CURRICULUM VITAE

ALISON K. BRODY

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ACADEMIC HISTORY

1976	1980	B.S. Zoology, Michigan State University, E. Lansing, MI
1981	1984	M.A. Department of Systematics and Ecology; Behavioral Ecology, University of Kansas, Lawrence, KS
1986	1991	Ph.D. Department of Entomology; Focus on Plant-Animal Interactions, University of California, Davis, CA
1992	1993	Visiting Assistant Professor, Albertson College of Idaho, Caldwell, ID
1993	1995	Post-doctoral Research Associate, Stanford University, Stanford, CA
1995	2000	Assistant Professor, University of Vermont, Burlington, VT
2001	2008	Associate Professor, University of Vermont, Burlington, VT
2009		Full Professor, University of Vermont, Burlington, VT

RESEARCH INTERESTS

I am broadly interested in the ecological and evolutionary consequences of multiple species interactions. I study how pollinators, seed predators and pollen thieves contribute to the stability of females a gynodioecious plant, *Polemonium foliosissimum*. Gynodioecy, whereby some plants are hermaphrodites and others are female (having lost male function), provides an opportunity to examine extreme phenotypic differences in floral traits and the role of species interactions in trait selection and maintenance of gender morphs.

Most recently, in addition to examining how multiple species affect selection on the sexes in Polemonium, my work has focused on linking below and aboveground interactions among mycorrhizal fungi and pollinators in highbush blueberry, *Vaccinium corymbosum*. Blueberries depend on their fungal symbionts for nutrients and fungi, in turn, depend on their host plants for carbohydrates. These interactions affect floral trait expression and investment in pollinator rewards which ultimately determines yield, or plant fitness.

AWARDS, HONORS, SPECIAL APPOINTMENTS

2010-2015

2018 NSF DEB-1754280. Effects of native pollinators and mycorrhizae on reproductive success in high-bush blueberry, *Vaccinium corymbosum*. Jeanne Harris, Taylor Ricketts (Co-PIs). 05/18-09/21 $198,000

2016 USDA AFRI- 2016-09204. Linking the belowground fungal microbiome to herbivore resistance, floral traits, pollination and yield in highbush blueberry. Jeanne Harris, Leif Richardson, Taylor Ricketts (Co-PIs).

2015-

Gonzalez, J.B., Clarke, G. and **A.K. Brody.** 2015. Lack of sex-specific differences in mycorrhizal associations and response to herbivory in the gynodioecious herb, *Polemonium foliosissimum*. Plant Ecology 216:951-962.

Petipas, R. and **A.K. Brody**. 2014. Termites and ungulates affect arbuscular mycorrhizal richness and infectivity in a semi-arid savanna. Botany, 92:233-240.

Palmer, T.M. and **A.K. Brody**. 2013. Enough is enough: The effects of symbiotic ant abundance on herbivory, growth and reproduction in an African acacia. Ecology 94:683-691.

Brody, A. K. and R. E

Palmer, T. M. and A. K. Brody. 2008. Mutualism as reciprocal exploitation: ants and plants in Africa. Bulletin of Ecology 89:27-31.

Palmer, T.M. and **A.K. Brody**. 2007. Mutualism as reciprocal exploitation: ant guards defend foliar but not reproductive structures of an African ant-plant. Ecology 88: 3004-3011.

Brody, A.K., M.V. Price and N.M. Waser. 2007. Life-History Consequences of Vegetative Damage in Scarlet Gilia, a Monocarpic Plant. Oikos 116: 975-985.

Price, M.V., N. M. Waser, R.E. Irwin, D.R. Campbell and **A.K. Brody**. 2005.

Brody, A.K.

PAPERS PRESENTED/ABSTRACTS PUBLISHED

(the first author listed was the presenter)

Richardson, L.L., **A.K. Brody**, and T.H. Ricketts. 2016. Mycorrhizal Fungi Affect Floral Traits Important

Brody, A.K., R.E. Irwin, M.V. Price, N.M. Waser, and D.R.Campbell. 2000. Linking flower visitation to plant population biology, part 2: Population and community consequences of nectar robbing and seed rain. Guild of Rocky Mountain Population Biologists.

Waser, N.M., M.V. Price, **A.K. Brody** and D.R.Campbell. 2000. Pollination success and plant population size: How strong are the links? ESA Annual Meeting.

Waser, N.M., M.V. Price, **A.K. Brody** and D.R.Campbell. 2000. Linking flower visitation to plant population biology, part 1: Variation in pollination, nectar robbing and seed set. Guild of Rocky Mountain Population Biologists.

A.K. Brody and Albright, H.A. 2000. A positive link between resistance to herbivores and flowering phenology in *Arabidopsis thaliana*. ESA Annual Meeting.

Brody, A.K. and Irwin, R.E. 1999. Direct and indirect effects of nectar robbing on hummingbird pollinated plants. ESA Annual Meeting.

Irwin, R. E. and **A.K. Brody**. 1999. Nectar-robbing bumblebees disrupt a plant-pollinator mutualism. Invited Symposium, ESA Annual Meeting.

PROFESSIONAL ACTIVITIES and SERVICE

DEPARTMENTAL

2002- - - - Current	**Director** IBS Program
1995-Current	Representative to Visit days and Graduation
2013-2017	Tri-Beta Faculty Advisor
2011-2013	Advisory Council Member
2011-2012	Evolutionary Biologist Search Committee
2010-2011	Neurophysiologist Search Committee
2005-2006	Evolutionary Biologist Search Committee
2002-2003	**Director** of Undergraduate Research
2002-2003	Molecular Evolutionary Biologist Search Committee
1998 1999	Neurobiologist Search Committee
1995 1997	Interdepartmental Committee for the Development of Introductory Biology Curriculum
1995 1997	Advisory Council, Elected Member
1995 2000	Advisory Committee for AP Biology

COLLEGE OF ARTS AND SCIENCES (multi-year service is noted):

2020 present	Natural Sciences Representative to CAS Undergraduate Honor s Committee
1995 - present	Participant in College Visit Days
2017	Task Force on Re-envisioning Distribution Requirements
2008 2011	
2007 2008	Faculty Senate, Alternate Departmental Representative,

1996-97 NSF Doctoral Dissertation Improvement Grants Program

Ad Hoc Reviewer (an average of 8-10 manuscripts per year) for the following journals and granting agencies: American Naturalist, Acta Oecologia, Biotropica, Biological Journal of the Linnaean Society, American Journal of Botany, Botany, Ecology, Ecological Entomology, Ecological Monographs, Ecology Letters, EcoScience, Environmental Entomology, Evolution, Evolutionary Ecology, Functional Ecology, Journal of Animal Ecology, Journal of Insect Behavior, Journal of Tropical Ecology, Journal of Arid Systems,

GRADUATE STUDENT COMMITTEES (year degree completed or expected)

Kristian Omland (M.S. 1996); Amy Arnett (Ph.D., 1998); Zoe Richards