



April 3, 2023

Happy Monday, GDPE Community! I hope you all found some time to enjoy the beautiful weather this past weekend.

This week we have our final DE speaker of the semester, Dr. Christopher Schell, on Wednesday from 4-5PM in Biology 136 (more details below). Chris completed his post-doc from CSU in 2018, and we're happy to have him back to share more about his research on how environmental injustices have shaped urban ecosystems. If you can't make it to the seminar on Wednesday, we hope to see you at his host's reception Thursday evening (details sent from Dr. Sara Bombaci).

I also wanted to give a shout-out and congratulations to the following for their outstanding achievements. GDPE is lucky to have you as part of our community!

- Dr. Kim Hoke: College of Natural Sciences Professor Laureate Award recipient
- Dr. Jennifer Neuwald: Provost Teaching Scholar
- Elizabeth Diaz-Clark: NSF GRFP recipient
- Front Range Student Ecology Symposium: CSU Program of the Year Finalist

Hope you all have a great week!

Best,
Josie Otto



GDPE EVENTS & ANNOUNCEMENTS

**SPRING 2023
DISTINGUISHED
ECOLOGIST
SEMINAR**

"Between the lines: Redlining impacts wildlife, society, and the environment"

5 April 2023 4:00pm Biology 136

Coffee and Tea at 3:30pm in Biology 136
Reception at 5:00pm in the Biology 3rd Floor Atrium

CHRISTOPHER SCHELL
University of California - Berkeley
Assistant Professor in the Dept. of
Environmental Science, Policy, and
Management

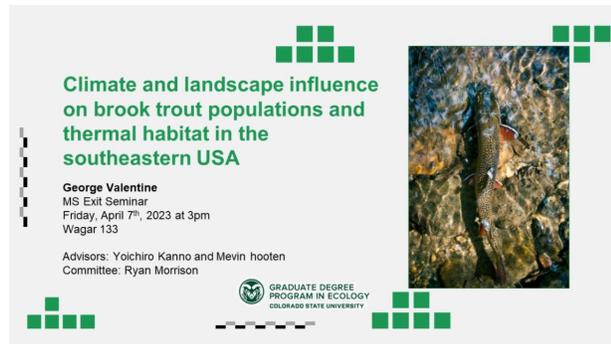
GDPE Distinguished Ecologist Seminar

Please join GDPE in welcoming our **Rising Star Distinguished Ecologist, Dr. Christopher Schell** for his talk "Between the lines: Redlining impacts wildlife, society, and the environment".

The seminar will be held this **Wednesday, April 5** at 4:00pm in Biology 136. Refreshments will be served outside Biology 136 from 3:30-4:00pm. There will be a reception directly following the seminar at 5:00pm in the Biology Building 3rd Floor Atrium. We hope to see you all there!

GDPE Event Calendar

STUDENT DEFENSES



Climate and landscape influence on brook trout populations and thermal habitat in the southeastern USA

George Valentine
MS Exit Seminar
Friday, April 7th, 2023 at 3pm
Wagar 133

Advisors: Yoichiro Kanno and Mevin hooten
Committee: Ryan Morrison

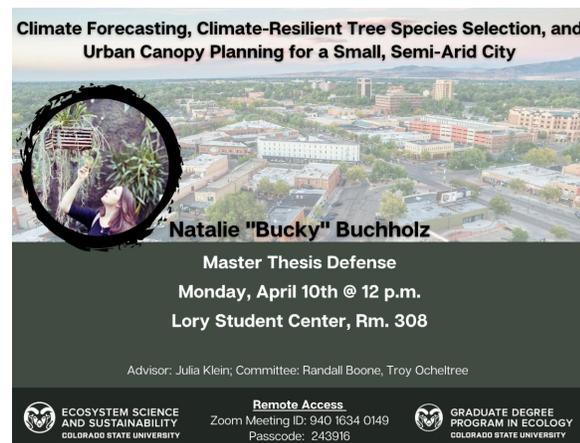
GRADUATE DEGREE PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY

MS Defense Seminar
George Valentine
Climate and landscape influence on brook trout populations and thermal habitat in the southeastern USA

April 7, 2023
3-4 PM MST
Wagar 133
Teams [Link](#)

M.S. Defense Seminar
Natalie "Bucky" Buchholz
Climate Forecasting, Climate-Resilient Tree Species Selection, and Urban Canopy Planning for a Small, Semi-Arid City

April 10, 2023
12 PM MST
Lory Student Center Room 308
Zoom ID in flier



Climate Forecasting, Climate-Resilient Tree Species Selection, and Urban Canopy Planning for a Small, Semi-Arid City

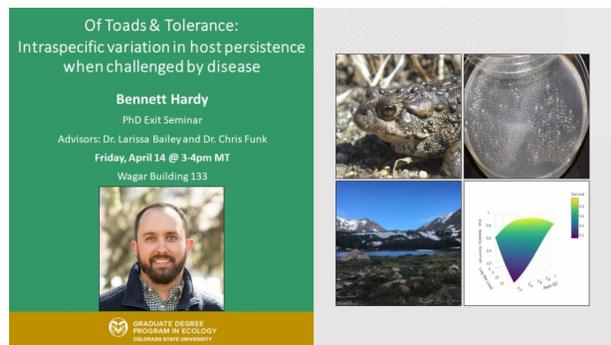
Natalie "Bucky" Buchholz
Master Thesis Defense
Monday, April 10th @ 12 p.m.
Lory Student Center, Rm. 308

Advisor: Julia Klein; Committee: Randall Boone, Troy Ocheltree

Remote Access
Zoom Meeting ID: 940 1634 0149
Passcode: 243916

ECOSYSTEM SCIENCE AND SUSTAINABILITY
COLORADO STATE UNIVERSITY

GRADUATE DEGREE PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY



Of Toads & Tolerance: Intraspecific variation in host persistence when challenged by disease

Bennett Hardy
PhD Exit Seminar
Advisors: Dr. Larissa Bailey and Dr. Chris Funk
Friday, April 14 @ 3-4pm MT
Wagar Building 133

GRADUATE DEGREE PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY

Ph.D. Defense Seminar
Bennett Hardy
Of Toads and Tolerance: Intraspecific variation in host persistence when challenged by disease

April 14, 2023
3-4 PM MST
Wagar 133

DEADLINES

Graduate School

If you plan on celebrating at the Graduate School Commencement Ceremony on May 12, you may order your cap, gown, and tassel in advance online via the [University Commencement webpage](#). The deadline for ordering regalia is **March 28**. Please visit the [Graduate School](#)

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

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

ECOLOGY & CSU EVENTS

Inclusive STEM Teaching Project

The Inclusive STEM Teaching Project is designed to advance the awareness, self-efficacy, and ability of STEM faculty, postdocs, graduate students, and staff to cultivate inclusive learning environments for all their students and to develop themselves as reflective, inclusive practitioners. Sessions will be held on **Mondays March 6 - April 17** from 4:30-6. Learn more and register [here](#).

Department of Biology Seminar: Exploring Local and Global Patterns of Intraspecific Trait Variation in Grasses

Join the Department of Biology on **April 4th** for a seminar presentation with Robert Griffin-Nolan (GDPE alum) from Santa Clara University! He will be presenting on "Exploring Local and Global Patterns of Intraspecific Trait Variation in Grasses" at 4pm in Biology 136. Please see the attached flyer for more details and feel free to scan the QR code or follow the links here for [Griffin-Nolan's full abstract](#) and more [information on Biology seminars](#).

Snack and drinks will be provided.



BIOLOGY
COLORADO STATE UNIVERSITY

EXPLORING LOCAL AND GLOBAL PATTERNS OF INTRASPECIFIC TRAIT VARIATION IN GRASSES

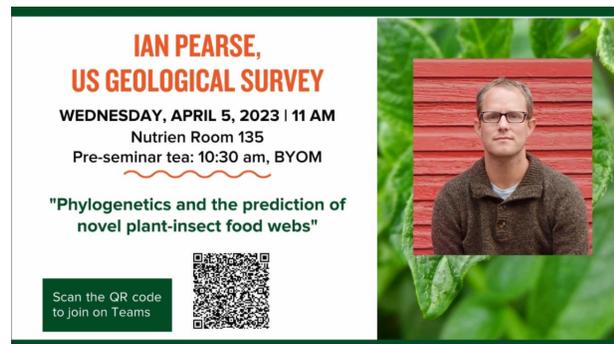
Tuesday, April 4th
4:00 PM - 5:00 PM
Biology 136

Speaker:
Robert Griffin-Nolan
Postdoctoral Fellow
Santa Clara University

Host:
Alan Knapp

Scan the QR code for more information on our seminars

Join us on Zoom



IAN PEARSE,
US GEOLOGICAL SURVEY

WEDNESDAY, APRIL 5, 2023 | 11 AM
Nutrien Room 135
Pre-seminar tea: 10:30 am, BYOM

"Phylogenetics and the prediction of novel plant-insect food webs"

Scan the QR code to join on Teams

Ecology talk: Phylogenetics and the prediction of novel plant-insect food webs
Ian Pearse, USGS and GDPE, will be talking about "Phylogenetics and the prediction of novel plant-insect food webs" Wednesday, **April 5th** at 11:00 in Nutrien Room 135.

Professor Laureate Awards and Lecture

GDPE and Biology faculty member Dr. Kim Hoke was selected as one of the 2023 College of Natural Sciences Professor Laureate Award recipients.

Join us to honor her achievement on Monday, **April 10th** from 4-6 pm in the LSC Long's Peak Room.



You're invited!

WHEN:
Monday, April 10th, 2023
4:00 - 6:00 PM

WHERE:
LSC - Long's Peak Room
Reception to follow

PROFESSOR LAUREATE AWARDS AND LECTURE

Kim Hoke, Professor, Department of Biology

With lecture from **Kim Hoke: Flexibility in Development and Evolution**
How genetic, developmental and neural mechanisms shape behavioral diversity. Examining variation in social and anti-predator behaviors to address how proximate mechanisms shape evolutionary processes.
Use this link to join the webinar: <https://zoom.us/j/9877282143>

Rachel Pries, Professor, Department of Mathematics

Questions? Contact the Dean's Office at (970) 491-1300 or cns_info@mail.colostate.edu

COLLEGE OF NATURAL SCIENCES
COLORADO STATE UNIVERSITY

Interdisciplinary Seminar: Land Use and Land Cover Change- Data Products, Driving Factors, and Impacts

Each spring semester, the Department of Forest and Rangeland Stewardship, the Department of

Ecosystem Science & Sustainability, and the Graduate Degree Program in Ecology host interdisciplinary seminars that are open to interested visitors. For 2023, the theme for the seminars is “Sustaining Socio-Ecological systems into the Future: Adapting our Natural Resource Management to a Changing Climate”.

Their next seminar will take place on **Wednesday, April 12th** in Natural Resources Room 345. Xiangming Xiao, Professor in the Department of Microbiology and Plant Biology and Director at the Center for Earth Observation and Modeling at the University of Oklahoma, will give a talk on "*Land Use and Land Cover Change: Data Products, Driving Factors, and Impacts*". More information can be found [here](#).

PLANT ADAPTATION *Vision Talks*

Improving plant adaptation to meet society's need for more productive, sustainable and resilient agriculture.

Plant adaptation research serves applications like crop breeding, conservation, and invasive species management. With a growing population and changing climate, understanding and utilizing plant adaptation is more important than ever.

To spark discussion and catalyze connections, the College of Agricultural Sciences will host a series of lectures from global thought leaders who are using innovative approaches to make greater progress in plant adaptation and genetics.

Plant Success: Effective Translation from Natural to Agricultural Systems

Mark Cooper, Deputy Director, Centre of Excellence for Plant Success in Nature and Agriculture, Queensland University
March 30, 2023 | 4 p.m. | Biology room 136

A Genome-Level Approach to Balancing the Micronutrient Content of Maize Grain

Mike Gore, Cornell University
April 12, 2023 | 11 a.m. | Nutrien room 135

Learning via Radical Collaborations and Transdisciplinary Science

Susan McCouch, Director, CROPPS Center, Cornell University
April 19, 2023 | 10 a.m. | Behavioral Sciences room 103

We hope you can join us for these vision talks, which have been coordinated by faculty in the planned Institute for Plant Adaptation – a new initiative under development at Colorado State University aligning the best academic plant science with industry priorities in a positive feedback loop. [Learn more](#).



College of Agricultural Sciences: Plant Adaptation Vision Talks

Plant adaptation research serves applications like crop breeding, conservation, and invasive species management. With a growing population and changing climate, understanding and utilizing plant adaptation is more important than ever.

To spark discussion and catalyze connections, the College of Agricultural Sciences will host a series of lectures from global thought leaders who are using innovative approaches to make greater progress in plant adaptation and genetics.

The next two seminars will take place on April 12 and 19. See the flier or [click here](#) for more details.

Department of Biology Seminar: Extreme Physiology and the Mechanisms of Adaptation to High Altitude

Join the Department of Biology on **April 18th** for a seminar presentation with Jonathan Velotta from the University of Denver! He will be presenting on “*Extreme Physiology and the Mechanisms of Adaptation to High Altitude*” at 4pm in Biology 136. Please see the attached flyer for more details and feel free to scan the QR code or follow the links here for [Velotta's full abstract](#) and more [information on Biology seminars](#).

Snack and drinks will be provided.



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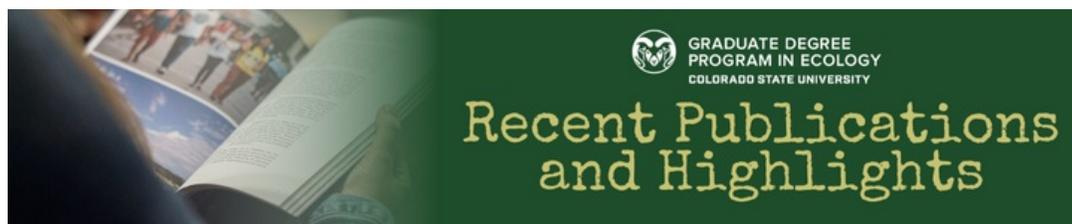
EXTREME PHYSIOLOGY AND THE
MECHANISMS OF ADAPTATION TO
HIGH ALTITUDE

Tuesday, April 18th
4:00 PM - 5:00 PM
Biology 136

Speaker:
Dr. Jonathan Velotta
Assistant Professor
Department of Biological Sciences
University of Denver

Host:
Cole Deal

Scan the QR code for
more information on
our seminars

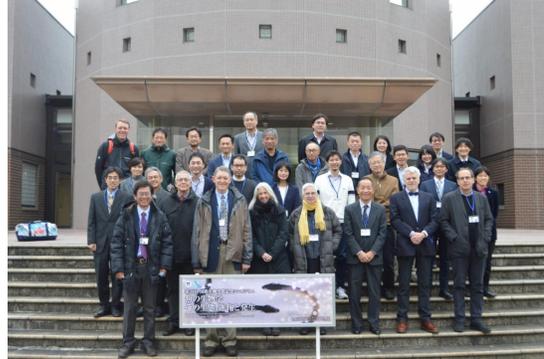


[FWCB professor emeritus honors Japanese colleague in winning International Prize for](#)

Biology

GDPE and FWCB professor emeritus, Kurt Fausch, was given the honor of speaking on behalf of his friend and colleague, Katsumi Tsukamoto, for winning the 38th International Prize for Biology. This prestigious prize is awarded to individuals who have made an outstanding contribution to the advancement of biology research.

Click the link above to read more about the work of Fausch and Tsukamoto.



Speakers at the symposium for the 38th International Prize for Biology, honoring Katsumi Tsukamoto. Taken from [article](#) by Jennifer Hitt.

Let us know about your recent publications!

We are trying to highlight the great and diverse science that our faculty and students are doing. If you have recently published an article, please fill out the form linked below and our SciCom Fellow, [Josie Otto](#), will add you to our new Recent Publications section above. We can also feature your work on our website!

Please note that inclusion of events and publications in the Digest is not an endorsement by GDPE

Share your Recent Publication or Research Highlight

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, [Mel Morado](#) and [Erin Weingarten](#) to provide your feedback.

Stay in touch by tagging GDPE in your posts and photos on Twitter (@CSU_Ecology) and Instagram (@CSU_GDPE). Use hashtags #GDPE and #CSU_Ecology. We'd be happy to help highlight your research!

GDPE Social Listserv - Please make sure to sign up [here](#) for the GDPE Social Listserv to keep up with all the fun events we have planned this year!

GDPE Slack Channel - Join our GPDE Slack channel [here](#).

Submit Photos

We want your photos! What are you up to, how is your field and lab work? Share them with us here.

GRANTS, FELLOWSHIPS, & JOBS

2023-24 Sustainability Curriculum Innovation Grants

Deadline April 5

The [School of Global Environmental Sustainability](#) (SoGES) is now accepting proposals for Fall 2023 Sustainability Curriculum Innovation Grants. These grants are created in partnership with the

With these grants, CSU faculty can develop creative approaches that integrate interdisciplinary sustainability content into existing and new coursework. They elevate both the quality and quantity of student exposure to complex sustainability concepts.

Proposals are invited from all colleges and disciplines at CSU, and grants can be used to modify existing courses or to develop entirely new courses. **Awards will be up to \$5,000 each for individual proposals and up to \$10,000 each for team proposals.** Funds will be available beginning July 1, 2023 and must be spent by May 2024.

Scholar-in-Residence: Research in the Rockies

Deadline April 15

The Rocky Mountain Conservancy (RMC) and Rocky Mountain National Park (RMNP) Continental Divide Research Learning Center (CDRLC) is excited to announce the Scholar in Residence Program. This program follows the tradition of connecting scholarly and scientific experts in their field to the community and educational programming in our National Parks. This initiative allows a scholar to live and conduct research in Estes Park, Colorado near RMNP. Financial support gives scholars the opportunity to be creative, productive, and successful in conducting research or observations that are uniquely connected to RMNP. **The Scholar-in-Residence Program supports 5 months of field research and occurs annually from June 1 - October 1.** Please see the [CDRLC webpage](#) or [RMC webpage](#) for more information and application instructions.

[Submit Job Announcement](#)



**GRADUATE DEGREE
PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY**



CSU Graduate Degree Program in Ecology | Colorado State University, Johnson Hall rm 102,
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