

DANIELLE A. SCHMIDT

Department of Biology
University of British Columbia, Okanagan
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EDUCATION

- 2017- University of British Columbia Okanagan, M.Sc. Biology
- 2016 North Carolina State University, B.Sc. Zoology (Honors), Summa Cum Laude
University Scholar, Minors: Anthropology & Genetics
- 2015 The University of Cape Town, Semester Study Abroad

HONORS

- 2012-2016 Dean's List, North Carolina State University
- 2014-2016 Gamma Beta Phi Honor Society, North Carolina State University

PROFESSIONAL EXPERIENCE

- 2016 Teaching Assistant, Captive Animal Biology, North Carolina State University,
Supervisor: Dr. Jenny Campbell

RESEARCH EXPERIENCE

- 2017- Graduate Research Assistant, University of British Columbia, Okanagan
Supervisor: Dr. Michael Russello, Studying the extent and distribution of
genetic diversity within and among Western Rattlesnake populations
across British Columbia
- 2016 Research Technician, Frank Lab, North Carolina State University
Post-doctoral advisor: Dr. Warren Sconiers, Studied the impact of
increasing temperature on Bagworm development and survival
- 2015-2016 Undergraduate Research, Langerhans Lab, North Carolina State University
Post-doctoral advisor: Dr. Kaj Hulthén, Studied the influence of predation
risk on brain and behavioral lateralization in Bahamas Mosquitofish
- 2013- 2016 Undergraduate Research Assistant, Frank Lab, North Carolina State University
- 2015 Undergraduate Research, Frank Lab, North Carolina State University
Post-doctoral advisor: Dr. Sarah Jandricic, Studied the non-consumptive
effects of mite predation on development time and survival of thrips
insects
- 2014- 2015 Honors Research, Langerhans Lab, North Carolina State University
Supervisor: Dr. Brian Langerhans, Investigated the effect of predation risk
on the exploratory behavior of lab-raised Bahamas Mosquitofish

2014 Undergraduate Research, NCSU Bahamas Conservation Study Abroad, Andros Island, Bahamas
Supervisor: Dr. Brian Langerhans, Studied the impact of predation risk on exploratory behavior in wild-caught Bahamas Mosquitofish

PUBLICATIONS & PRESENTATIONS

Jandricic, S. E., Schmidt, D., Bryant, G., & Frank, S. D. (2016). Non-consumptive predator effects on a primary greenhouse pest: Predatory mite harassment reduces western flower thrips abundance and plant damage. *Biological Control*, 95: 5-12.

Heinen-Kay, J.L., Schmidt, D.A., Stafford, A.T., Costa, M.T., Peterson, M.N., Kern, E.M.A. and Langerhans, R.B. (2016). Predicting multifarious behavioural divergence between predation regimes in the wild. *Animal Behaviour*, 121:3-10.

"Handedness in Fish: Evidence for the influence of predation risk on brain lateralization in Bahamas Mosquitofish, Gambusia hubbsi. Schmidt, D., Hulthén, K., Heinen-Kay, J. Langerhans, B.R.

Presented at the 2016 W.M. Keck Center for Behavioral Biology Symposium at North Carolina State University

AWARDS AND GRANTS

2016 Nominee for the Outstanding Senior Research Award, North Carolina State University

2016 NCSU Award in Support of Undergraduate Research Experiences, \$1250

2015 Undergraduate Research Grant, North Carolina State University, \$750
Denied due to study abroad Spring 2015

VOLUNTEER ACTIVITIES/OUTREACH

2016 Darwin Day at The Museum of Natural Sciences, Raleigh, NC

2013-2015 BugFest at The Museum of Natural Sciences, Raleigh, NC

2015 SHAWCO, University of Cape Town, Spring 2015
Tutored 1-3rd graders in math at a primary school in Kensington

SKILLS

Microscope use

Basic Insect ID

Insect Specimen pinning & maintenance

Live fish care

Plant amino acid and carbohydrate assays

Plant maintenance and care

Image J analysis

Tpsdig2 and Tpsdigutil software

Basic knowledge of gel electrophoresis

Basic knowledge of DNA extraction