



GRADUATE DEGREE  
PROGRAM IN ECOLOGY  
COLORADO STATE UNIVERSITY

# GDPE Weekly Digest

February 17th, 2020

## UPCOMING GDPE EVENTS

**2/20 - 2/21 - Front Range Student Ecology Symposium (FRSES),** Lory Student Center North Ballroom

- Keynote, 2/20 from 4:00 - 5:00 pm in LSC North Ballroom, "Balancing human and ecological needs in drought preparedness and response: An ecological drought case study from Montana's Upper Missouri Headwaters
- Workshop, 2/21 from 4:00 - 4:50 pm in LSC 386, "Bringing the people to ecology and ecology to the people"

### FRONT RANGE STUDENT ECOLOGY SYMPOSIUM

A student-run symposium for ecology students to showcase their work



February 20-21st, 2020  
Lory Student Center  
Colorado State University



Keynote speaker  
Dr. Amanda Cravens  
USGS Research Social Scientist

Supported by:



For more information check out the [FRSES Website](https://frses.wordpress.com/).

**Tuesday, 2/25 from 12:30 - 1:30 pm, Johnson 132 - "Let's Talk: The Birds and Bees of Writing in Ecology: A conversation with Dr. Kristina Quynn"**

**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

### Save the Dates! FRSES is here this week!

The annual Front Range Student Ecology Symposium! Its a great opportunity to hear from our local ecologists - who conduct research both locally and around the world. Please make sure you mark your calendars and support our GDPE students.

We would also like to take the opportunity to welcome the GDPE prospective students who will be visiting with us during our recruitment events!

#### [Agenda](#)

GDPE Faculty: If you have any last-minute students who will be visiting and participating in recruitment events please email [Dawn Koschnitzki](#).

Finally, don't forget to enter the [FRSES Photo Contest](#). The deadline has been extended until Tuesday, February 18!

~ Your GDPE Admin Team

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!

## DEADLINES

### GDPE Deadlines

**Friday, April 10:** The following are due to the Graduate School (we recommend submitting at least 10 days prior):

## GDPE

### GDPE Course Information

◆ **ECOL693 (Research Seminar)** will only offer the oral section (001) for this coming Sp20

- GS-24 (Report of Final Examination Results) - Due within 2 days of your final defense exam!!
- GS-30 (Thesis/Dissertation Submission Form)
- GS-31 Embargo Request (optional)
- Survey for Earned Doctorates (PhD only) [\[here\]](#)
- Electronic copy of thesis/dissertation (formatted according to GS guidelines - [here](#); they also have workshops to help with this!)

NOTE: The GS-30 and GS-31 must be submitted **BEFORE** your thesis/dissertation can be approved. Submit the GS-30 *as soon as possible* after your defense.

**Friday, May 15:**

- GS25B "Departmental Requirements Clearance" due to the Graduate School

*Reminder: Per your GS25, the Department Requirement you need to submit to GDPE is: Complete exit interview ([here](#)) Please coordinate with our Program Coordinator, Dawn Koschnitzki, to get your GS25b signed and submitted.*

**Graduate School Deadlines for Spring Graduates**

**Friday March 6 – by 4:45 pm (MT)SUMMER 2020 GRADUATES** who would like their name printed in SPRING 2020 Commencement Program

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

**General Registration Deadlines**

**Feb 5: Registration Closes** - Last day for dropping courses without record entry, changes in grade option, and tuition and fee adjustment

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

**Other Deadlines**

**Feb 21 GDPE Small Research Grant** for students. Due date for proposal submission - **Friday, February 21. [Info Application](#)**

[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

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  
2/18 - "Remote Sensing" Dr. Jody Vogeler (NREL) & Genomics Kevin Oh (USDA)  
[Info and Speaker Schedule](#)

◆ **"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 Morissette)  
Section 002, CRN 10126, 1cr  
Location: C123 Plant Sciences  
The seminar may be viewed in real-time at the following link: <https://bluejeans.com/402901447>  
You will need to install the BlueJeans application to join.

**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, M W 11-11:50 am  
Lab F 11-1:00 pm  
More info [here](#)

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

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.

Submit Photos

### **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**

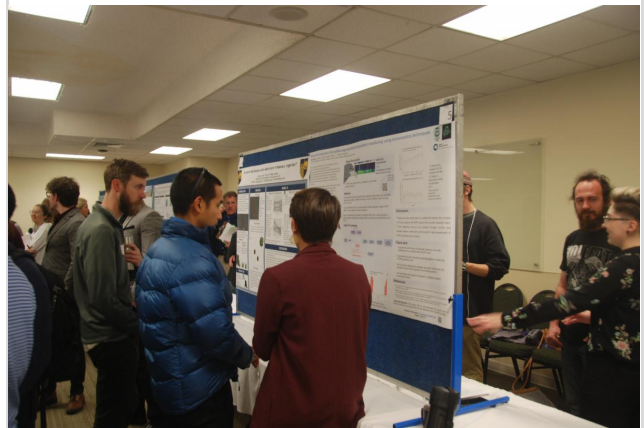
Dr. Cini Brown T, TH 9:30 am - 10:45 am

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:

#### Upcoming Defense Seminars:

FRIENDS, FAMILY, & COLLEAGUES WELCOME



Plant-Mediated Interactions Inform Integrated Pest Management

Theresa Barosh | PhD Defense Seminar  
Advised by Dr. Paul Ode

March 25 | 8:00 a.m. - 9:00 a.m.  
Natural Resource Building | Room 140  
400 University Ave, Colorado State Univ.



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#### Upcoming Events:

### Spring 2020 Graduate Professional Development Series

2/20 A Day in the Life of Non-Tenure Track Faculty Denise Apodaca, Graduate School 12:00 - 1:30 p.m. LSC 380

### Series Info Flyer

### 2/25 Antarctic Lecture Series presents A view from the Arctic Ocean: Lessons for Antarctica?

Jessie Creamean- Research Scientist, Colorado State University

Tuesday, February 25

7-8pm Old Town Library

201 Peterson Street, Fort Collins [Info](#)

### 2/27 Special Seminar: Understanding and Predicting Wetland Methane Emissions

An informal seminar by Rob Jackson (Stanford) and colleagues describing synthesis efforts conducted at the Powell Center 4:00 pm

B218 E- Conference Room CSU NESB [Info](#)

### 3/24- 3/27 Diversity, Equity, and Inclusion in Socio-Environmental Synthesis Research

Workshop at SESYNC – a fully funded experience for **PhD students** in Annapolis, MD from March 24-27, 2020. The deadline to apply is **January 21, 2020 at 5:00pm** Eastern Standard Time (EST). [Info](#)

### 4/8 & 4/18 Grant Writing Workshop

Learn to craft a competitive research proposal at the upcoming workshop led by Saran Twombly, a

**Spring CSU Write Club Lecture Series by CSU's One Health Club**

3/11 Visual Storytelling in Health Communication  
Lecture 2 - Dr. Joe Champ 12-1 pm, Pathology  
101 [Series Info](#)

**2/19 - State of the Science: Looking Forward to 2030 and Beyond** - Connect with local city and county government officials and CSU student researchers. 4 pm - 7 pm New Belgium Brewery  
More [info](#)

**2/21 - Call for Posters & Artwork for the 2020 Women in Science Symposium (WISS)**

WISS an opportunity for a gender-inclusive community from Northern Colorado to engage in this half-day event and network with others from academic & industry backgrounds interested in promoting science and gender equity. WISS is a product of the Women in Science Network (WiSCI). WiSCI exists for the purpose of empowering women and girls in science from K-12 through terminal degrees. We believe that the solution to barriers women and girls face in science education and in science fields is discovered by linking arms with people of all genders, all races, all colors, and all ages. **Submissions are due by February 21, 2020.** [Website Info](#)

former Program Director at the National Science Foundation. You will develop the skills to present your research so that it captures your reviewer's attention and delivers the actions you desire. The event includes two full Saturdays April 4 and 18. We are limiting attendance to 20 people to maximize your training experience.

Grant Writing Workshop  
LSC 372-374

April 4 & 18 from 8:30 a.m. - 5:00 p.m.

Apply to attend by March 12 at [col.st/CADF5](http://col.st/CADF5)  
[Info](#)

**4/11 4th Annual Rocky Mountain Geobiology Symposium** Colorado School of Mines Golden, Colorado

**Abstract submission deadline: February 29th, 2020 Registration deadline: March 20th, 2020**  
Cost: Free [Info](#)

**4/16-4/19 The Henry L. Gholz SEEDS National Field Trip** – a fully funded travel award for **undergraduates** to learn all about the science at the Sevilleta LTER in La Joya, NM from April 16-19, 2020. The deadline to apply is **January 31, 2020**. [Info](#)

**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](#)

**6/1-6/5 Workshop on Scaling Up sponsored by ESA and NEON** Fully funded week long workshop for graduate students (MS and PhD) to learn how to manage big data sets and programming with R, hosted at NEON in Boulder, CO from June 1-5, 2020. **The deadline to apply is February 28, 2020.** More info [here](#)

**7/12-7/18 Alpine Plant Ecology - International Summer School.** Jointly organized the University of Basel and ALPFOR [Info Flyer](#)





## RESOURCES

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

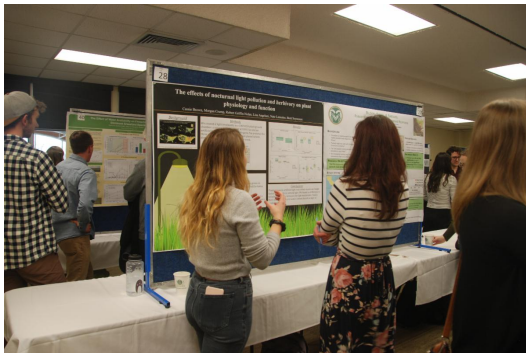
**Coming Out, Being Out, and Questioning** Support Group. Email [Jessie Charbonneau](#) for details.

**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.



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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### [2020-2021 Advancing Education Scholarship](#)

The Graduate School is pleased to announce the availability of the 2020-2021 Advancing Education Scholarship to honor the legacy and memory of Martin Luther King, Jr.

The scholarship is presented each year to a CSU graduate student who has demonstrated outstanding achievement in promoting equities in education for underrepresented and/or racially minoritized students. The awardee receives a \$9,000 scholarship and resident tuition support for one academic year. **The application deadline is February 18, 2020.** [Info Cover Sheet](#)  
[GTA Positions for Summer 2020](#)

The Department of Biology will be recruiting GTAs for Summer 2020. Application materials are due **Friday, February 21<sup>st</sup>, 2020**. Students that have



[The American Society of Ichthyologists and Herpetologists Gaige Fund Award](#) provides funding for graduate student research. **Applications are due March 1.** [Info](#)

[Exciting employment opportunities in applied herpetology and invasive species control](#)

previously been GTAs in the Department of Biology and would like to be appointed again for summer 2020 need only submit the attached GTA application form. Students that have never been GTAs in the Department of Biology will need to provide additional application materials, as outlined on the attached form.

If you are assigned to teach LIFE 102, LIFE 103, BZ111, BZ120, BZ310, **you are required to attend an organizational lab meeting scheduled during the week before classes begin.** Donna Weedman, Lab Coordinator for the Department of Biology, will e-mail students the date and time for the course to which they are assigned. **If students cannot attend this meeting, they will forfeit the GTA nomination.**

#### [Sustainability Leadership Fellows \(SLF\)](#)

The School of Global Environmental Sustainability (SoGES) is now accepting applications for its Sustainability Leadership Fellows (SLF) program, which prepares future innovators and thought leaders with state-of-the-art science communication and career development training. The Sustainability Leadership Fellows program helps early career scientists who will be solving the grand challenges of sustainability have greater impact, reach broader audiences, and think more expansively about their work and its role in the world. This program will enhance your career and your ability to effectively communicate, collaborate, and lead. The program is open to all disciplines and colleges. **The deadline to apply is March 11, 2020** [Info](#)

#### [Demographic Modeling Postdoc Position](#)

In partnership with the USGS Pacific Islands Ecosystem Research Center (Dr. Eben Paxton) and the University of Guam, we're seeking a skilled demographic modeler to serve as investigator on a study to predict the likelihood of native bird population persistence under varying levels of invasive snake predation. [Info](#)

#### [CSU Extension: Summer Help Needed](#)

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](#)

#### [The Department of Fish, Wildlife & Conservation Ecology, New Mexico State University](#)

[Assistant Professor – Fisheries Ecologist](#)  
The Department of Fish, Wildlife and Conservation Ecology at New Mexico State University announces an opening for an Assistant Professor/Fisheries Ecologist. The Department seeks a candidate to establish a competitively funded research program in applied fisheries

[research -- all levels - Brown Treesnake](#) Several employment opportunities are available with the Research Corporation of the University of Guam to support USDA in this research

[Info](#)

#### [Assistant Professor \(Tenure track\) Applied Environmental Economist Department of Natural Resources and Environmental Management University of Hawaii Manoa](#)

The Department of Natural Resources and Environmental Management (NREM) in the College of Tropical Agriculture and Human Resources (CTAHR) at the University of Hawaii Manoa seeks an applied environmental economist who will apply cutting edge modeling and statistical techniques as part of a novel, integrative research program that is relevant to the sustainability and resiliency of Hawaii and the Pacific Region. [Info](#)

#### [PhD Opportunity at New Mexico State University](#)

[Funded PhD Assistant Ship - Dryland Microbial Ecology](#) The Pietrasiak lab at New Mexico State University invites applications for a USDA-AFRI sponsored Ph.D. assistantship in the Plant and Environmental Science (PES) program starting in summer/fall 2020. This project is a highly collaborative and interdisciplinary study with PI's spanning disciplines such as Environmental Sciences, Rangeland, and Global Change Ecology to using cutting edge techniques in Microbiology, Plant Genomics, and Ecology. [Info](#)

[GIS/Air Resources Internship via Geoscientist in the Parks \(GIP\) Program](#) The Great Smoky Mountains National Park is hiring a 26 week intern position that will use GIS skills to develop an ArcGIS on-line Story-map depicting how historic acid deposition has impacted air, soil and stream water quality as well as the mitigation's and significant deposition improvements that have been made in these areas. [Info](#)

#### [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](#)

#### [Assistant Professor, NC State University](#)

NC State University is advertising for an Assistant Professor position to be hired under the

conservation and management to address important scientific questions and societal issues of relevance to the state of New Mexico, as well as regionally, nationally and internationally. [Info](#)

#### [John W. Marr Grants in Aid of Graduate Student Research](#)

To provide research grants of \$300 to \$1000 for Ph.D. and Master's Degree students doing field research in plant ecology in the Rocky Mountains or the Arctic Eligible Universities: Universities in the Rocky Mountain region supporting graduate research programs. Applications must include: \* Curriculum Vitae \* Research proposal of no more than five pages which includes: scientific goals, methods to be used, timetable, and appropriate literature citations (12 pt font, 1 inch margins) \* Itemized budget including the proposed use of Marr fund, and any other potential sources of funding \* Support letters from applicant's major advisor and another committee member  
Application Deadline Applications must be received no later than March 20, 2020 [Info](#)

#### [Research Assistantship Opportunity: Climate Change Adaptation Science Assistant](#)

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. Open until filled. [Info](#)

#### [Rocky Mountain Research Station USDA Forest Service](#)

[Postdoctoral Research Plant Ecologist, GS-0408-11](#) The Rocky Mountain Research Station (RMRS) of the United States Forest Service anticipates hiring a Research Plant Ecologist to conduct research activities at the Shrub Sciences Laboratory with emphasis on research design, data collection and analysis, manuscript preparation and publishing, communication, science delivery, and working with partners. [Info](#)

#### [The SEEDS Partnership for Undergraduate Research \(SPUR\) Fellowship](#)

– a fully funded year and a half research experience for **undergraduates** at one of our partnership stations, plus 3 other travel experiences with SEEDS (Leadership Meeting, Field Trip and ESA Annual Meeting). This is the highest honor for students within the SEEDS program. The deadline to apply is **February 28, 2020**. [Info](#)

[The Rocky Mountain Research Station \(RMRS\) of the United States Forest Service](#) anticipates hiring a Research Plant Ecologist to conduct research activities at the Shrub Sciences

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>

#### [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. Review of completed applications will begin on December 2 and will continue until the position is filled. [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.

Laboratory with emphasis on research design, data collection and analysis, manuscript preparation and publishing, communication, science delivery, and working with partners. **Close date Feb 29.** [Info](#)

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



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