



GDPE Weekly Digest



December 7, 2020 - From Your Admin Team

Dear all,

Last Thursday we had a great panel discussion with 6 GDPE graduates, and heard about their career paths. We will be sending out a survey shortly to find out how that went for those who attended, and how to expand the program to include those who didn't attend this time around. Keep an eye out for that!

Biology professor Melinda Smith is the inaugural editor-in-chief of a new and much-needed journal: [Climate Change Ecology](#). Congratulations, Mendy!!

Please check out the listing of Spring 2021 ECOL courses below.

Best,

~Your Admin Team

Get to Know GDPE: Agricultural Biology

To acknowledge the outstanding people throughout our program and foster the GDPE community across campus, we would like to highlight a researcher and student from different departments every month.

This month, we are focusing on Agricultural Biology! Learn more about [past highlighted GDPE members](#).

3 QUESTIONS WITH

Jane Stewart
Agricultural Biology



PLEASE DESCRIBE YOUR RESEARCH IN 5 WORDS OR LESS

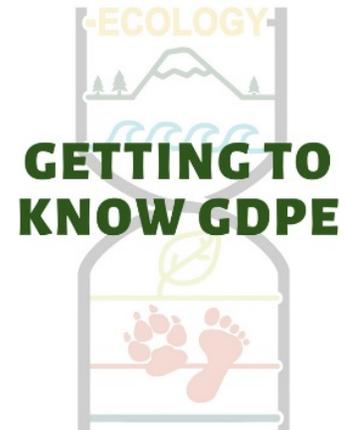
Characterizing tree fungal plant pathogens

WHAT IS AN EXCITING OR INTERESTING PAPER/ARTICLE YOU'VE READ RECENTLY?

Hartmann et al. 2018. Research frontiers for improving our understanding of drought-induced tree and forest mortality. *New Phytologist*. Under changing climates, native pathogens and insects are now becoming native-invasive threats in our forests.

WHAT PIECE OF ADVICE HAVE YOU RECEIVED DURING YOUR CAREER THAT HAS ALWAYS STUCK WITH YOU?

Strive to learn from all around you, no matter their status (undergraduate, graduate, research associate or faculty)).



3 QUESTIONS WITH

Patrick Woods
Agricultural Biology



PLEASE DESCRIBE YOUR RESEARCH IN 5 WORDS OR LESS

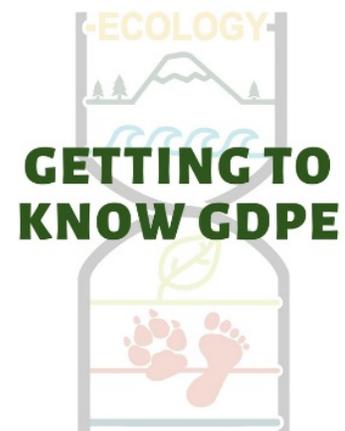
Evolutionary Genetics of Crop Species

WHAT IS AN EXCITING OR INTERESTING PAPER/ARTICLE YOU'VE READ RECENTLY?

The Genomics of Cannabis and Its Close Relatives. Kovalchuk et al. 2020.

WHAT PIECE OF ADVICE HAVE YOU RECEIVED DURING YOUR CAREER THAT HAS ALWAYS STUCK WITH YOU?

Early in grad school, my advisor gave me a book called "Do not be worried and you will not make mistakes". He then said "I believe the inverse of that title is also true".



The Front Range Student Ecology Symposium needs your presentation!

FRSES is a student-run symposium that provides an opportunity for Front Range students doing research in ecology to showcase their work and network in a friendly and supportive peer environment.

This year's conference will be held virtually Wednesday - Friday, March 3-5, 2021. Oral presentations may be scheduled on any of those days. Poster presentations will be submitted prior to the conference through iPoster and will be available throughout and after the conference. You can present your research at any stage of development, from proposed to completed research.

We have limited capacity this year for both oral and poster presentations. We will consider abstracts on a first-come-first-served basis. Submission before the deadline will increase your chances of being accepted.

Abstracts will be accepted until December 15, 2020 at 5pm and are limited to 1350 characters. Follow this [link](#) to submit an abstract.

If you have questions about FRSES or submitting your abstract, please email ecosym@rams.colostate.edu.

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

[Submit Photos](#)

COURSES

GDPE Spring 2021 Courses

- ◆ ECOL 571 Distinguished Ecologist Seminar Series and Discussions (TBA): CRNs: 13135, 13136, **Credit: 1**
Important Note: *Because of the pandemic, both the PhD and MS sections will be 1 credit only, and will count as fulfilling the respective requirements. Please register for 1 credit only!*
 - ◆ ECOL592 001 "Food Systems " (Dr. Meaghan Schipanski) CRN: 10126, **Credits: 1** *Please register for 1 credit only.*
 - ◆ ECOL592 003 "Ecological Science Writing " (Drs. Kate Huyvaert, Kevin Bestgen) CRN: 15033, **Credits: 1** *Please register for 1 credit only.*
 - ◆ ECOL 600 Community Ecology (Dr. Melinda Smith) CRN: 13502, **Credits: 3**
 - ◆ ECOL620 Applications in Landscape Ecology (Dr. Kyle Horton) CRN: 17249, **Credits: 4**
 - ◆ ECOL 693 001 Research Seminar - oral presentations (Dr. Alan Knapp) CRN: 13142, **Credits: 1**
 - ◆ ECOL 693 002 Research Seminar - proposal writing (Dr. Saran Twombly [Hufbauer is instructor of record on the CSU system]) CRN: TBA, **Credits: 1**
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All paperwork: Please email forms to Dawn at ecology@colostate.edu to 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 ExCom Student Representatives, [Katie Rocci](#) and [Dani Lin Hunter](#) 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'd be happy to help highlight your research!

[General Student Resources](#)
[COVID Resources for Grad Students](#)
[CSU COVID Recovery Resources](#)

GRANTS & JOBS

Assistant Program Manager

Application due date: December 14

This Research Associate II position is specifically tasked with contributing to a program of work that advances collaborative forest restoration, integrated natural resource planning, and wildfire risk mitigation decision-making in Colorado and the Interior West with spatial data production, management, modeling, analysis, and communication. The incumbent will be responsible for spatial data production using remote sensing and field-based technologies (GPS), spatial data management, spatial analysis to support science and planning initiatives, and written and oral communication of spatial data and results of spatial analyses to diverse audiences. Download announcement [here](#).

Research Associate

Application due date: December 20

One Research Associate is needed to help coordinate and implement research, teaching, and engagement activities for an applied wildlife research laboratory in the Department of Fisheries and Wildlife at Michigan State University. The Research Associate will assist with advising and supporting graduate students, engaging undergraduate researchers in lab activities, producing scholarship in the form of publications and presentations in support of the lab, and coordinate field sampling logistics. Download announcement [here](#).

Postdoc Statistical Ecologist

Application due date: December 21

The postdoctoral fellow will work with Prof. Mevin Hooten at CSU and collaborators at the Bird Conservancy of the Rockies and Oregon State University to develop statistical models that integrate several data sources and improve our understanding of Lesser Prairie-Chicken populations. Download announcement [here](#).

Natural Recourse Economist

Application due date: January 1

The USGS Wetland and Aquatic Research Center seek a Natural Resource Economist for a Mendenhall Fellow (4-year appointment) to collaborate with USGS scientists researching invasive species and other conservation and restoration issues. The Fellow's research would focus on the valuation of natural resources and ecosystem services impacted by invasive species and the cost and benefits of management actions. The research should combine natural resource economics, ecological modeling, and decision theory to support management decisions pertaining to the prevention, control, eradication, and monitoring and impacts of invasive species. Download Announcement [here](#).

Postdoctoral Fellow

Application due date: January 3

Colorado State University is seeking candidates for a postdoctoral position to develop models that integrate the population dynamics of fish species with bioenergetics and other trophic levels. The primary objectives for this post-doctoral position are to Assess the survival, growth and consumption of humpback chub, flannelmouth sucker, and rainbow trout at fixed sites in the Grand Canyon as a function of biotic and abiotic factors, develop an integrated model of rainbow trout movement in the Colorado River, as a function of environmental covariates including food availability, from capture, catch-per-unit-effort, and mark-recapture data, and develop a modeling framework for an integrated population and food web model that combines vertebrate population dynamics with dynamics at lower trophic levels. Download announcement [here](#).

[Submit Job Announcement](#)



GRADUATE DEGREE
PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY

