

**DIANA M. OLIVERAS, Ph.D.**  
*Curriculum vitae*

Environment and Natural Sciences Residential Academic Program (ENS RAP) at Baker Hall  
University of Colorado, Boulder, Colorado 80309-0176  
Diana.Oliveras@colorado.edu

**EDUCATION**

Ph.D., Biology, University of New Mexico, 1991

Dissertation: "Natural and sexual selection: using a *Drosophila melanogaster* model system to investigate the nature of their interaction"

Areas of study: sexual selection, population genetics, mating behavior

Advisors: William R. Rice, Diane L. Marshall

M.S. Zoology, University of Massachusetts, 1984

Thesis: "A comparison of paternal behavior in the meadow vole (*Microtus pennsylvanicus*), the pine vole (*M. pinetorum*) and the prairie vole (*M. ochrogaster*)"

Areas of study: parental behavior, mating systems

Advisor: Melinda Novak

B.A., Department of Biology, Department of Psychology, Dickinson College, 1980

Dual degrees in Biology and Psychology

**PROFESSIONAL POSITIONS**

April 2023 - present	Teaching Associate Professor, Environment and Natural Sciences (ENS, formerly Baker) RAP University of Colorado Boulder
September 2018-2023	Associate Director, Baker/ENS RAP University of Colorado Boulder
January-May 2022	Faculty Fellow, Peer Mentoring Program, Arts and Sciences Support of Education Through Technology (ASSETT), Center for Teaching and Learning University of Colorado Boulder
August-December 2021	Faculty Fellow, Learning by Design, Arts and Sciences Support of Education Through Technology (ASSETT), Center for Teaching and Learning University of Colorado Boulder
2013-2020, 2024	Instructor, Health Professions (HP) RAP University of Colorado Boulder
1995, 1996-present	Instructor, Baker RAP University of Colorado Boulder
2010-2023	Instructor, Sewall RAP University of Colorado Boulder

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2010-2013	Instructor, Farrand RAP University of Colorado Boulder
2009-2017	Treasurer, Boulder Colorado chapter of Sigma Xi
2008	Assistant to the Treasurer, Boulder Colorado chapter of Sigma Xi
Summer 2005, 2006	Interim Director, Baker RAP University of Colorado Boulder
1991-1995	Laboratory Specialist University of Virginia
1991-1992	Visiting Research Scholar University of Virginia
1990-1991	Ford Foundation Doctoral Fellow
1986, 1988-1990	Research Assistant, Biology Department University of New Mexico Albuquerque
1987	Teaching Assistant, Biology Department University of New Mexico Albuquerque
1984-1985	Research Technician, Zoology Department University of Massachusetts, Amherst
1984	Coordinator, Introductory Zoology labs University of Massachusetts, Amherst
1981-1984	Teaching Assistant, Zoology Department University of Massachusetts, Amherst
1977-1980	Teaching Assistant, Psychology Department Dickinson College

## PUBLISHED PAPERS

Kearns, CA, **DM Oliveras**, C Lay. 2017. Monitoring the conservation status of bumblebee populations across an elevational gradient in the Front Range of Colorado. *J Insect Conservation* 1-10. DOI: 10.1007/s10841-017-9954-6 <http://link.springer.com/article/10.1007/s10841-017-9954-6>

Kearns, CA and **DM Oliveras**. 2009. Environmental factors affecting bee diversity in urban and remote grassland plots in Boulder, Colorado. *J Insect Conservation* 13:655-665.

Kearns, CA and **DM Oliveras**. 2009. Boulder County bees revisited: a resampling of Boulder Colorado bees a century later.. *J Insect Conservation* 13:603–613.

Kearns, CA in collaboration with **DM Oliveras** and BF Forrest. 2007. solicited Case Study for the State of the World's Pollinators Report; United Nations Conservation on Biological Diversity. Invited by the International Pollinators initiative. Title: The effects of urbanization on pollinator abundance and diversity. <http://www.fao.org/ag/AGP/AGPS/Default.htm> under C-Cap group pollinators Case Studies.

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Marshall, DL, J. Reynolds, NJ Abrahamson, HL Simpson, MG Branes, JS Medeiros, S Walsh, **DM Oliveras**, JJ Avritt. 2007. Do differences in plant and flower age change mating patterns and alter offspring fitness in *Raphanus sativus* (Brassicaceae)? American Journal of Botany 94(3) 409-418.

Marshall, DL and **D Oliveras**, 2001. Does differential seed siring success change over time or with pollination history in wild radish, *Raphanus sativus* (Brassicaceae). American Journal of Botany. 88(12): 2232-2242.

Smits, A, W Burggren & **D Oliveras**. 2000. Developmental changes in *in vivo* cardiac function in the moth, *Manduca sexta*. Journal of Experimental Biology. 203: 369-378.

Marshall, DL & **DM Oliveras**. 1990. Is regulation of mating within branches possible in wild radish (*Raphanus sativus* L)? Functional Ecology 4:619-627.

Karron, JD, DL Marshall & **DM Oliveras**. 1990. Numbers of sporophytic self-incompatibility alleles in populations of wild radish. Theoretical and Applied Genetics 79:457-460.

**Oliveras, DM** & MA Novak. 1986. A comparison of paternal behaviour in the meadow vole (*Microtus pennsylvanicus*), the pine vole (*M. pinetorum*) and the prairie vole (*M. ochrogaster*). Animal Behaviour 34:519-526.

**Oliveras, DM** & MA Novak. 1984. Paternal behavior as an indicator of social organization in *Microtus pennsylvanicus*, *M. pinetorum* and *M. ochrogaster*. Proceedings of the Eighth Eastern Pine and Meadow Vole Symposium PP 61-72.

## CONFERENCE PRESENTATIONS

Louie, D, **D Oliveras**. Active Learning in Small-Sized RAP Science Courses Improves Student Satisfaction and May Promote Retention. Active Learning Symposium. Presented by Dr. D. Louie. 2024.

Jobin, N, S Dike, G Siergiejczk, D Snyder with E Anderman, **D Oliveras**, and M Zerella. Transformation Through Community in Residential Academic Programs (RAPs). Accelerating Systematic Change Network (ASCN) Transforming Institutions Virtual Conference. Presented by Dr. N. Jobin. 2021.

Kearns, CA, **DM Oliveras**, C Lay. Monitoring the conservation status of bumblebee populations across an elevational gradient in the Front Range of Colorado. Ecological Society of America. Presented by Dr. C. Lay. 2017.

Kearns, CA, **DM Oliveras**, B Bruffey, S Hawkins. Patterns in bumblebee populations across five years in Boulder County. GREEBs. Presented by students B. Bruffey and S. Hawkins. 2014.

Kearns, CA, **DM Oliveras**, B Bruffey, S Canter, Z Praggastis. Bumblebee population monitoring: interesting notes from the field. GREEBs, 2013 (meeting canceled due to Colorado floods of 2013).

**Oliveras, DM**. Integrative learning fosters critical thinking skills. Guild of Rocky Mountain Population Biologists, 1998.

**Oliveras, DM**. The effects of mate choice on sons' mating success and daughters' fecundity in *Drosophila melanogaster*. Guild of Rocky Mountain Population Biologists, 1991.

Avritt, J and **DM Oliveras**. The effect of plant age and flower age on the mating success of pollen donors in wild radish. Guild of Rocky Mountain Population Biologists. 1991.

**Oliveras, DM**. Natural selection and sexual selection: the nature of their interaction. American Society of Zoologists. 1990.

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**Oliveras, DM.** Natural and sexual selection: investigating the nature of their interaction. Guild of Rocky Mountain Population Biologists. 1990.

**Oliveras, DM.** Natural and sexual selection: investigating the nature of their interaction. Fourth International Congress for Systematics and Evolutionary Biology. 1990.

**Oliveras, DM.** Sexual selection: using a *Drosophila melanogaster* model system to investigate its nature. Guild of Rocky Mountain Population Biologists. 1989.

**Oliveras, DM** and MA Novak. Paternal behavior as an indicator of social organization in *Microtus pennsylvanicus*, *M. pinetorum* and *M. ochrogaster*. Eighth Eastern Pine and Meadow Vole Symposium. 1984.

## INTERVIEWS AND POPULAR NEWS ARTICLES ON RESEARCH

*Bee survey shows steady numbers.* Daily Camera. 2017

*Local efforts appear to be helping bumblebee populations.* CU Boulder Today. 2017

*University of Colorado researchers net rare Western bumblebee.* CU News. 2013

*Rare Western Bumblebee creates a buzz on the Front Range.* CU News. 2013

<http://www.colorado.edu/news/features/rare-western-bumblebee-creates-buzz-front-range#sthash.3Xnlwq7Y.dpuf>

*More bumblebees spotted on Front Range.* Aspen Public Radio. 2013

*Western bumblebees may be poised for a Colorado comeback.* KUNC. 2013

*University of Colorado researchers net rare Western bumblebee.* The Denver Post. 2013

[http://www.denverpost.com/breakingnews/ci\\_24008811/university-colorado-researchers-net-rare-western-bumblebee](http://www.denverpost.com/breakingnews/ci_24008811/university-colorado-researchers-net-rare-western-bumblebee)

*Front Range bees cause buzz.* NoBo Life. 2013

*Research CU Boulder.* Interview with Patrick Yoon and Andy Parker for PodCast. 2012

## AWARDS AND HONORS

2015 Civic Achievement Award, Campus Sustainability Awards Committee, University of Colorado Boulder

2004-2005 Three Residence Life Academic Teaching awards, Department of Housing and Dining University of Colorado Boulder

2005 Marinus Smith Award, Parents Association University of Colorado Boulder

2001 Certificate of Academic Excellence, Committee on Learning and Academic Support Services University of Colorado Boulder

1999 Certificate of Academic Excellence, Department of Housing and National Residence Hall University of Colorado Boulder

- 1998 RAP Council Mini-Grants for Honoraria Faculty  
University of Colorado Boulder
- 1991 Pratt Fellowship, Mountain Lake Biological Station  
University of Virginia
- 1990-1991 Doctoral Fellowship for Minorities, Ford Foundation  
University of New Mexico Albuquerque
- 1990 Legislatively Endowed Fellowship  
University of New Mexico Albuquerque
- 1990 Graduate Achievement Award  
University of New Mexico Albuquerque

## GRANTS

Agricultural Practices on Boulder County Open Space: Implications for Bee Conservation, Undergraduate Research Opportunities Program, \$15,000; 2015; with co-principal investigator Dr. C. A. Kearns

Assessing Bumblebee Populations (*Bombus* spp.) Along the Front Range. Biological Undergraduate Research Skills & Training (BURST), \$2500; 2013; with co-principal investigator Dr. C. A. Kearns

The effects of urbanization on pollinator abundance and diversity. Undergraduate Research Opportunities Program, four awards totaling \$13,700; 2002-05; with co-principal investigator Dr. C. A. Kearns

The effects of urbanization on pollinator abundance and diversity. City of Boulder Open Space and Mountain Parks 2002 Small Grants Research Program. \$1,797; 2002; with co-principal investigator Dr. C. A. Kearns

The effects of floral age and plant age on the mating success of wild radish, *Raphanus sativus*. Graduate Student Association and Office of Research, University of New Mexico, \$150; 1990

The effects of floral age and plant age on the mating success of wild radish, *Raphanus sativus*. Department of Biology, University of New Mexico, \$250; 1990

Natural and sexual selection: investigating the nature of their interaction using a *Drosophila melanogaster* model system. Graduate Student Association, Office of Research, and College of Arts and Sciences, University of New Mexico, six awards totaling \$1179; 1987-90

Natural and sexual selection: investigating the nature of their interaction using a *Drosophila melanogaster* model system. Department of Biology, University of New Mexico, four awards totaling \$577; 1987-90

Mating preferences in a monogamous cichlid fish. Sigma Xi: Grant-in-Aid Research, \$450; 1987

Mating preferences in a monogamous cichlid fish. Graduate Student Association and Office of Research, University of New Mexico, \$225; 1987

Mating preferences in a monogamous cichlid fish. Department of Biology, University of New Mexico, \$225; 1987

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## REVIEW OF MANUSCRIPTS AND TEXTBOOK CHAPTERS

Manuscript APID-D-17-00069, *Body size and wing asymmetry along an urbanization gradient in bee*. Apidologie. 2017

Chapter *Chemical Foundation of Life*. Open Stax online biology textbook for science majors. 2013

Chapter *Respiratory System*. Open Stax online biology textbook for science majors. 2012

Chapter *Diversity of Life*. Open Stax online textbook for non-science majors. 2013

Chapter *Population and Community Ecology*. Open Stax online textbook for non-science majors. 2013

Three chapters of an introductory biology text, Thomson Learning/Brooks/Cole. 2005

Published student manuscript. *The Relationship of Apis mellifera with Exotic and Native Plants in Boulder County, Colorado*. American Journal of Undergraduate Research vol 2, no. 2 2003

Manuscript for Journal of Apiculture Research. 2004

## TEACHING EXPERIENCE

### University of Colorado Boulder

EBIO 1210 General Biology I

EBIO 1220 General Biology II

EBIO 1030 Biology: A Human Approach I

EBIO 1040 Biology: A Human Approach II

EPOB 1610 Honors General Biology

EPOB 2060 Cellular Physiology

EPOB 2070 Genetics

EPOB 2010 Environmental Issues and Biology

HONR 1001 Honors Biology

IPHY 1010 Introduction to Integrated Physiology

MCDB 1030 Plagues, People, and Microorganisms

### University of New Mexico Albuquerque

Animal Physiological Ecology, Plant Physiological Ecology, and Behavioral Ecology – Invited Lecturer

Introductory Biology – Teaching Assistant

Genetics – Teaching Assistant

### University of Massachusetts Amherst

Introductory Zoology – Teaching Assistant

Experimental Methods in Psychology – Teaching Assistant

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Introductory Zoology – Bilingual Tutor for native Spanish speakers

Psychology – Bilingual Tutor for native Spanish speakers

Genetics – Bilingual Tutor for native Spanish speakers

### **Dickinson College**

Experimental Psychology – Teaching Assistant

### **Centro de Terapia Educativa Puerto Rico**

Teacher of a variety of K-12 classes to English- and Spanish-speaking students with learning disabilities

### **DEPARTMENT SERVICE**

Member, Search Committee for the Faculty-in-Residence of the ENS RAP  
University of Colorado Boulder, April 2023

Presenter, RAP Forum. Researched-Based Teaching Practices: Active Learning Tools and an Objective Classroom Observation Protocol.  
University of Colorado Boulder, April 2023

Organizer and Host, Earth Day seed planting event. Provide seeds and soil for students to start their own vegetable plants. Talk on healthy diet and planet care.  
ENS RAP, University of Colorado Boulder, November 2022

Organizer, Nature's Educators presentation. Display and talk on raptors, snakes, tarantulas.  
ENS RAP, University of Colorado Boulder, November 2022

Organizer and host, Nicole Masters. Transforming Outcomes for Ecosystems and Food Production.  
ENS RAP, University of Colorado Boulder, 2022

Member, Search Committee for the Director of the ENS RAP  
University of Colorado Boulder, September 2021-December 2021

Organizer and Host, Baker RAP Undergraduate Research Symposium  
Baker RAP, University of Colorado Boulder, 2003-present

Organizer and Leader, Plant Cuttings Give-Away  
Baker RAP, University of Colorado Boulder, 2018-present

Participant and Social Facilitator between RAP students and pets Bernese Mountain Dog and Leonberger at weekly student coffee hours.  
Health Professions RAP, University of Colorado Boulder 2024  
Baker RAP, University of Colorado Boulder, 2016-present

Participant, Ecology and Evolutionary Biology (EBIO) Department General Biology course committee  
University of Colorado Boulder, 2010-2020

Organizer and Host, Taxonomic Feast  
Baker RAP, University of Colorado Boulder, 2023

Organizer and Host, Fungus Feast  
Baker RAP, University of Colorado Boulder, 2000-2022

Organizer and Host, Plant Feast  
Baker RAP, University of Colorado Boulder, 2000-2022

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- Organizer and Host, Animal Feast  
Baker RAP, University of Colorado Boulder, 2000-2022
- Organizer and Host, Family Weekend events  
Baker RAP, University of Colorado Boulder, 1995-present
- Host, Family Weekend events  
Sewall RAP, University of Colorado Boulder, 2005-2021
- Host, Welcome Students events  
Baker RAP, University of Colorado Boulder, 1995-present
- Peer review of Residential Academic Program instructors  
Baker RAP, University of Colorado Boulder, 2005-2015, Fall 2019-present
- Participant, Welcome Students events  
Sewall RAP, University of Colorado Boulder, 2005-2019
- Participant, Baker graduation celebration  
Baker RAP, University of Colorado Boulder, 2016-2018
- Participant, Family Weekend events  
Health Professions RAP, University of Colorado Boulder, 2013-2018, 2024
- Participant, Welcome Students events  
Health Professions RAP, University of Colorado Boulder, 2013-2017
- Presenter of awards at the Sewall Academic Success Celebration with Director Eric Stade and Sewall  
RAP program coordinators  
Sewall RAP, University of Colorado Boulder, 2017
- Presenter, Admitted Students Day  
Baker RAP, University of Colorado Boulder, 2015-2017, 2019-2020, 2022-present  
Sewall RAP, University of Colorado Boulder, 2015  
Health Professions RAP, University of Colorado Boulder, 2015
- Member, Baker RAP Inclusive Excellence Plan committee  
Baker RAP, University of Colorado Boulder, 2016
- Group Leader, The Wild Animal Sanctuary volunteer work trip with RAP students.  
Baker RAP, University of Colorado Boulder 2015, April 2015, October 2016
- Group Leader, Rocky Mountain Arsenal volunteer work trip with RAP students  
Baker RAP, University of Colorado Boulder, March 2017, April 2016, October 2016
- Group Leader, Denver Museum of Nature and Science field trip with RAP students  
Baker RAP, University of Colorado Boulder, February 2016
- Group Leader, Indian Peaks Wilderness Area clean-up volunteer with RAP students  
Baker RAP, University of Colorado Boulder, October 2015
- Interviewed by the Association of American Universities (AAU) for Ecology and Evolutionary Biology  
(EBIO) Department development process  
University of Colorado Boulder, 2015
- Member, Program Review Committee  
Baker RAP, University of Colorado Boulder, 2014  
Health Professions RAP, University of Colorado Boulder, 2014
- Group Leader, Denver Aquarium field trip with RAP students  
Health Professions RAP, University of Colorado Boulder, 2013
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Member, Baker RAP Diversity and Equity Plan Committee  
Baker RAP, University of Colorado Boulder, 2005-2006

Organizer and host, Dr. Gary Miller. Talk on research in Antarctica  
Baker RAP, University of Colorado Boulder, 2002

Member, Search Committee for Biology Department Chairperson  
University of New Mexico Albuquerque, 1990-91

Member, Biology Department Commencement Committee  
University of New Mexico Albuquerque, 1990

## UNIVERSITY SERVICE

Member, Primary Unit Evaluation Committee for instructor reappointment 2024

Organizer and Host, Chinese New Year Celebration. Multi-RAP event celebrating Chinese culture.  
University of Colorado Boulder, February 2024

Organizer and Host, International Chai Time. Multi-RAP event celebrating cultures of Kuwait and Japan  
with invited guests from the International English Center.  
University of Colorado Boulder, December 2023

Member, Primary Unit Evaluation Committee for instructor promotion 2022

Organizer and Host, Latin Heritage Event. Inter-RAP celebration of Spanish and Hispanic culture with  
food and games.  
Creative Minds RAP, University of Colorado Boulder, September 2022

Member, RAP Faculty Learning Community (FLC)  
University of Colorado Boulder, June 2020-present

Member, RAP FLC subcommittee on Justice, Equity, Diversity, Inclusion (JEDI) August -December  
2022

Attendee, Intersecting Identities Workshop with Dr. Melinda González  
University of Colorado Boulder, April 2022

Member, RAP Quality Teaching Initiative/Faculty Learning Community (QTI/FLC) partnership  
University of Colorado Boulder, Fall 2021

Member, RAP Teaching Quality Framework/Faculty Learning Community (TQF/FLC) partnership  
University of Colorado Boulder, September 2020-May 2021

Peer review of campus-wide Residential Academic Program instructors  
University of Colorado Boulder, 2019-present

Campus “Listener” for the Provost Forum meetings  
University of Colorado Boulder, 2016-2017, September 2019, March 2020

Campus “Listener” for the First-Year Experience campus vision meetings  
University of Colorado Boulder, 2017-2020

Participant, First-Year Academic Experience/Faculty Learning Community (FYAE/FLC) monthly  
meetings  
University of Colorado Boulder, June 2020-December 2020

Participant, Residence Hall Director interviews  
University of Colorado Boulder, December 2019

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- Participant, University of Colorado Accreditation Open Forum  
University of Colorado Boulder, December 2019
- Attendee, Trauma Workshop with Jessica Ladd Webert  
University of Colorado Boulder, November 2019
- Attendee, Counseling and Psychiatric Services (CAPS) Wellness Seminar  
University of Colorado Boulder, October 2019
- Contributed response paper, *Response to First-Year Experience Transition Committee Draft Report*.  
University of Colorado Boulder, April 2019
- Campus “Listener” for the Academic Futures campus vision meetings  
University of Colorado Boulder, Fall 2017-Spring 2018
- Presenter and Recruiter, University of Colorado Diversity Sampler  
University of Colorado Boulder, 2004-2016, 2018
- Contributed white paper, Academic Futures. *Response to Academic Futures Project 1: A common student-centered approach*  
University of Colorado Boulder, September 2018
- Participant, RAP Faculty Forum  
University of Colorado Boulder, 2017-2018
- Contributed white paper, Academic Futures. *Addressing the growing needs of first-year students*.  
[https://www.colorado.edu/academicfutures/sites/default/files/attached-files/oliveras\\_et\\_al\\_.pdf](https://www.colorado.edu/academicfutures/sites/default/files/attached-files/oliveras_et_al_.pdf)  
University of Colorado Boulder, December 2017
- Campus “Listener” for the Core Curriculum Committee Town Hall meetings  
University of Colorado Boulder, 2016
- Presenter and Recruiter, Black and Gold Reception for admitted underrepresented students  
University of Colorado Boulder, 2015
- Presenter and Recruiter, Talented Scholars Fair  
University of Colorado Boulder, 2008-2014, 2019
- Member, Committee for Tenure for Instructors  
University of Colorado Boulder, 2007
- Organizer and host, Dr. Lynn Margulis talk  
University of Colorado Boulder, 2000
- Member, Student Research Allocation Committee  
University of New Mexico Albuquerque, 1987-1989
- Member, Graduate Research Allocation Committee  
University of New Mexico Albuquerque, 1987-1989
- Member, Organization Committee, American Society of Mammologists Meeting  
University of New Mexico Albuquerque, 1987

## COMMUNITY OUTREACH

- Invited Instructor, Colorado Native Plant Society. *Bee Hike – Bee Identification in the Field*. Field Course at the Denver Botanic Gardens in Chatfield. With Dr. C. A. Kearns. September 2015, September 2016, June 2018, June 2024
- Interview by Por Jaijong on global state of bee pollinators. April 21, 2023
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- Interview by Holly on NSF-funded Active Learning Academy program. August 1, 2023
- Invited Scientist, Global Village Academy (Aurora CO) seventh grade classes. Mr. Alex Doyle. *Pollinators and Plants*. January 12, 2023
- Volunteer, Conference on World Affairs (CWA) Regenerative Agriculture session. July 2021-April 2022
- Invited Scientist, Global Village Academy (Aurora CO) seventh grade classes. Mr. Alex Doyle. *Meiosis and Gamete Formation*. December 14-15, 2021
- Camp Science Counselor, Circle Program Camp. Plymouth, NH . With Dr. C. A. Kearns. June-July 2019
- Invited Speaker, Boulder PEO Chapter. *Bumblebees of Boulder County*. With Dr. C. A. Kearns. June 2019
- Invited Panelist, Earth Day Biodiversity Presentation. People and Pollinators Action Network/Sierra Club/Wild Foundation. With Dr. C. A. Kearns. April 2019
- One-Time Consultant on pollinator habitat, Namaste Solar (Aurora Sepp-Peterson, contact). July 2019
- Invited Speaker, CU Museum of Natural History *Bumblebees of Boulder County*. With Dr. C. A. Kearns. September 2017
- Invited Speaker, CU International English Center *Residential Academic Programs at the University of Colorado*. March 2017, April 2018, October 2018, February 2019, November 2019, April 2023
- Invited Speaker, University Hill Elementary School (Boulder CO) second grade classes. Ms. Sara Nelson, teacher coordinator. *Polinizadores y Plantas*. Bilingual presentation in Spanish (Oliveras) and English (Dr. C.A. Kearns). December 2015, February 2017, February 2018.
- Organizer, Annual reception, Sigma Xi, Boulder CO. 2008-2016
- Organizer, Café Scientifique, Sigma Xi., Boulder CO. 2010-2016
- Invited Instructor, Colorado Native Plant Society. *Colorado Bumblebees*. Summer Field Seminar July 13-14 2016 (course canceled due to Cold Springs wildfire 2016)
- Invited Speaker, Pollinator Health in Colorado Information Exchange, Colorado Department of Agriculture. *Bee pollinators in Boulder County*. With Dr. C. A. Kearns. June 2016
- Invited Speaker, Colorado Native Plant Society. *Front Range Bumblebees: Status and Conservation*. With Dr. C. A. Kearns. 2016
- Invited Speaker, Boulder County Parks and Open Space Advisory Committee. *Agricultural practices on Boulder County Open Space: Implications for pollinator conservation*. With Dr. C. A. Kearns. 2015
- Invited Speaker, Melody-Catalpa Neighborhood Bee Safe Organization. *Boulder Bee Diversity*. With Dr. C. A. Kearns. 2014
- Invited Speaker, Gold Hill School. *Insect pollinators of Colorado*. 2014
- Invited Presenter, Bear Creek Elementary School Bikes, Bees, and Butterflies Fair. 2014
- Invited Panelist and Presenter, Sierra Club Protecting Your Backyard Bees Forum. *The bees of Boulder, Colorado*. With Dr. C. A. Kearns. 2014
- Organizer, Wilfred Arnold public talk on Vincent van Gogh, Sigma Xi, 2013
- Invited Speaker, Denver Botanic Gardens School of Botanical Art and Illustration. *The Birds and the Bees and the Flowers: A Love Story*. 2013
- Invited Presenter, Lyons Middle/High School MESA Program. Mr. Sam Holloway, coordinator. *Insect Pollinators on the Front Range of Colorado*. With Dr. C. A. Kearns. 2013
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Invited Presenter, Sunrise at FlatIrons, Sunrise Senior Living, Broomfield, CO. *Insect pollinators along the Front Range*. With Dr. C. A. Kearns. 2012

Invited Speaker, World Music class. Dr. Daniel Jones, professor. 2011-2013

Science Fair Judge, Douglass Elementary School, Boulder CO. 2004-2010

Invited Speaker, National Honor Society of Collegiate Scholars March to College Day. *Polinización*. Talks given in Spanish (Oliveras) and English (Dr. C.A. Kearns) to students of Casey Middle School, Boulder, CO. 2006, 2007

Invited Speaker, Denver Botanic Gardens Café Botanique. *The mysterious case of the disappearing honeybees*. 2007

Consultant, AeroGrow International, Inc. 2007-2008

Member, interview committee for Spanish teacher at Nevin Platt Middle School, Boulder CO. February 2006

Group Leader, Grasslands BioBlitz, June 2004

Science Fair Judge, Central Elementary School, Longmont CO. 2003-04

Invited Scientist, Douglass Elementary School (Boulder CO) third grade class. Ms. Pam Unro. Anatomy presentations. 2003

Invited Scientist, Douglass Elementary School (Boulder CO) second grade class. Ms Maryjo Barbeau. Fetal shark dissection. 2002

Invited Speaker, University of Virginia. *Non-random mate choice in wild radish, Raphanus sativus*. 1991

Invited Speaker, Mountain Lake Biological Station. *Natural and Sexual Selection: Using a Drosophila melanogaster Model System to Investigate the Nature of their Interaction*. 1991

Science Fair Judge, Albuquerque NM. 1988-1991

Guest speaker, University of Arizona. *Natural and Sexual Selection: Investigating the Nature of their Interaction*. 1990

## UNDERGRADUATE RESEARCH ASSISTANTS SUPERVISED

R. Claire Kazen	2015	Baker RAP-sponsored research assistant
James Grundy	2015	UROP grant research assistant
Jesi Jones	2015	UROP grant research assistant
Mackenzie Welch	2015	UROP grant research assistant
Andrew Lombardi	2014	research assistant
Sydney Hawkins	2014	research assistant
Reese Beeler	2014	research assistant
Sarah Niemeyer	2013	research assistant
Zoe Praggastis	2013	research assistant
Cole Steinmetz	2013	research assistant
Sam Canter	2013	research assistant
Benjamin Bruffey	2013	CU BURST grant research assistant
Faculty sponsor	2013	UROP team grant Engineers Without Borders
Arianna Efram	2012	research assistant
Brooke Goodspeed	2012	research assistant

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Erin Collier-Zans	2012	UROP grant research assistant
Noah Herreid	2012	research assistant
Summer Sugg	2011	research assistant
Rita DiTommaso	2010	research assistant
Jared Blandel	2010	research assistant
Rebecca Stubbs	2010	research assistant
Shannon Madore	2005	UROP grant research assistant
Lauren Mead	2005	UROP grant research assistant
Annie MacFadyen	2004	UROP grant research assistant
Daniel Veltri	2004	UROP grant research assistant
Brian Miller	2004	UROP grant research assistant
Matthew Talarico	2004	UROP grant research assistant
Taylor Whitten	2004	UROP grant research assistant
Trent Tennyson	2003	research assistant
Thomas Binet	2003	Biosciences Initiative (BSI) funding research assistant
Laura Waterbury	2003	BSI funding research assistant
Steve McAllister	2003	UROP grant research assistant
Keith Mitchell	2002	UROP grant research assistant
Chrissi Murphy	2002	UROP grant research assistant
Kira Krend	2002	UROP grant research assistant

## OTHER UNDERGRADUATE STUDENT MENTORING AND SUPPORT

Five hundred letters of recommendation written for current and former students 1998-2025.

In-depth discussions of funding opportunities, internships, graduate schools, professional schools, etc. with the following students:

Katherine Ide	2021 UROP mentor; funding declined
Nicole Couillard	2021-2024
Emily Peterson	Fall 2021
Branden Long	Spring 2021
Willa Hancock DeRose	Spring 2021 Boulder High School
Ryan Strimling	Spring 2021
Madison Kachel	Spring 2021
Ana Monroy	Fall 2020 Recruit for Teddy Bear Hospital, ELPASO Denver
Mirren Hendry	Fall 2020
Josh Soll	Fall 2019, Spring 2020
McKenna Nolan	Fall 2019
Natalie Brim	2014
MaryAnne Evans	2014
Hannah Mauro	2015
Amanda Andriese	2014

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MacKenzie King	2014
Kyleigh Jo Holloway	2012
Lauren Pigott	2012

## COMMITTEE MEMBER, UNDERGRADUATE HONORS THESES

Nicole Couillard, *magna cum laude* 2024. “Endocrine dysfunction following diffuse traumatic brain injury in male and female juvenile rats”. Mark Opp, advisor

Geetali Lal, 2022. *Effects of a prebiotic diet vs calorie-matched control diet on the gut microbiome and behavior in female mice experiencing a 3G environment*. Did not complete.

Annalise Morelock, *summa cum laude* 2022. *A Meta-Analysis of the Impact of Chronic Disease on Plasmodium Falciparum Malaria Infection in Hospitalized Adults*. Christopher D. Link, advisor

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