
PROFESSIONAL PREPARATION

Univ. of Kentucky, *summa cum laude* Biology B.S. 2011
Univ. of California, Davis Animal Behavior Ph.D. 2018

Committee Members: Andrew Sih (advisor), Louie Yang, Sharon Lawler

APPOINTMENTS

2018-present NSF Postdoctoral Research Fellow in Biology, University of Minnesota
2012-2017 NSF Graduate Research Fellow, UC Davis
2015 Teaching Assistant, BIS2C: Introduction to Biology – Phylogenetics.
Dept. of Evolution and Ecology, UC Davis
2013 Teaching Assistant, BIS2B: Introduction to Biology – Ecology and
Evolution. Dept. of Evolution and Ecology, UC Davis
2012 Teaching Assistant, ESP 100: Introduction to Ecology. Dept. of
Environmental Science and Policy, UC Davis

AWARDS and HONORS

2018-2020 NSF Postdoctoral Research Fellowship in Biology (\$135,000)
2017-2018 UC Davis Dissertation Year Fellowship (\$42,000)
2017-2018 ARCS Research Scholarship (\$11,000)
2012-2017 NSF Graduate Research Fellowship (\$102,000)
2017 UC Davis ABGG Richard Coss Award for International Research (\$1,000)
2017 NSF Grad Research Opportunities Worldwide (GROW) Grant (\$5,000)
2016 NSF Conference Travel Award to ISBE, Exeter, UK (\$1,000)
2016 Center for Population Biology, UC Davis Research Grant (\$1,750)
2015 Center for Population Biology, UC Davis Research Grant (\$1,500)
2015 Jastro Shields Research Grant (\$2,000)
2014 Center for Population Biology, UC Davis Research Grant (\$2,000)
2014 Jastro Shields Research Grant (\$3,000)
2013 Animal Behavior Society Grant in Aid of Research (\$3,000)
2012 Dept. of Environ. Sci. and Policy Conf. Travel Grant, UC Davis (\$500)
2010 Gertrude R. Ribble Undergraduate Research Grant (\$1,500)

PUBLICATIONS (*in review, in press, and published*)

Ehlman SM, Trimmer PC, and Sih A. Prey responses to exotic predators: effects of old risks and new cues. *The American Naturalist*. *In press*.
Crowley PH, Trimmer PC, Cuello WS, **Ehlman SM**, Spiegel O, and Sih A. Predicting habitat choice after rapid environmental change. *The American Naturalist*. *In press*.
Chmura H, Kharouba H, Ashander J, **Ehlman SM**, Rivest E, and Yang LH. The mechanisms of phenology: the patterns and processes of phenological shifts. *Ecological Monographs*. *In press*.
Saaristo M, Brodin T, Balshine S, Bertram MG, Brooks BW, **Ehlman SM**, McCallum ES, Sih A, Sundin J, Wong BBM, and Arnold K. 2018. Direct and indirect effects of chemical contaminants on the behaviour, ecology and evolution of wildlife. *Proceedings of the Royal Society B* 285:20181297.
Davis BE, Komoroske LM, Hansen MJ, Poletto JB, Miller NA, Perry E, **Ehlman SM**, Wheeler S, Sih A, Todgham AE, and Fangue NA. 2018. Juvenile rockfish show resilience to CO₂-acidification and hypoxia across multiple biological scales. *Conservation Physiology* 6:coy038.
Ehlman SM, Martinez D, and Sih A. 2018. Male guppies compensate for lost time when mating in turbid water. *Behavioral Ecology and Sociobiology*. 72:46.

- Trimmer PC, **Ehlman SM**, McNamara J, and Sih A. 2017. The erroneous signals of detection theory. *Proceedings of the Royal Society B* 284:20171852.
- Trimmer PC, **Ehlman SM**, and Sih A. 2017. Predicting behavioral responses to rapidly-altered environments: state-dependent detection theory. *Proceedings of the Royal Society B* 284:20162108.
- Sih A, Trimmer PC, **Ehlman SM**. 2016. A conceptual framework for understanding behavioral responses to HIREC. *Current Opinion in Behavioral Sciences* 12:109-114.
- Crowley PH, **Ehlman SM**, Korn E, and Sih A. 2016. Dealing with stochastic environmental variation in space and time: bet-hedging by generalist, specialist, and diversified strategies. *Theoretical Ecology* 9:149-161.
- Ehlman SM**, Sandkam BA, Breden F, and Sih A. 2015. Developmental plasticity in vision and behavior may help guppies overcome increased turbidity. *Journal of Comparative Physiology A* 201:1125-1135.
- Sih A, **Ehlman SM**, and Halpin, R. 2015. On connecting behavioral responses to HIREC to ecological outcomes: a comment on Wong and Candolin. *Behavioral Ecology* 26:676-677.
- Ehlman SM**, Cox JJ, and Crowley PH. 2013. Evaporative water loss, spatial distributions, and survival in white-nose-syndrome-affected little brown myotis: a model. *Journal of Mammalogy* 94:572-583.

ADDITIONAL PUBLICATIONS IN PREPARATION

- Ehlman SM**, Torresdal JD, and Fraser DF. Explaining variation in predation and population responses to human-induced turbidity in a tropical stream system. *In prep.*
- Ehlman SM**, Martinez D, Horng K, Munson A, and Sih A. Evolutionary and ecological responses of guppies to human-induced turbidity in Trinidadian streams. *In prep.*
- Ehlman SM**, Halpin R, Jones C, Munson A, Pollack L, and Sih A. Intermediate turbidity levels elicit greatest anti-predator response in mosquitofish. *In prep.*

PRESENTATIONS

- Ehlman SM**, Trimmer PC, and Sih A. *Gordon Research Conf: Pred/Prey Interactions*. Ventura, CA, Winter 2018.
- Ehlman SM**, Martinez D, and Sih A. *Behaviour*. Estoril, Portugal, Summer 2017.
- Ehlman SM**, Torresdal J. *Gordon Research Conf: Pred/Prey Interactions*. Ventura, CA, Winter 2016.
- Ehlman SM**, Sandkam BA, Breden F, and Sih A. *Animal Behavior Society Conf*. Anchorage, AK, Summer 2015.
- Ehlman SM**, Sandkam BA, Breden F, and Sih A. *Society for Integrative and Comparative Biology Conf*. West Palm Beach, FL, Winter 2015.
- Ehlman SM**. *Workshop on Evolution in Stochastic Environments*. Trondheim, Norway, Winter 2014.
- Ehlman SM**, Trimmer PC, and Sih A. *Gordon Research Conf: Pred/Prey Interactions*. Ventura, CA, Winter 2014.
- Ehlman SM**, Trimmer PC, and Sih A. *Animal Behavior Society Conf*. Boulder, CO, Summer 2013.
- Ehlman SM**, Cox JJ, and Crowley PH. *Comparative Decision-Making Conf*. Lexington, KY, Summer 2011.

OUTREACH and ACADEMIC SERVICE

- Volunteer*, Student and Landowner Education and Watershed Stewardship (SLEWS), Center for Land-Based Learning. 2012-present.
- Graduate Student Peer Advisor*, Animal Behavior Grad Group, UC Davis. 2014-2018.
- Admission Committee Member*, Animal Behavior Grad Group, UC Davis. 2017.
- Editor*, The Ethogram Blog, Animal Behavior Grad Group, UC Davis. 2014-2016.
- Mentor to Undergraduate Researchers* (12 in total), UC Davis and Univ. Minnesota. 2013-present.
- Peer Reviewer*, Behavioral Ecology, Animal Behavior, Behavioral Processes, Current Zoology, Ethology, Behavioral Ecology and Sociobiology.