microbiomes) are hosting the second annual Front Range Microbiome Symposium on April 23rd & 24th here at CSU! Registration and abstract submission begins on **Monday, January 6th**. [Website](#) More info [here](#)



Photo: Izzy Smith

RESOURCES

R-user group. Wednesdays 3-5 pm NR 256 [Sign up](#) for updates or to contact the group. [Questions.](#)

Coming Out, Being Out, and Questioning Support Group. Email [Jessie Charbonneau](#) for details.

CSU Writes: Show up & write. Drop-in writing sessions provide faculty and graduate students a designated time and place to "show up & write."

CSU Health Network Therapy: CSUHN has individual and group counseling as well as workshops and are available for students for free.

Data and Donuts - Data Management Made Tasty: Good data management practices are becoming increasingly important in the digital age. Learn how you can improve your data management.

Coding and Cookies - Everything is better with cookies. Especially data: Sessions are focused on coding in R.

Geospatial Graduate Students Club: Anyone interested in geospatial applications is welcome. Click [here](#) to learn more!

Society for Ecological Restoration- Rocky Mountains Chapter (SER-RM)
Visit [website](#). Follow [Facebook page](#) or [Twitter](#). [Graduate Researchers Across](#)

Microbiomes (GRAM): Would like to invite any graduate students or post-docs with involvement or interest in microbiome research to join our student organization. We will be meeting monthly this fall on the third Tuesday of every month at the Marmot.

NREL's EcoAcademy offers opportunities for students, scientists, environmental professionals, and K-12 teachers to learn from our over 50 years experience as a leader in the field of ecosystem science. From these classes, participants will learn cutting edge techniques from faculty and researchers that have been cited over 74,000 times since 2014. These non-credit courses can provide you with skills and hands on experience to take your research to next level science. Our 2020 EcoAcademy series is kicking off with a R Shiny workshop **Jan. 13-17!** [More info](#)

GRANTS / JOBS

[Evelyn Pruitt National Fellowship for Dissertation Research The Society of Woman Geographers \(SWG\)](#) invites applications for its Evelyn L. Pruitt doctoral dissertation research fellowships for 2020-2021 for women in geography and geographical aspects of other fields. SWG expects to make four to six awards of \$8,000 to \$12,000. Applications are due February 1, 2020.

www.iswg.org/fellowships.

[Post-Doctoral Position](#) - DEVELOPING FISH POPULATION MODELS TO INFORM ADAPTIVE MANAGEMENT IN THE GRAND CANYON
A start date in the winter or spring of 2019-2020 is preferred and term of appointment will be for at least 18 months. Review of applications will begin on November 8 and will continue until a suitable candidate is found. Interested candidates should send a cover letter, cv, three references, and one representative publication to Charles Yackulic cyackulic@usgs.gov

[Forest Ecology TT position at West Virginia U](#)
West Virginia University is currently trying to fill a

Evelyn L. Pruitt National Minority Fellowship The Society of Woman Geographers (SWG)

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Ecologist and Economist Post Doc Positions UM and UNL

Seeking two research scientists/postdoctoral scholars at the University of Montana and University of Nebraska-Lincoln, in collaboration with USDA Natural Resources Conservation Service and their Conservation Effects Assessment Project. To apply for either position provide 1) letter of interest, and 2) CV (including references) to both Brady Allred (brady.allred@umontana.edu) and Dirac Twidwell (dirac.twidwell@unl.edu) by December 1, 2019

Rocky Mountain Research Station USDA Forest Service - Outreach Notice

Wildlife and Terrestrial Ecosystems Program - Wildlife Research Ecologist with Quantitative Skills

Location: Albuquerque, NM

Responsibilities: We are seeking a permanent research ecologist with strong statistical and spatial modeling skills to develop a research program in the Southern Rockies / Southwestern United States.

Southeast Alaska Network (SEAN) - Quantitative Ecologist Position

The Southeast Alaska Network (SEAN) supports Glacier Bay National Park and Preserve, Klondike Gold Rush National Historical Park, Sitka National Historical Park, and coastal portions of Wrangell-St. Elias National Park and Preserve by conducting long-term monitoring of ecosystem drivers and indicators of ecosystem condition.

USGS Ecologist (Term)

Term landscape ecologist position with the USGS Fort Collins Science Center that will work closely with planners, managers, and policy makers at the Bureau of Land Management and other land management agencies and organizations, to conduct landscape-scale research addressing priority management questions on western public lands.

[Info](#)

U.S. Geological Survey Southwest Biological Science Center, Flagstaff, AZ-Fire Ecology Post-Doc

The U.S. Geological Survey Southwest Biological Science Center in Flagstaff, AZ is hiring a fire ecology post-doc to begin December 2019. The post-doc will apply fuels mapping methods and fire modeling to understand current and future fire behavior in grasslands, savannas, and dry forests of the southwestern U.S. [Info](#)

Post-doc in Ecological Land Surface Modeling

tenure-track position in forest ecology at the Assistant Professor level in the Department of Biology at West Virginia University. They are seeking an individual who uses a combination of empirical and advanced analytical techniques, and who can leverage "Big Data" (e.g., NEON, FIA, NADP, ForestGEO, or AmeriFlux data) to link changes in tree species composition with the resulting impacts on forest ecosystem function. [For more info](#)

Research Assistantship - National Park Service (NPS)

The National Park Service (NPS) Climate Change Response Program (CCRP) seeks one qualified graduate student to contribute to numerous ongoing climate change adaptation activities supporting management of national parks. The selected candidate will support NPS scientists in developing and applying sound science to identify, inform, implement, and evaluate the application of climate change adaptation strategies across the U.S. National Park System. This is a salaried graduate research assistantship position through Colorado State University. Please provide your statement of interest, resume of experience, and college transcripts to Alan Ellsworth at climate_change@nps.gov. The position will remain open until filled.

Post-Doctoral Position: The project will identify and evaluate potential management strategies towards recovery of the Federally Endangered Shenandoah salamander within Shenandoah National Park. Managers at Shenandoah National Park need validated information to better manage the endangered Shenandoah salamander in the face of climate change.

Director of Conservation Science: The Director of Conservation Science will play a critical leadership role in promoting positive outcomes for nature and people by using an evidence-based, scientific approach to inspire, inform and guide the conservation and policy strategies of the Nature Conservancy's Colorado Chapter.

Doctoral Graduate Position - Invasive Grass Distributions and Niche Modeling

We are seeking a PhD-level graduate student interested in invasive plants, plant ecology, and landscape-scale patterns and processes.capacity. To apply, send the following via email (1) resume, (2) names and contact information of three professional references, (3) undergraduate and graduate university transcripts (unofficial transcripts are sufficient), and (4) letter explaining why you are interested in and qualified for this position to Dr. Cynthia Brown. Review of applications will begin October 15 and will continue until the position is filled. For more information contact Dr. Cini Brown (cynthia.s.brown@colostate.edu).

University of Wyoming

We are looking for a post-doctoral researcher to work for two years on a funded DOE project focused on improving grass/shrub components within land surface models. To apply: Please email a cover letter, your CV, and contact information for three professional references as a single PDF to Kevin Wilcox (kevin.wilcox@uwyo.edu) by Wednesday, Nov 20th for full consideration. [Info](#)

Assistant Professor – Biology Department,

Ithaca College The Biology Department at Ithaca College seeks applicants with expertise in evolutionary biology and ecology for a full-time, non-tenure-eligible appointment as an Assistant Professor for a three-year contract (with the possibility of renewal) beginning August 16, 2020. – The primary responsibility is to coordinate and teach an introductory Ecology and Evolution course, including lectures and laboratory sessions for 140-180 students in the physical therapy and occupational therapy programs. [Info](#)

Assistant Professor, NC State University

NC State University is advertising for an Assistant Professor position to be hired under the Chancellor's Faculty Excellence Program for the Global Environmental Change and Human Well-being Cluster. In addition to working closely with other faculty within this cluster, the incumbent will have opportunities for collaboration exist across departments and colleges as well as with the **USGS Southeast Climate Adaptation Science Center**, the North Carolina Museum of Natural Sciences, the Office of Public Science, the Cluster of Public Science, the Cluster in Geospatial Analytics, and the Cluster in Emerging Plant Disease and Global Food Security (NB: emphasis is mine). Note, applications and nominations for Associate and Full Professors will also be considered. Relocation assistance services are provided by the university. Review of Applications will begin on December 15, 2019. See the full advertisement here: <https://jobs.ncsu.edu/postings/124813>

Postdoctoral Position

Disease ecology, epidemiological modeling, & ecoimmunology School of Biological Sciences, Washington State University

The Brunner/Crespi Lab is looking for a postdoctoral researcher to work on an NSF-funded

project scaling the stress-induced susceptibility hypothesis to population-level outcomes. The broad goal is to understand how susceptibility (tolerance and resistance) changes through development of wood frog tadpoles, and how this scales up to affect the likelihood and severity of ranavirus epidemics. For more information contact: jesse.brunner@wsu.edu

Post Doctoral Research Associate:

USGS Patuxent Wildlife Research Center is seeking a post-doctoral research associate with interest in survey design and analysis and waterfowl biology. Specific duties will be to conduct statistical analyses of waterfowl survey data in support of a review and re-design of the Waterfowl Breeding Population & Habitat Survey (WBPBS).

For further information, contact:

John Sauer, jrsauer@usgs.gov, 301-497-5662

Ph.D. Student Opportunity:

The Deer Laboratory at the Warnell School of Forestry and Natural Resources at University of Georgia is recruiting a Ph.D. student with an interest in using structured decision making to improve wildlife management.

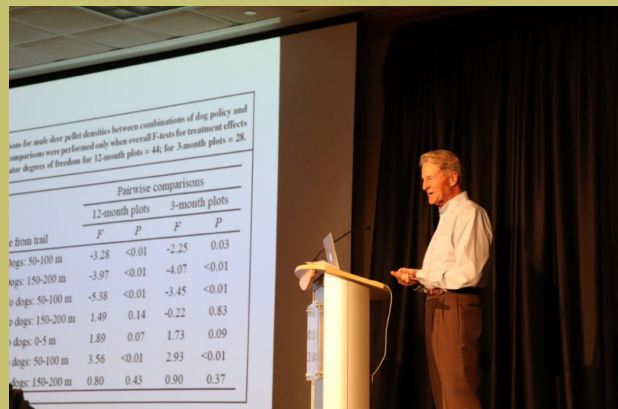


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