



GRADUATE DEGREE  
PROGRAM IN ECOLOGY  
COLORADO STATE UNIVERSITY

# GDPE Weekly Digest

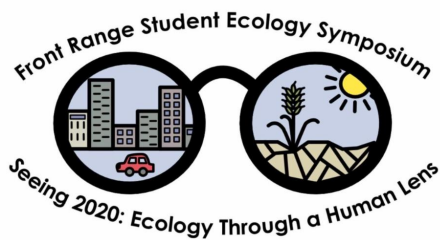
December 16th, 2019

## UPCOMING GDPE EVENTS

Thurs, 1/9: 12 - 2 pm NESB 218

### FRSES Abstract Writing and Editing Session

Set a time to write an abstract and/or get edits on your existing abstract. Pizza and FRSES stickers provided! More info [here](#)



SAVE THE DATE

## FRONT RANGE STUDENT ECOLOGY SYMPOSIUM

FEBRUARY 20-21ST, 2020, LORY STUDENT  
CENTER, COLORADO STATE UNIVERSITY

FIND US ONLINE AT [ECOSYM.ECOLOGY.COLOSTATE.EDU](http://ECOSYM.ECOLOGY.COLOSTATE.EDU) OR ON FACEBOOK  
AT FRONT RANGE STUDENT ECOLOGY SYMPOSIUM

Abstract announcement to follow

### **FRSES call for abstracts is open!**

For more information check out the [FRSES Website](#).

To submit an abstract, fill out the [submission form](#).

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

Information on Spring 2020 DE speakers [here](#)

## From your GDPE Admin Team

Whew!

It's finals week and then winter break. We hope you had a great semester, and for those of you travelling, that your travels go smoothly.

The GDPE Digest will take a break as well, with resumption in January 2020 - a new decade! The spring semester is always a busy one - with FRSES, Distinguished Ecologists visiting and, for many, preparing for summer field work.

So rest well, recharge and get ready to go again in a few weeks.

~ Alan, Jennifer and Dawn

Previous GDPE Digests are now available on our website! Click on the link to access [GDPE Digest Archives](#)

Don't forget to check out our Resources and Grant/Jobs sections down below for information on other resources and opportunities!

### **Congratulations to our Fall 2019 Graduates!!**

Miguel Francisco Jimenez - MS  
Peter Jorge Cadmus - PhD  
Amanda R Carlson - PhD  
Courtney Louise Larson - PhD





## 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](#)

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**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

## 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)** 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, 1cr

◆ **"Wildlife in Ecological Systems"** (*Julie Heinrichs, Adrian Monroe, David Edmunds*)  
Section 008, CRN 18755, 1cr

◆ **"Mechanistic and Predictive Models for Polygenic Traits"** (*John McKay*)  
Section 010, CRN 18757, 1cr

◆ **"Ecological Networks: Theory and Applications"** (*Dr. Colleen Webb, Brooke Berger*)  
Section 001, CRN 18824, 1cr

◆ **"Ecosystem-Based Adaptation and Biodiversity Changes at a Global Scale"** (*Dr. Gillian Bowser, Sarah Whipple*)  
Section 011 CRN 18839, 2cr

◆ **"Federal Perspectives on Invasive Species Science, Management and Policy"** (*Dr. Cynthia Cini Brown, Jeff Morisette*)  
Section 002, CRN 10126, 1cr

**Proposals for ECOL592 seminars can be submitted on-line [here](#).**

## Upcoming Courses of Interest

◆ **AB511- Microbiome of Plant System**  
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, MW 11-11:50 am  
Lab F 11-1:00 pm  
More info [here](#)

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.

[Submit Photos](#)



◆ **ANTH/ESS 650 - Edge Effects: Place,**

**Embodiment, and Environments**

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

More info [here](#)

◆ **GRAD 580A2 - Research Skills for Graduate Studies**

Laurel Bond, W 2-4:50 pm

More info [here](#)

◆ **BSPM 528 Invasive Plants and Weeds: Ecosystems to Molecules**

Dr. Cini Brown T, TH 9:30 am - 10:45 am

More info [here](#)

◆ **BZ 348/548 Math 348 Theory of Population and Evolutionary Ecology**

Dr. Lindsay Beck-Johnson

Lecture MWF 1-1:50 pm, Computer Lab TH 3-5:30 pm More info [here](#)

## ECOLOGY & CSU EVENTS

### Upcoming:

**1/13-1/17 Ground Beetle ID Workshop** Are you interested in working with Carabidae for your research? Or do you have vials of Carabidae, but need help with species identification?

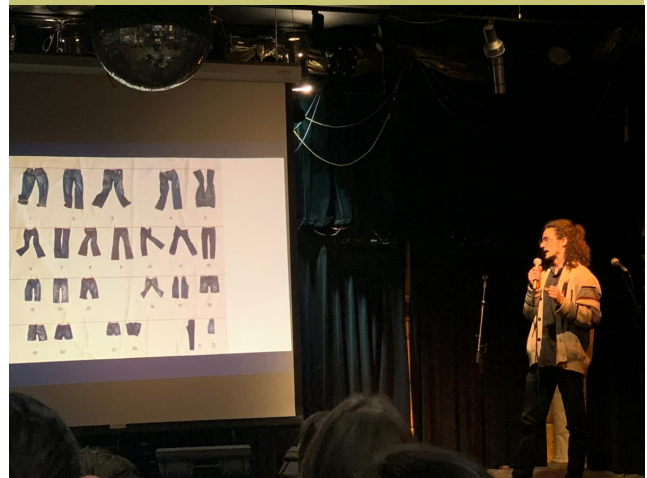
If so, check out the upcoming ground beetle identification workshop at Ohio State University! This 5-day workshop will provide a general overview of ground beetle species identification and natural history, with a focus on North American taxa. The workshop will consist of lectures and laboratory identifications, with strong emphasis placed on the use of dichotomous keys. [More info](#)

### **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. More info [here](#)  
[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](#)



## RESOURCES

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

### **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**



**Coming Out, Being Out, and**

**Questioning** Support Group. Email [Jessie Charbonneau](mailto: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.



**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

**The Paustian Research Group at the Natural Resource Ecology Laboratory at Colorado State University**

is hiring an individual into the position of Outreach and Education Specialist and Data Analyst. The position is described [here](#): The individual hired into this position will be developing and implementing outreach and education plans for greenhouse gas inventory tools (COMET-Farm, COMET-Planner, Carbon Benefits Project), as well as supporting tool testing, data analysis, and greenhouse gas modeling efforts for the group. Please feel free to circulate this announcement widely.

**College of Arts and Sciences Cornell University Ithaca, NY Postdoctoral Associate**

Adaptive diversification of frogs along the Brazilian Dry Diagonal A fulltime postdoctoral position is available in the Zamudio laboratory, Department of Ecology and Evolutionary Biology, Cornell University. This position is funded by an NSF Dimensions of Biodiversity Grant to study adaptation of multiple plant and animal lineages to the Dry Diagonal of Brazil (cerrado and caatinga biomes). This post-doc will focus specifically on divergence and adaptation in dry



**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

diagonal frogs. Review of applications will begin on March 1, 2020.

### [Tenure-Track Faculty: Spatial Wildlife Ecology \(Department of Wildlife\) – California](#)

The Department of Wildlife Management at Humboldt State University invites applicants for an academic year, tenure-track faculty position specializing in Spatial Wildlife Ecology. Additional information about the Department of Wildlife can be found [here](#). This position is open until filled. First consideration will be given to completed applications received no later than February 1, 2020.

### [Indo-U.S. 21st Century Knowledge Initiative Grant \(Fully Funded Travel to India\)](#)

Dr. Barry R. Noon (Department of Fish, Wildlife and Conservation Biology), Dr. Ajith Kumar (National Centre for Biological Sciences) and Dr. Karthik Shanker (Indian Institute of Sciences, Centre for Ecological Sciences) received a five-year grant to support science, education and technology transfer between CSU and five partner institutions in India. The funded proposal is part of the Indo-U.S. 21st Century Knowledge Initiative (Project Title: Partnering to Sustain India's Biological Diversity in the Context of Rapid Environmental Change: Research, Education and Community Outreach). [More info here](#)

### [Future Park Leaders Internship Opportunities](#)

Applications are open December 2, 2019, for paid summer internships with the National Park Services Future Park Leaders of Emerging Change program. [website](#)

### [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](http://www.iswg.org/fellowships).

### [Evelyn L. Pruitt National Minority Fellowship The Society of Woman Geographers \(SWG\)](#)

Evelyn L. Pruitt National Minority Fellowship The Society of Woman Geographers (SWG) invites applications for its Evelyn L. Pruitt National Minority Fellowship for 2020-2021. Applications are due February 1, 2020.

[www.iswg.org/fellowships](http://www.iswg.org/fellowships).

### [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

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>

### [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](mailto:cyackulic@usgs.gov)

### [Forest Ecology TT position at West Virginia U](#)

West Virginia University is currently trying to fill a 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](mailto: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.

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](#)

### [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](#)



**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](mailto:cynthia.s.brown@colostate.edu)).

### [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](mailto: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 (WBPHS).

For further information, contact:

John Sauer, [jrsauer@usgs.gov](mailto: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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