

SARAH E. WESTRICK

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EDUCATION & PROFESSIONAL EXPERIENCE

NSF Postdoctoral Fellow in Biology Supervisor: Dr. Eva K. Fischer University of Illinois Urbana-Champaign	2020 - present
PhD in Biopsychology Advisor: Dr. Ben Dantzer University of Michigan, Ann Arbor	2015 - 2020
Professional Research Assistant and Lab Manager Supervisor: Dr. Kim L. Hoke Colorado State University, Fort Collins	2014 - 2015
Laboratory Technician Supervisors: Drs. Lisa M. Angeloni and Cameron K. Ghalambor Colorado State University, Fort Collins	2011 - 2014
BS in Zoology and Biology, Honors Program Colorado State University, Fort Collins	2009 - 2013

GRANTS & AWARDS

UIUC Arnold O. Beckham Research Award - \$28,370	2020
NSF Postdoctoral Research Fellowship in Biology (DBI 2010714) - \$207,000	2020
Animal Behavior Society Graduate Student Travel Grant - \$500	2019
Rackham Graduate Student Research Grant - \$3,000	2019
Rackham Graduate Conference Travel Grant - \$800	2019, 2018, 2017, 2016
Rackham One-Term Fellowship (tuition and stipend)	2019
SICB Charlotte Mangum Student Support	2018, 2017, 2016
Rackham Graduate Student Research Grant - \$1,500	2017
American Society of Mammalogists Grants-in-Aid of Research - \$1,500	2017, 2016
UM Library Student Mini-Grant - \$1,000	2016
Diversity in Telomere Dynamics Workshop student bursary award - £845	2016
UM International Institute Individual Fellowship - \$2,500	2016

PUBLICATIONS

- Westrick SE, Laslo M, & Fischer EK. (2022) The big potential of the small frog *Eleutherodactylus coqui*. *eLife* 11(e73401). [link](#)
- Westrick SE, van Kesteren F, Boutin S, Lane JE, McAdam AG, & Dantzer B. (2021) Maternal glucocorticoids have minimal effects on HPA axis activity and behavior of juvenile wild North American red squirrels. *Journal of Experimental Biology* 224(10). [link](#)
- Westrick SE, Taylor RW, Boutin S, Lane JE, McAdam AG, Dantzer B (2020) Attentive red squirrel mothers have faster-growing pups and higher lifetime reproductive success. *Behavioral Ecology and Sociobiology*. 74(72). [link](#)
- Dantzer B, van Kesteren F, Westrick SE, Boutin S, McAdam AG, Lane JE, Gillespie R, Majer A, Haussmann M, Monaghan P (2020) Maternal stress promotes offspring growth without oxidative costs in wild red squirrels. *Journal of Experimental Biology*. 223(1). [link](#)
- Santicchia F, Wauters LA, Dantzer B, Westrick SE, Ferrari N, Romeo C, Palme R, Preatoni DG, Martinoli A (2019) Relationships between personality traits and the physiological stress response in a wild mammal. *Current Zoology*. 66(2): 197-204. [link](#)
- Westrick SE, van Kesteren F, Palme R, Boonstra R, Lane JE, Boutin S, McAdam AG, Dantzer B. (2019) Stress is not predictive of coping style in North American red squirrels. *Behavioral Ecology and Sociobiology*. 73(113). [link](#)
- van Kesteren F, Delehanty B, Westrick SE, Palme R, Boonstra R, Lane JE, Boutin S, McAdam AG, Dantzer B. (2019) Experimental increases in glucocorticoids alter function of the neuroendocrine stress axis in wild red squirrels without negatively impacting survival and reproduction. *Physiological and Biochemical Zoology*. 92(5), 445-458. [link](#)
- Westrick SE, Broder ED, Reznick DN, Ghalambor CK, Angeloni L. (2019) Rapid evolution and behavioral plasticity following introduction to an environment with reduced predation risk. *Ethology*. 125(4), 232-240. [link](#)
- Fischer EK, Westrick SE, Hartsough L, Hoke KL. (2018). Differences in neural activity, but not behavior, across social contexts in guppies, *Poecilia reticulata*. *Behavioral Ecology and Sociobiology*. 72(8), 131. [link](#)
- Dantzer B, Westrick SE, van Kesteren F. (2016). Relationships between endocrine traits and life histories in wild animals: insights, problems, and potential pitfalls. *Integrative and Comparative Biology*. 56(2): 185-197. [link](#)

TEACHING EXPERIENCE

Instructor of Record for Biology of Maternal Care (PSYCH 402)	2019
Developed a new seminar for senior psychology undergraduates in the Biopsychology, Cognition, & Neuroscience concentration	
Graduate Student Instructor for Intro to Animal Behavior (PSYCH 335)	2016, 2017
Lead Instructors: Dr. Ben Dantzer, Dr. Thore Bergman	
Responsible for 2-3 discussion sections per teaching semester	
Graduate Student Instructor for Intro to Behavioral Neuroscience (PSYCH 230)	2017
Lead Instructor: Dr. Martin Sarter	
Responsible for 3 discussion sections	

COMMUNITY ENGAGEMENT

Co-Chair of Institute for Genomic Biology Postdoctoral Association at UIUC	2021-2022
Biopsychology Graduate Student Departmental Associate at UM	2019-2020
Biopsychology Graduate Admissions Committee Member at UM	2019
Co-Chair of Psychology Graduate Student Association at UM	2018-2019
Graduate Leadership Council Member in Dept. of Psychology at UM	2018-2020
Member of:	
American Society of Naturalists, American Society of Mammalogists, Animal Behavior Society, International Society for Wildlife Endocrinology, Society of Behavioral Neuroendocrinology, Society of Integrative and Comparative Biology	

Peer-review for:

Behavioral Ecology, Behavioral Ecology and Sociobiology, Functional Ecology, General and Comparative Endocrinology, Hormones and Behavior, Journal of Comparative Physiology B, Journal of Experimental Zoology Part A, Mammal Review, Oecologia, Physiological and Biochemical Zoology, Physiology and Behavior, The Science of Nature

CONFERENCES AND PRESENTATIONS*Conference Talks*

Animal Behavior Society Meeting, virtual, invited symposium talk	2021
Society of Integrative and Comparative Biology Conference, San Francisco, CA	2018
Society of Integrative and Comparative Biology Conference, New Orleans, LA	2017
Diversity in Telomere Dynamics Workshop, Edinburgh, Scotland, UK	2016
Front Range Student Ecology Symposium, Fort Collins, CO	2012

Poster Presentations

Society of Integrative and Comparative Biology Conference, Austin, TX	2020
Animal Behavior Society Meeting, Chicago, IL	2019
Society of Integrative and Comparative Biology Conference, Tampa, FL	2019
Society of Integrative and Comparative Biology Conference, Portland, OR	2016
Animal Behavior Society Meeting, Boulder, CO	2013
Front Range Student Ecology Symposium, Fort Collins, CO	2012

Invited Seminars

Behavior Group, University of Minnesota, MN	2021
Dept of Ecology, Evolution, & Organismal Biology, Kennesaw State University, GA	2020
Dept of Evolution, Ecology, & Behavior, University of Illinois Urbana-Champaign	2020
Dept of Psychology (Biopsychology Area), University of Michigan, Ann Arbor	2017

Public Engagement Talks

Summer Science Nights, Haines Junction, YT, Canada	2017
University of Michigan Library Engagement Symposium, Ann Arbor	2017

REFERENCES

- Dr. Ben Dantzer – PhD advisor
Associate Professor of Psychology and Ecology and Evolutionary Biology
University of Michigan, Ann Arbor
dantzer@umich.edu
- Dr. Jacinta Beehner – PhD committee member
Professor of Psychology and Anthropology
University of Michigan, Ann Arbor
jbeehner@umich.edu
- Dr. Eva Fischer – Postdoctoral advisor
Assistant Professor of Evolution, Ecology, and Behavior
University of Illinois Urbana-Champaign
efischer@illinois.edu