

Department of Ecology and Evolutionary Biology
University of Colorado Boulder

Commencement Recognition Ceremony
May 16, 2020
3 PM MST



Schedule of Events

Introduction and Welcome by EBIO Chair, Professor M. Deane Bowers	3:00
Commencement Address by Professor Mike Breed	3:10
Awards recognition, Honors Student Research and Degree Recognition	3:25

Awards

General Biology TA Award

Christa Torrens

Excellence in Teaching Awards

Irfan Alam, Matt Bitters, Erik Funk, Hannah Fredrick, Chloe Garfinkel, Angela Theodosopoulos, and Aaron Westmoreland

Mel Cundiff Endowments

Avani Fachon, Jordan Lee, Austin Nash, and Georg Roberts

Social Media

We would love to have you stay connected with EBIO! Connect with current students and alumni on our social channels. <https://www.colorado.edu/ebio/social-media>



Facebook
EBIO Club



Instagram
@cu.ebio



LinkedIn
Group

EBIO Department Faculty & Research Interests

More details may be found on our website: <http://www.colorado.edu/ebio/professors>

William W. Adams III
Professor

Plant ecophysiology, photosynthesis, environmental stress, phloem structure & function.

Nichole Barger
Associate Professor

Soil biogeochemistry, dendrochronology, forest ecology, management and restoration of aridland ecosystems.

M. Deane Bowers
Professor, Curator of Entomology

Insect ecology and evolution, plant-animal interactions, chemical ecology.

William D. Bowman
Professor, Director MRS

Plant ecology, alpine ecosystem science, plant-soil and plant-plant interactions.

Lisa Corwin
Assistant Professor

Teaching and learning of ecology and evolution, student identity and learning and persistence in scientific fields.

Kendi Davies
Associate Professor

Spatial dynamics of communities and populations, invasion, extinction, grasslands, microcosms, habitat fragmentation.

Laura Dee
Assistant Professor

Preservation of natural systems and biodiversity, continued provision of ecosystem services under global change.

Barbara Demmig-Adams
Professor

Plant ecophysiology, photosynthesis, mechanisms of plant stress adaptation.

Nancy Emery
Associate Professor

Population biology, community ecology, and evolutionary biology—understanding how plants adapt & persist in a changing world.

Luke Evans
Assistant Professor

Population and quantitative genetics, adaptation, human behavior and complex traits.

Noah Fierer
Professor

Soil ecology, microbial ecology, role of microorganisms in terrestrial ecosystems.

Samuel Flaxman
Associate Professor

Causes and consequences of predator-prey interactions at multiple spatial and temporal scales.

Pieter Johnson
Professor

Ecology of biological change, esp. invasive species & emerging diseases; aquatic ecology & evolution; conservation biology.

Nolan C. Kane Assistant Professor	Evolutionary genomics of adaptation, speciation, hybridization, domestication, and invasion.
Patrick Kocielek Professor, Curator of Diatoms	Taxonomy, systematics and evolutionary history of diatoms, diatoms and water quality, aquatic ecology.
William M. Lewis, Jr. Professor	Limnology, ecology and evolution of aquatic plants with emphasis on phytoplankton.
Jingchun Li Assistant Professor, Curator of Invertebrates	Invertebrate evolution, biodiversity, symbiosis, marine biology and functional genomics
Andrew Martin Professor	Evolutionary and conservation biology, microbial diversity, biogeography.
Andrew McAdam Associate Professor	Behavioral ecology, evolutionary ecology, plant-animal interactions, physiological ecology, pulsed resources.
Christy McCain Associate Professor, Curator of Vertebrates	Community ecology, montane ecology, climate change, vertebrate population and conservation biology, biogeography.
Valerie McKenzie Associate Professor	Parasitology, disease ecology, amphibian declines, herpetology, wildlife conservation, land use change, invasive species.
Daniel Medeiros Associate Professor	Developmental & genetic bases of vertebrate evolution, developmental gene regulation, evolution of vertebrate head skeleton.
Brett Melbourne Associate Professor	Mathematical ecology of populations and communities, biodiversity, conservation, invasion, extinction.
Alisha Quandt Assistant Professor	Mycology, evolution, fungal genomics and systematics, microbe-microbe interactions, insect-pathogenic fungi interactions
Julian Resasco Assistant Professor	Landscape connectivity/corridors, habitat fragmentation, plant-pollinator networks, insect community ecology and conservation
Rebecca Safran Associate Professor	Behavior, morphology, and physiology; population patterns; social and genetic structure; population stability; species boundaries.
Steven K. Schmidt Professor	Microbial ecology, plant/microbe interactions, biogeochemistry, mycorrhizae.

Stacey Smith
Associate Professor

Evolutionary genetics, molecular phylogenetics, plant-pollinator interactions, comparative methods.

David Stock
Associate Professor

Developmental genetic mechanisms of the evolution of teeth in fishes.

Katharine Suding
Professor

Community ecology, restoration, invasion, environmental change, alpine and grasslands.

Scott Taylor
Assistant Professor

Hybridization, speciation, evolutionary ecology, and population genomics (primarily of birds).

Erin Tripp
Associate Professor,
Curator of Botany

Plant systematics and evolution, lichen biodiversity, tropical biology, molecular evolution.

Merritt Turetsky
Associate Professor,
INSTAAR Director

Ecosystem ecology, disturbance ecology including wildfire, carbon and nutrient biogeochemistry

Carol A. Wessman
Professor

Landscape and regional ecology, disturbance, land-use/land-cover change, remote sensing/GIS.

EBIO Instructors

John Basey
Harrison Carpenter
Stephanie Mayer
Stephanie Renfrow
Derek Sweeney

Undergraduates – Honors Theses

Elaine Bach

summa cum laude

Abundance of Arbuscular Mycorrhizal Fungi in Organic Farmland, Conventional Farmland and Secondary Forest.

Advisor: Prof. Barbara-Demmig-Adams

Johanna Beam

magna cum laude

*An examination of genomic and acoustic differentiation between Eastern, Lillian's, and Western Meadowlarks (*Sturnella magna*, *S. m. lillianae*, and *S. neglecta*).*

Advisor: Prof. Scott Taylor

Katherine Feldmann

summa cum laude

Achromatic plumage is morphologically distinct between sexually monochromatic chickadees.

Advisor: Prof. Scott Taylor

Christopher Greidanus

summa cum laude

Experimental Evaluation of Salinity Tolerance in Euryhaline and Freshwater Cyanobacteria.

Advisor: Prof. Boswell Winger

Kevin Headrick

summa cum laude

Understanding the Traits That Influence Herbivory on Switchgrass.

Advisor: Prof. Barbara Demmig-Adams

Sage Madden

summa cum laude

*Examining the Effects of Brood Size on Parent Provisioning and Foraging Behavior: A Field Experiment in Barn Swallows (*Hirundo rustica erythrogaster*).*

Advisor: Prof. Rebecca Safran

Micaela Seaver

summa cum laude

The effects of shrubs on the flowering phenology of alpine species.

Advisor: Prof. Katherine Suding

Stine Skalmerud

cum laude

Microclimate Effect on Timing of Leaf and Flower Emergence in Malus Spring Snow.

Advisor: Prof. Carol Wessman

Undergraduates

Emma Ahern
Hannah Allen
Luis Allende
Samantha Amato
Nora Apelgren
Jacob Appel
Matthew Arnold
Eliane Bach
Thomas Bakos
Qinxin Bao
Blake Barger
Hannah Barr
Brendan Bauer
Johanna Beam
Sarah Becker
Duncan Birkwood
Abigail Blake
Thomas Blanchard
Nathan Blasdel
Maggie Boyer
Nicholas Boyne
Bailey Bradburn
Elizabeth Buhr
Kelly Castañeda-Carbajal
Lauren Castanon
Michael Catchen
Hope Clarke
Andrea Clement
Sarah Colbert
Jamie Cooney
Ren Cotter
Jodi Couillard
Savana Dehning
Madison DeMartini
Caleigh DeWitt
Matthew Deyoe
Jacob Di Biase
Isaac Dickerson
Anne Dickson
Alexander Ditto
Lauren Doughty
Alexis Drevetcki
Sharif Durzi
Bryar Edwards

Madeline Fair
Katherine Feldmann
Adriana Flowers
Jan Garcia
Natalie Garcia Romero
Delaney Gardner-Sweeney
Kelsie Gering
Elizabeth Gervais
Gabrielle Glime
Noah Goodkind
Kevin Graine
Noa Greenwald
Jesse Greer
Christopher Greidanus
Jan Griessmann
Jacklyn Gunn
Madeline Haider
Halley Herbst
Aaron Higa
William Hinkley
Brittany Hobbs
Aspen Ishii
Michaela Jackson
Rachel Jans
Caroline Jones
Eliza Jones
Kayla Jones
Kenneth Keller
Patrick Kenney
Lindsey Kenyon
Victoria Klimuk
Grace Kuo
Brittney Lafond
Kellie Lam
Alejandra Lanton
Jake-Ryan Lapp
Spencer Llerandi
Maegan Loose
Paige Lucas
Riley Maloy
Karina Mann
Joseph Martinez
Guillermo Martinez Gonzalez
Claire Mastrangelo

Katherine McCarthy
Justine Meese
Alexis Milan
Alexa Miller
Mackenzie Miller
Samah Mohamed
Victoria Morales
Alyssa Morris
Lisa Natale
Cecily Nordstrom
Vitor Pagano
Ryan Palandeng
Christopher Pascale
Rachel Patch
Jaime Paterson
Emiko Patterson
Katherine Patterson
Haven Perconti
Elaine Perry
Bret Pilkington
Nitsa Platis
Kristen Plonsky
Brigg Reimers
David Ruin
Evelyn Schachter
Lindsey Schellenger
Micaela Seaver
Yara Sekrieh
Lauren Shepherd
Brianna Shriner
Thomas Silliman
Stine Skalmerud
Hannah Smith
Cassandra Sprong
John Starkey
Anna Tracey
Sallie Tucker
Benjamin Turker
Jacob Unger
Sophia Updike
Erica Ursich
Jordan Valdez
Benjamin Van Huffel
Sabela Vasquez-Rey

Madison Vigil
Kyle Wager
Brianna Wall
Cole Wantland
Edwin Weaver
Andrew Weier
Brian Weinberger
Aidan Welby
Emily Werman
Jillian Wetzel
Ashley Zhivotovsky
Yin Zhou