

MATTHEW R. WALSH

Curriculum Vitae

Department of Biology
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I. APPOINTMENTS

UNIVERSITY OF TEXAS ARLINGTON, Arlington TX
Associate Professor of Biology, 2018 - present
Assistant Professor of Biology, 2012 – 2018

YALE UNIVERSITY, New Haven CT
Gaylord Donnelley Postdoctoral Fellow, July 2009 – July 2012
Advisor: David M. Post

II. EDUCATION

UNIVERSITY OF CALIFORNIA RIVERSIDE, Riverside CA
Doctor of Philosophy in Evolution, Ecology, and Organismal Biology, June 2009
Advisor: David N. Reznick

STONY BROOK UNIVERSITY, Stony Brook NY
Master of Science in Marine and Atmospheric Sciences, August 2003
Advisor: David O. Conover

UNIVERSITY OF VIRGINIA, Charlottesville VA
Bachelor of Arts in Environmental Sciences, May 2000

III. PUBLICATIONS (40 total, 29 as first or senior author) (* - Graduate student author, [§] - Undergraduate student author, # - Postdoc author, & - co-first authors)

H-index: 21

Number of citations: 1742

In review/revision

Landy, J.A., Ochmann, O., Munch, S.B., and **M.R. Walsh**. Phenotypic plasticity predicts the trajectory of adaptation but plasticity and genetic change are decoupled in resurrected populations of waterfleas. *Proceedings of the National Academy of Sciences USA* (revision submitted 7/25/2020)

Landy, J.A., and **M.R. Walsh**. Adaptive within- and transgenerational plasticity reduces the opportunity for selection in natural populations of *Daphnia*. *Evolutionary Ecology*

Howell, K.J., Beston, S.M., Stearns, S., and **M.R. Walsh**. Coordinated evolution of brain size, structure, and eye size in Trinidadian killifish. *Journal of Evolutionary Biology*

*Gillis, M.K., and **M.R. Walsh**. Individual heterogeneity in *Daphnia* strengthens top-down control on cyanobacteria.

2019

Dunlap, K.D., Corbo, J.H., Vergara, M.M., *Beston, S.M., and **M.R. Walsh**. Predation drives the evolution of brain cell proliferation and brain allometry in male Trinidadian killifish (*Rivulus hartii*). *Proceedings of the Royal Society B* 286, 20191485.

#Goos, J., Swain, C., and **M.R. Walsh**. 2019. Maternal diet and age alter direct and indirect relationships between life history traits across multiple generations. *Functional Ecology* 33: 491-502

*Beston, S.M., and **M.R. Walsh**. 2019. Natural selection favors a larger eye in response to increased competition in natural populations of a vertebrate. *Functional Ecology* 33: 1321-1331

*Beston, S.M., Dudycha, J., Post, D.M., and **M.R. Walsh**. 2019. The evolution of eye size in response to increased fish predation in *Daphnia*. *Evolution* 73:792-802

*Gillis, M.K., and **M.R. Walsh**. 2019. Individual variation in plasticity dulls transgenerational responses to stress. *Functional Ecology* 33: 1993-2002.

2018

Card, D., Perry, B., Adams, R., Schield, D., Young, A., Andrew, A., Jezkova, T., Pasquesi, G., Hales, N., **Walsh, M.R.**, Rochford, M., Mazzotti, F., Hart, K., Hunter, M., Castoe, T. 2018. Novel ecological and climatic conditions drive rapid adaptation in invasive Florida Burmese pythons. *Molecular Ecology* 27: 4744-4757

terHorst, C.P., Zee, P.C., Heath, K.D., Miller, T.E., Pastore, A.I., Patel, S., Schreiber, S.J., Wade, M.J., and **M.R. Walsh**. 2018. Evolution in a community context: Trait responses to multiple species interactions. *American Naturalist* 3:368-380

Walsh, M.R., *Beston, S.M., Funkhouser, C., *Gillis, M., *Holmes, J, *Packer, M., and J. Goos. 2018. *Daphnia* as a model for eco-evolutionary research. Natural History of crustacea: Vol 5: Life Histories; Oxford University Press p. 403-424.

2017

*Hales, N., Schield, D.R., Andrew, A.L., Card, D.C., **Walsh M.R.**, and T.A. Castoe. 2017. Coordinated shifts in gene expression underlie predator-induced transgenerational phenotypic shifts in *Daphnia*. ***Molecular Ecology*** 19:5003-5015

*Beston, S.M., Wostl, E., and **M.R Walsh**. 2017. The evolution of vertebrate eye size across an environmental gradient: phenotype does not predict genotype in a Trinidadian killifish. ***Evolution*** 71: 2037-2049

*Gillis, M., and **M.R. Walsh**. Rapid evolution mitigates the ecological consequences of an invasive species (*Bythotrephes longimanus*) in lakes in Wisconsin. ***Proceedings of the Royal Society B*** 284: 20170814

*Beston, S.M., Broyles[§] W., and **M. R. Walsh**. 2017. Increased predation on juveniles is not associated with evolutionary shifts in brain in Trinidadian killifish (*Rivulus hartii*). ***Ecology and Evolution*** 7:884-894

*Packer, M. and **M.R. Walsh**. 2017. Divergent responses to population density reverse the pathway from evolution to ecology among locally adapted population. ***Evolutionary Ecology*** 31: 477-487

Shaney, K., Hamidy, A., **Walsh, M.R.**, Arida, E., Arimba, A., and E. Smith. 2017. Impacts of anthropogenic pressures on the contemporary biogeography of threatened crocodylians in Indonesia. ***Oryx*** 1-12

2016

Walsh, M.R., Castoe, T.A., *Holmes, J., *Packer, M., Biles[§] K., Walsh, M.J., Munch, S.B., and D. M. Post. 2016. Local adaptation in transgenerational responses to prey. ***Proceedings of the Royal Society B*** 20161075

Walsh, M.R., Broyles[§], W., *Beston, S.M., and S.B. Munch. 2016. Predator-driven brain size evolution in Trinidadian killifish (*Rivulus hartii*). ***Proceedings of the Royal Society B*** 283: 20161075

2015

Walsh, M.R., Cooley[§], F., Biles[§], K., and S. B. Munch. 2015. Predator-induced phenotypic plasticity within- and across-generations: a challenge for theory? ***Proceedings of the Royal Society B*** 282: 20142205.

*Whittington, D., and **M.R. Walsh**. 2015. Divergent phenotypic responses to predators and cyanobacteria in *Daphnia lumholtzi*. ***Freshwater Biology*** 60: 1880-188

DeLong, J.P. and **M.R. Walsh**. 2015. The interplay between resource supply and demand determines the influence of predation on prey body size. *Canadian Journal of Fisheries and Aquatic Sciences* 72: 1-7

Schild, D.R., **Walsh, M.R.**, Card, D.C., Andrew, A.L., Adams, R.H., and T.A. Castoe. 2015. EpiRADseq: scalable analysis of genome-wide patterns of methylation using next generation sequencing. *Methods in Ecology and Evolution* 7: 60-69

2014

Walsh, M.R., *Whittington, D., and M.J. Walsh. 2014. Does variation in the intensity and severity of predation drive evolutionary changes in reproductive life span and senescence? *Journal of Animal Ecology* 83: 1279-1288

Walsh, M.R., *Whittington, D., and C. Funkhouser*. 2014. Thermal transgenerational plasticity in natural populations of *Daphnia*. *Integrative and Comparative Biology* 54: 822-829

Walsh, M.R., La Pierre, K.J., and D.M. Post. 2014. Phytoplankton composition modifies predator-driven life history evolution in *Daphnia*. *Evolutionary Ecology* 28: 397- 411

2013

Walsh, M.R. 2013. The evolutionary consequences of indirect effects. *Trends in Ecology and Evolution* 28: 23-29

Walsh, M.R. 2013. The link between environmental variation and evolutionary shifts in dormancy in zooplankton. *Integrative and Comparative Biology* 54: 713-722

2012

Walsh, M.R., DeLong, J., Hanley, T., and D. M. Post. 2012. A cascade of evolution alters consumer-resource dynamics and ecosystem function. *Proceedings of the Royal Society B* 279: 3184-3192

Walsh, M.R., and D. M. Post. 2012. The impact of intraspecific variation in a fish predator on the evolution of phenotypic plasticity and investment in sex in *Daphnia*. *Journal of Evolutionary Biology* 25: 80-89

Furness, A. I., **Walsh, M.R.**, and D.N. Reznick. 2012. Convergence of life history phenotypes in a Trinidadian killifish (*Rivulus hartii*). *Evolution* 66: 1245-1254

El-Sabaawi, R., Kohler, T., Zandona, E., Travis, J., Marshall, M.C., Thomas, S., Reznick, D.N., **Walsh, M.R.**, Gilliam, J.F., Pringle, C., and A. S. Flecker. 2012. Environmental and organismal predictors of intraspecific variation in the stoichiometry in a freshwater neotropical fish. *PLoS ONE* 7: e32713.

2011

Walsh, M.R., and D. M. Post. 2011. Interpopulation variation in a fish predator drives evolutionary divergence in prey in lakes. *Proceedings of the Royal Society B* 278: 2628-2637

Walsh, M.R. and D. N. Reznick. 2011. Experimentally induced life history evolution in a killifish in response to the introduction of guppies. *Evolution* 65: 1021-1036

#**Walsh, M.R.**, Fraser, D.F., Bassar, R.D, and D.N. Reznick. 2011. The direct and indirect effects of guppies (*Poecilia reticulata*): implications for life history evolution in *Rivulus hartii*. *Functional Ecology* 25: 227-237.

#Runner-up for the Haldane Young Investigator's Prize, which is awarded each year to the best paper in Functional Ecology by a young author at the start of their research career.

Oufiero, C.E., **Walsh, M.R.**, Reznick, D.N., and T. Garland. 2011. Swimming performance trade-offs across a gradient in community composition in *Rivulus hartii*. *Ecology* 92:170-179.

2010

Walsh, M.R. and D. N. Reznick. 2010. Influence of the indirect effects of guppies on life history evolution in *Rivulus hartii*. *Evolution* 64: 1583-1593.

Bassar, R.D., Reznick, D.N., López-Sepulcre, A., **Walsh, M.R.**, Turcotte, M., and M. Torres-Mejia. 2010. Bridging the gap between ecology and evolution: Integrating density regulation and life history evolution. *Annals of the N.Y. Academy of Sciences* 1206 (2010) 17-34.

2009

Walsh, M.R., and D.N. Reznick. 2009. Phenotypic diversification across an environmental gradient: a role for predation and resource availability on the evolution of life histories. *Evolution* 63: 3201-3213.

2008

Walsh, M.R., and D.N. Reznick. 2008. Interactions between the direct and indirect effects of predators determine life history evolution in a killifish. *Proceedings of the National Academy of Sciences USA* 105: 594-599.

2006

Walsh, M.R., Munch, S.B., Chiba, S., and D.O. Conover. 2006. Maladaptive changes in multiple traits caused by fishing: Impediments to population recovery. *Ecology Letters* 9: 142-148.

2005

Conover, D.O., Arnott, S.A., **Walsh, M.R.**, and S.B. Munch. 2005. Darwinian fishery science: lessons from the Atlantic silverside. *Canadian Journal of Fisheries and Aquatic Sciences* 62: 730-737.

Munch, S.B., **Walsh, M.R.**, and D.O. Conover. 2005. Harvest selection, genetic correlations, and evolutionary changes in recruitment: one less thing to worry about. *Canadian Journal of Fisheries and Aquatic Sciences* 62: 802-810.

IV. GRANTS (Total amount received since 2012: \$944,876)

Active

National Science Foundation: CAREER: Does behavioral plasticity promote or impede adaptation? A test using resurrection. PI – Matt Walsh. Amount: \$600,000. Duration: 2017-2022

National Science Foundation: EAGER: Effects of radiation on life history in 'resurrected' *Daphnia* lineages exposed to fallout from 1950s atmospheric nuclear testing. PI - Yoel Stuart (Loyola University Chicago, Co-PI - Matt Walsh. Amount: \$199,978. Duration: 2020-2022.

Recent

National Science Foundation: Testing the influence of long-term ecological change on evolutionary responses in zooplankton. PI – Matt Walsh. Amount: \$219,750. Duration: 2015-2018

National Science Foundation: DISSERTATION RESEARCH: The evolution of complexity: tests of the ecological drivers of vertebrate eye size evolution in Trinidadian killifish (*Rivulus hartii*). PI – Matt Walsh, co-PI – Shannon Beston. Amount: \$19,604. Duration: 2017-2019.

Luminant Energy Inc. Environmental Program: The influence of heated thermal effluent on life history evolution in mosquitofish. PI – Matt Walsh. Amount: \$105,522. Duration: 2014-2016.

Research Enhancement Program (UTA): The extended influence of predators on prey. PI – Matt Walsh, Co-PI – Todd Castoe. Amount: \$19380. Duration: 2014-2015

Small grants obtained by my graduate students

2020 Sigma Xi Grants in aid of research. PI - Kaitlyn Howell. Amount: \$1000
2019 Society for the Study of Evolution. PI – Kaitlyn Howell. Amount: \$2500
2019 Lewis and Clark Fund – APS. PI – Michelle Packer. Amount: \$5000
2019 Phi Sigma Research Grant. PI – Kaitlyn Howell. Amount: \$3000
2018 Phi Sigma Research Grant. PI – Kaitlyn Howell. Amount: \$3000
2016 Phi Sigma Research Grant. PI – Shannon Beston. Amount: \$3000

- 2015 Phi Sigma Research Grant. PI – Collin Funkhouser. Amount: \$1500
- 2015 Phi Sigma Research Grant. PI – Shannon Beston. Amount: \$1500

Previous support

- 2008 National Science Foundation Doctoral Dissertation Improvement Grant (\$11965)
 - 2007 Dean’s Dissertation Research Grant, University of California Riverside (\$1000)
 - 2007 Exploration Fund Award, Explorers Club (\$1200)
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V. FELLOWSHIPS AND AWARDS

- 2020 College of Science Teaching Excellence Award, UTA (\$1000)
 - 2019 Presidential Early Career Award in Science and Engineering (PECASE)
 - 2018 College of Science Research Excellence Award, UTA (\$1000)
 - 2012 Jasper Loftus-Hills Young Investigator Award (\$1250)
 - 2009 Gaylord Donnelley Environmental Postdoctoral Fellowship (\$88000)
 - 2008 Distinguished Fellowship in Biology, University of California Riverside (\$7500)
 - 2008 Dean’s Dissertation Fellowship, University of California Riverside (\$20000)
 - 2006 Research Assistance Award, American Institute of Fishery Research Biologists (\$500)
 - 2006 Dean’s Fellowship, University of California, Riverside, CA (\$12000)
 - 2005 Department of Education GAANN Fellowship, UC Riverside (\$20000)
 - 2003 Sea Grant Scholar, New York Sea Grant, MSRC, Stony Brook University (\$15000)
 - 2003 Thesis Completion Award, New York Sea Grant, Stony Brook University (\$4500)
 - 2002 Best Poster Honorable Mention, American Fisheries Society Annual Meeting
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VI. INVITED SEMINARS

- 2019 Department of Biology, Williams College
- 2019 Department of Biology, University of North Texas
- 2018 Department of Biological Sciences, University of South Carolina
- 2018 Department of Biology, University of Oklahoma
- 2018 Odum School of Ecology, University of Georgia
- 2018 Department of Biology, University of Texas at Tyler
- 2017 Department of Biology , University of California Riverside
- 2016 Department of Biology, University of Massachusetts Boston
- 2016 Department of Biological Sciences, University of Arkansas
- 2016 Department of Biology, Binghamton University
- 2016 Department of Biology, Georgia Tech University
- 2015 Department of Ecology and Evolutionary Biology, University of California at Santa Cruz
- 2015 School of Natural Resources and the Environment, University of Michigan
- 2014 Department of Biological Sciences, University of Alabama
- 2014 Department of Biological Sciences, University of Missouri
- 2012 Department of Biology, University of Toronto Mississauga

2012 Department of Biology, University of Texas Arlington
2012 Department of Biology, University of Waterloo
2011 Institute of Biodiversity and Animal Health, Univ. of Glasgow
2011 Department of Ecology and Evolutionary Biology, Rice University
2011 Department of Integrative Biology, University of Texas Austin
2011 Department of Biology, University of Nevada Reno
2011 Department of Biology, University of Massachusetts Amherst
2009 Department of Ecology and Evolutionary Biology, Yale University
2009 Department of Biology, University of California Riverside

VII. INVITED CONFERENCE PRESENTATIONS

2016: Ecological Society of America (ESA), Fort Lauderdale, FL. Symposia: Evolution in a community context

2014: Joint Aquatic Sciences Meeting – Symposia on eco-evolutionary dynamics in aquatic systems, Portland, OR (declined)

2014: Society of Integrative and Comparative Biology – Symposia on adaptation and developmental constraint, Austin TX

2013: Society of Integrative and Comparative Biology – Symposia on phenotypic plasticity and gender roles, San Francisco, CA

2012: Evolution 2012 – Joint Awards Symposia, Ottawa, Canada

2011: 5th International Symposium of the Biodiversity & Evolution Global COE, Kyoto Japan (Keynote lecture on Eco-evolutionary interactions)

VIII. CONTRIBUTED PRESENTATIONS

2020: **Walsh, M.R.**, and J.A. Landy. Phenotypic plasticity predicts the trajectory of adaptation in resurrected populations of waterfleas. American Society of Naturalists. Asilomar, CA.

2018: **Walsh, M.R.** Rapid evolution in response to novel predator. American Society of Naturalists. Asilomar CA

2016: **Walsh, M.R.** Evolutionary divergence in transgenerational plasticity. Evolution 2016, Austin TX

2016: **Walsh, M.R.** The evolution of transgenerational plasticity. American Society of Naturalists. Asilomar, CA

2014: **Walsh, M.R.**, and S.B. Munch. Predator-induced phenotypic plasticity within and across-generations. *Evolution* 2014, Raleigh, NC

2011: **Walsh, M.R.** and D.M. Post. A cascade of evolution alters ecological change in lakes. *Evolution* 2011, Norman, OK

2010: **Walsh, M.R.**, and D.M. Post. Intraspecific variation in a fish predator drives evolutionary divergence in prey. *Evolution* 2010, Portland OR

2009: **Walsh, M.R.**, and D.N. Reznick. Influence of the indirect effects of guppies on life history evolution in *Rivulus hartii*. *Evolution* 2009, Moscow ID

2009: **Walsh, M.R.**, and D.N. Reznick. Influence of the indirect effects of guppies on life history evolution in *Rivulus hartii*. European Society for the Study of Evolutionary Biology, Turin, Italy

2008: **Walsh, M.R.**, and D.N. Reznick. Interactions between the direct and indirect effects of predators drive life history evolution in a killifish. *Evolution* 2008, Minneapolis MN

2008: **Walsh, M.R.**, and D.N. Reznick. Interactions between the direct and indirect effects of predators drive life history evolution in a killifish. Western Evolutionary Biologists Annual Meeting, Irvine CA

2008: **Walsh, M.R.**, and D.N. Reznick. Interactions between the direct and indirect effects of predators drive life history evolution in a killifish. Society of Integrative and Comparative Biology, San Antonio TX

2006: **Walsh, M.R.**, and D.N. Reznick. Life history evolution in *Rivulus hartii*. *Evolution* 2006, Stony Brook NY (poster)

Contributed Conference Presentations (given by lab personnel)

Graduate students underlined

[§]undergraduate student coauthor

2020: Packer, M., and **M.R. Walsh**. Morphological variation in sticklebacks drives evolutionary divergence in *Daphnia* prey. American Society of Naturalists Asilomar CA.

2019: Landy, J.A., and **M.R. Walsh**. The influence of an invasive predator on rapid evolution in prey: A test using resurrection. *Evolution* 2019 Providence RI

2019: Howell, K.J., and **M.R. Walsh**. The link between brain size and behavior in Trinidadian killifish. *Evolution* 2019 Providence RI

2018: Packer, M. and **M.R. Walsh**. Does phenotypic plasticity promote or impede adaptation? A test using experimental evolution. *Evolution* 2018 Montpellier France

2018: Beston, S., and **M.R. Walsh**. The evolution of vertebrate eye size across an environmental gradient in Trinidadian killifish. American Society of Naturalists. Asilomar, CA

2017: Beston, S., Wostl, E., and **M.R. Walsh**. The evolution of vertebrate eye size across an environmental gradient in Trinidadian killifish. Evolution 2017. Portland, OR

2017: Gillis, M. and **M.R. Walsh**. Rapid evolution mitigates the negative consequences of an invasive predator. Evolution 2017 Portland OR

2017: Goos, J. and **M.R. Walsh**. The evolution of eye size and eye size plasticity in *Daphnia*. Evolution 2017 Portland OR (poster)

2017: Packer, M. and **M.R. Walsh**. Adaptation to resource availability in *Daphnia*. Evolution 2017 Portland OR (poster)

2016: Beston, S.M., and **M.R. Walsh**. Predator driven brain size evolution in natural populations of Trinidadian killifish (*Rivulus hartii*). Evolution 2016, Austin TX

2016: Gillis, M., and **M.R. Walsh**. Rapid phenotypic evolution in response to invasion by a novel predator. ACES (UTA)

2016: Funkhouser, C., and **M.R. Walsh**. Geographic variation in body shape in killifish. ACES (UTA)

2016: Funkhouser, C., and **M.R. Walsh**. Predator-driven morphological evolution. Society of Integrative and Comparative Biology. Portland, OR

2015: Funkhouser, C., and **M.R. Walsh**. Predator-driven morphological evolution. ACES (UTA)

2015: Beston, S.M., C. Funkhouser, **M.R. Walsh**, S.F. Cushman. The severity of encystment patterns of black spot disease in minnow host *Rhinichthys atratulus* in Seneca watershed tributaries. Society for Freshwater Science Annual Meeting, Milwaukee WI

2014: Boyles, A., and **M.R. Walsh**. Life history evolution in mosquitofish in response to thermal effluent. American Fisheries Society Annual Meeting, Quebec City (poster).

2014: Biles, K.^S, F. Cooley IV, and **M.R. Walsh**. Predator-induced plasticity in *Daphnia*. ACES (UTA).

IX. TEACHING ACTIVITIES

Courses taught

2019 General Ecology (96 students)
2019 Undergraduate Research Experience (19 students)
2018 General Ecology (96 students)
2017 General Ecology (96 students)

2016 General Ecology (48 students)
2015 Experimental Design and Analysis (graduate course)
2015 General Ecology (96 students)
2014 Ecology and Evolution (180 students)
2014 General Ecology (48 students)
2013 Aquatic Biology (Graduate course)
2013 Experimental Design and Analysis (Graduate course)

X. MENTORING EXPERIENCE

(A) Graduate students supervised

Meghan Korte (PhD, 2019-present)
Kaitlyn Howell (PhD, 2017-present)
Michelle Packer (PhD, 2020)
Shannon Beston (PhD, 2019)
Mike Gillis (PhD, 2019)
Ben Allen (co-advised) (PhD, 2015)
Julian Holmes (MS, 2015)
Deirdre Whittington (MS, 2014)
Amanda Boyles (MS, 2015)

(B) Undergraduate students supervised (38 total, 15 for >1 year)

Bolded names are undergraduate coauthors

§LSAMP Scholar from Tarrant Community College

#students who completed senior thesis in my lab

Kelsey Hester, UTA (2013-15)

Jessica Stevens, UTA (2013-14)

Yomna Farooqui, UTA (2013-14)

#Jennifer Nguyen, UTA (2013-15)

#Ishrat Durdana, UTA (2013-15)

Jessica Majid, UTA (2013)

§**Frank Cooley IV, UTA (2013-15)**

#Mina Tricomi-Peugh, UTA (2013-15)

Fouzia Rahman, UTA (2013-15)

Tiffanie Liang, UTA (2014-16)

Michelle Packer, UTA (2014-15)

Jorge Garcia, UTA (2015-16)

Weffa Akrawi, UTA (2015-16)

Lizzette Partida, UTA (2015)

§Merari Garcia, UTA (2015)

Kaitlyn Howell, UTA (2015-16)

Rosemary Nigo, UTA (2015-16)
#Whitnee Broyles, UTA (2015-16)
Elxy Martinez, UTA (2015-16)
Adil Shivji, UTA (2015)
Taryn Flink, UTA (2016)
Amanda Ng, UTA (2015-2016)
Jocelyn Ramos Esquina, UTA (2015-16)
Romeeka Siddiqui, UTA (2015)
Michael Kinney, UTA (2016)
Justin Puia, UTA (2016)
#Sara Stearns, UTA (2016-2018)
Olivia Goodrich, UTA (2016-18)
Cameron Swain, UTA (2016-2018)
Jenny Nguyen, UTA (2018)
Gracieles Mireles Barron, UTA (2018)
§Virginia Applegate, TCC (2018)
Alix Oschmann, UTA (2018-2019)
Olivia Williams, UTA (2018-present)
Jasmine Montalvo, UTA (2018)
Alfredo Garnica, UTA (2019-present)
Lauren Wallace, UTA (2018-present)
Austin Hamilton (2018-present)
§Malayna Nachtigal (2019)
§Leilani Lilly (2019)
Nisha Gamadia (2019-2020)
Aleah Levine (2019-2020)
Josh Jacobs (2020-present)
Sarah Muh (2019-present)
Bibek Parajuli (2019-present)

XI. SERVICE ACTIVITIES

(A) Editor

2019-present: Associate Editor, *Evolution*

(B) Reviewer

Reviewer for 80 manuscripts since 2012 for the following journals:

Evolution, Ecology Letters, Proceedings of the Royal Society B, Philosophical Transactions of the Royal Society B, American Naturalist, Ecology, Functional Ecology, Journal of Animal Ecology, Molecular Ecology, Journal of Ecology, Journal of Evolutionary Biology, Evolutionary Applications, Freshwater Biology, Axios, Biological Journal of the Linnean Society, PLoS One, Ecosphere, Journal

of Sea Research, Hydrobiologia, Evolutionary Ecology, Journal of Experimental Biology, Oecologia, Population Ecology, Integrative and Comparative Biology, Ecology and Evolution, Oikos, Ecosphere

(C) Funding Agencies

2019: Served on NSF panel for NSF DEB

2019: Served on NSF postdoctoral research fellowship in biology panel for NSF BIO

2016: Served on NSF pre-proposal panel for NSF IOS

2015-16: Ad hoc reviewer for National Science Foundation (USA) and National Environmental Research Council (UK) proposals

(D) Societal

2016-present: ASN representative on the joint meeting committee for the annual Evolution conference

(D) Workshop Participant

2018: Organizer for symposium on the evolution of complex traits at Evolution 2018 in Montpellier France

2015: Organizer for symposium on the evolution of phenotypic plasticity at the 2015 Congress for the European Society of Evolutionary Biology (Lausanne, Switzerland)

2015: Priorities for long-term ecological research (NSF funded), Michigan State University

2013: Rapid evolution and sustainability at the Mathematical Biosciences Institute, Ohio State University

2011: Eco-evolutionary dynamics, Quebec Centre for Biodiversity Science