



GRADUATE DEGREE  
PROGRAM IN ECOLOGY  
COLORADO STATE UNIVERSITY

# GDPE Weekly Digest

June 1, 2020

## GDPE EVENTS

*For more ecology and other CSU events, please see [Ecology & CSU events section](#).*

**POSTPONED**: Information on Spring 2020 DE speakers [here](#).



## From your GDPE Admin Team

Send us your photos! Now more than ever, it's important for us to keep in touch. Send us your photos of your WFM desk, from the field, or just photos of you relaxing and enjoying summer!

[Submit Photos](#)

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!



## Spring Graduates 2020



### Congratulations again to all our Spring 2020 Graduates:

- **Theresa Barosh, Ph.D.**, "Plant-Mediated Interactions Inform Integrated Pest Management"
- **Sam Gersie, M.S.**, "Predicting Cattle Grazing Distributions: An Agent-Based Modeling Approach"
- **Vincent Landau, M.S.**, "Evaluating Habitat Suitability and Connectivity for the Endangered Northernmost Population of Jaguars (*Panthera onca*)"
- **Ryan Paul, Ph.D.**, "Winners and Losers in Toxic Relationships Affecting Parasitoid Wasps"
- **Ryan Schroeder, M.S.**, "Soil Seed Bank Composition and Implications for Ecological Resoration in Degraded Colorado Shrublands"
- **Cara Steger, Ph.D.**, "Social-Ecological Models for Knowledge Co-Productin and Learning in Collaborative Environmental Management"

- **Clinton Leach, Ph.D.**, "Big Fish Start Small"
- **Clifton Dyer McKee, Ph.D.**, "Evolutionary and Ecological Processes in Microparasite Communities <https://www.usajobs.gov/GetJob/ViewDetails/567348300> of Bats"
- **Sam Mosier, Ph.D.**, "Mechanisms & Management for Soil Carbon Sequestration"

- **Tim Weinmann, M.S.**, "Terrestrial Ecosystem Responses to Long-term N-Loading at Loch Vale"
- **Brian Wolff, Ph.D.**, "Macroinvertebrate and Microbial Community Responses to Metal Stress as Measures of Ecological Recovery of a Restored Headwater Stream"

## DEADLINES

### GDPE Deadlines

*Please be aware that many professional meetings/workshops are being cancelled. Check with the appropriate society to confirm the current status of the meeting.*

### Other Deadlines

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

### General Registration Deadlines

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

[Obtaining Signatures](#)

[Degree Deadlines](#)

[Student Forms](#)

[GDPE Grad Student Survey](#)

## Congratulations!

- **Annie Kellner** received an American Fellowship from the American Association of University Women (AAUW)

## GDPE

### GDPE Course Information

[Fall 2020 course info will be posted later this semester]

**Proposals for ECOL592 seminars for Fall 2020 can be submitted on-line [here](#).**

### ◆ **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 Fall 2020.

**Important Note: *Please register for the correct number of credits indicated for each course.***

◆ **"Ecological Impacts of Extreme Climatic Events "** (Dr. Melinda Smith) Section 001, CRN, 69100 Credits: 1

◆ **"The Science of Ecosystem Management"** (Dr. Claudia Boot, Katie Rocco) Section 002, CRN, 60075 Credits: 1

### Upcoming Courses of Interest

◆ **PPA 540 Toolkit for International Policy Practitioners** The course will first be offered online in SU20 and then both face-to-face and online thereafter. More info [here](#)

**Wildlife Disease Science for Application to Risk Assessment and Control Seminar**

### GDPE Teaching Fellows Program

**All paperwork:** Please drop all paperwork at the GDPE office (Johnson Hall 102), and Dawn will



## RESOURCES

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**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.

**[CSU Writing Center](#)**  
Every year the CSU Writing Center works with hundreds of graduate students from across the curriculum. Many of those graduate students have requested that we offer longer consultations for work on dissertations, theses, and professional writing projects. We're happy to announce that hour-long consultations are now available. Whether you're developing a literature review, working to understand reviewers' comments, or trying to master a new genre of writing, we can help. Just make an **[Hour-Long Appointment Request](#)**. Questions? Contact us at [writing@colostate.edu](mailto:writing@colostate.edu) or 970-391-0222.

**[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.



## GRANTS / JOBS

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**[CSU Extension: Summer Help Needed](#)**  
**Application due date: Ongoing**  
It is the time of year when CSU Extension is recruiting educators (and supervisors) for ENOR summer day camp and for AmeriCorps STEM programs for disadvantaged youth. [STEM AmeriCorps, ENOR Educator, ENOR Supervisor](#)

[Quantitative Fishery Position](#)

**[Research Ecologist](#)** (Maine)

**Application due date: June 13**

Ability to build an applied research program focused on the ecology, management, and conservation of fish species. The expertise needed to develop novel quantitative methods for stock assessment modeling and near-term ecological forecasting. Expertise needed to develop fish population and ecosystem models that account for complex dynamics resulting from environmental change and other human-caused impacts to freshwater systems. Experience designing, planning and conducting field research programs, and analyzing/synthesizing results from field

**Application due date: Until filled**

Michigan State University has immediate openings in the Quantitative Fisheries Center for PhD students and can accommodate those interested in starting summer or fall 2020. Successful applicant will have background/aptitude/interest in population dynamics, mathematical modeling of fish populations and communities, statistics and application of modeling results to fisheries management, and / or decision making for natural resources management. Learn more [here](#).

**Postdoctoral Researcher****Application due date: Until filled**

The postdoctoral researcher will be involved in the framework of the CAPACITY (Climate and Plant hydraulics controls on drought prediction uncertainty in a new-generation Terrestrial system model) project funded by the Luxembourg National Research Fund (FNR). The project will tackle the challenges of investigating the controls of plant hydraulic traits on the drought predictive uncertainties across different ecosystems, regions, and the entire European continent under past and future climatic conditions. More information [here](#).

**Research Ecologist (Arkansas)****Application due date: June 4**

Plan, conduct, and direct research related to fish, wildlife, or ecological resources, with application to contemporary science, policy and management needs. Conduct research that is cooperator driven and provides scientific basis for management and policy decisions. Serve as subject matter expert in fish and wildlife ecology, providing leadership and guidance to government and private agencies and university representatives through participation in meetings, conferences and work groups. Located in Arkansas.

**GIS Technician****Application due date: June 4**

The US Geological Survey (USGS) Fort Collins Science Center is seeking entry-level GIS technicians to assist with geospatial data acquisition, development, maintenance, mapping, and basic geospatial analysis. This work will be part a collaboration between USGS scientists and Bureau of Land Management (BLM) resource managers to develop geospatial data for the Surface Disturbance and Reclamation Tracking Tool (SDARTT).

**Postdoctoral Fellow UMASS****Application due date: June 5**

The Spatial Ecology Lab at UMass, Amherst seeks a postdoctoral scientist interested in the biogeography and macroecology of invasive species. The successful applicant will design novel, spatial research on invasive species and climate change that addresses stakeholder needs in the Northeast U.S. For example, high priority research topics identified by invasive species managers include identifying native communities vulnerable to invasion and climate change, identifying and prioritizing range-shifting invasive species, and assessing changing efficacy of management practices.

**Infectious Disease Scientist****Application due date: June 12**

The increasing the number of novel infectious diseases over the past few decades, especially

research. Knowledge of decision science (e.g., structured decision making and/or adaptive management) to support natural resource management Located in Maine.

**Research Ecologist (Utah)****Application due date: June 18**

Desirable candidates will possess the following  
Developing and applying wildlife-habitat interaction models at landscape scales, including the design and evaluation of habitat restoration actions.  
Assessing linkages between  
nutritional/physiological status in wildlife and landscape-scale demographic patterns;  
Uncovering linkages between habitat structure/dynamics and wildlife vital rates, including the context of changing climates and urbanization patterns.

**Research Ecologist (Arizona)****Application due date: June 18**

Desirable candidates will possess the following: In addition to the basic qualifications, the incumbent will have demonstrated abilities and experience developing and conducting basic or applied research. Applied landscape ecology (wildlife/birds), with a specialization in quantitative aspects of applied landscape ecology; spatial modelling of ecological interactions, resources and habitats; population and community ecology and modeling; experimental and sampling design; computer intensive methods; and Bayesian and frequentist statistics. Effective corridors and options for species across landscapes, including urban interfaces, international boundaries, sky-island systems, and suitable habitat; or ability to model populations and future responses to threats in realistic, applied scenarios

**Research Ecologist (Florida)****Application due date: June 18**

Plans, conducts, and directs research related to fish, wildlife, or ecological resources, with application to contemporary science, policy and management needs. Conducts research that is cooperator driven and provides scientific basis for management and policy decisions. Serves as subject matter expert in fish and wildlife ecology, providing leadership and guidance to government and private agencies and university representatives through participation in meetings, conferences and work groups.

**Call For Submissions****Submission due date: June 30**

The Journal of Interactive Technology and Pedagogy seeks scholarly work at the intersection of technology with teaching, learning, and research. They are interested in contributions that creatively take advantage of the affordances of digital platforms and critique their limitations. They invite both textual and multimedia submissions employing interdisciplinary and innovative approaches in the humanities, sciences, and

those caused by fungal pathogens, has resulted in substantial population declines and loss of biodiversity. Two wildlife pathogens of particular interest to US agencies include white nose syndrome (WNS) in bats and the salamander chytrid fungus (Bsal). Several US agencies actively participate in working groups to develop management strategies and identify research priorities for these diseases.

**Research Ecologist** (Iowa)

**Application due date: June 12**

Plan, conduct, and direct research related to fish, wildlife, or ecological resources, with application to contemporary science, policy and management needs. Conduct research that is cooperatively driven and provides scientific basis for management and policy decisions. Serve as subject matter expert in fish and wildlife ecology, providing leadership and guidance to government and private agencies and university representatives through participation in meetings, conferences and work groups. Located in Arkansas. Located in Iowa.

social sciences.

**Postdoctoral Research Scholar**

**Application due date: July 31**

Applications are invited for a full-time postdoctoral research scholar appointment to be held at the Department of Fisheries and Wildlife, Oregon State University. Primary research focus is to use existing long-term monitoring data to estimate the abundance, distribution, and dynamics of estuarine and riverine fish populations and develop decision-support tools to aid in restoration and recovery planning.

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## **COVID-19 Info and Resources**

These online resources have been sent out in other Graduate School correspondence and can be found on the [Graduate Student Council webpage](#). We hope that by copying them here for you that you become aware of these resources and share them with other colleagues and students.

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**Graduate School COVID-19 webpage** – updates to Covid-19 exceptions to policies and deadlines for graduate students

**Graduate School Virtual Office Hours** – faculty, students, and program coordinators can get their questions answered by virtual chat on Mondays 2-3 and Thursdays 8-9

**Virtual Mentor Monday**

**Support for GTAs Survey**

**Grad School Event Calendar** – check here for future, virtual professional development opportunities

**Virtual CSU Writes**

**CSU Mental Health info on anxiety around COVID-19**

**Silvercloud** – online support for students, postdocs, faculty seeking help with depression, anxiety, stress, resilience, or sleep

**Rams Against Hunger** – Food Insecurity

**You @ CSU** – online support for students, postdocs, faculty to help them maintain productivity, succeed, thrive, and matter. It has goal setting and support options as well as useful articles on issues like procrastination that may be exacerbated by COVID-19.

**CSU Safety: COVID-19 Information** - University wide updates and protocol regarding COVID-19



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