

SARAH L. SALOIS

University of Connecticut | sarah.salois@uconn.edu | <https://sarahsalois.weebly.com/>

EDUCATION

Ph.D., Ecology, Evolution and Marine Biology 2019
Northeastern University, Marine Science Center, Nahant, MA

Bachelor of Science, Biology 2012
Eastern Connecticut State University, Willimantic, CT

PUBLICATIONS

Salois, S.L., T.C. Gouhier, B.A. Menge. 2018. The multifactorial effects of dispersal on biodiversity in environmentally-forced metacommunities. *Ecosphere* 9.7: e02357.

Salois, S.L., T.C. Gouhier. 2019. Coexistence mechanisms collide across scales. *Manuscript in review*.

Salois, S.L., T.C. Gouhier, B. Helmuth, R. Seabra and F.P. Lima. Coastal upwelling generates cryptic temperature refugia. *Manuscript in prep*.

PROFESSIONAL PRESENTATIONS

Salois, S. (2020). An integrated approach to understanding metacommunity dynamics. Invited seminar: University of Massachusetts Dartmouth, New Bedford, MA.

Salois, S. and Gouhier TC. (2018). Coexistence mechanisms collide across scales. Oral presentation. MIT Ecology Meeting: Cambridge, MA.

Salois, S. and Gouhier, TC. (2017). Coexistence mechanisms collide across scales. Oral presentation. Ecological Society of America Meeting: Portland, OR.

Salois, S. and Gouhier, TC. (2015). Cross-scale interactions between local and regional processes drive the structure of metacommunities. Oral presentation. Ecological Society of America Meeting: Baltimore, MD.

Salois, S. and Gouhier, TC. (2014). Linking marine metacommunity patterns and processes across environmental gradients. Oral presentation. Ecological Society of America Meeting: Sacramento, CA.

Salois, S. (2012). The anatomy and physiology of coral competition: can corals vary their responses to competitors over small spatial scales? Oral presentation. Arts and Science Research Conference and Exhibition: Willimantic, CT.

Salois, S. (2010). Dairy Bull then and now: trajectories of Jamaican reefs provide evidence for phase shifts. Poster presentation. Western Society of Naturalists Meeting: San Diego, CA.

RESEARCH EXPERIENCE

- Postdoctoral Research Associate**, University of Connecticut 2019 – PRESENT
Metaecosystem model development.
Manipulative experiments, network analysis.
Advisor: Dr. Catherine Matassa
- Research Assistant**, Northeastern University Marine Science Center 2013 – 2019
Metacommunity model development and analysis.
Statistical analysis of high-frequency long term ecological time series.
Advisor: Dr. Tarik Gouhier
- Undergraduate Researcher**, Eastern Connecticut State University 2012
Observational study of ant-plant mutualism, Costa Rica.
Supervisors: Dr. Patricia Szczys, Dr. Philip Elliot
- Undergraduate Researcher**, Eastern Connecticut State University 2010, 2011
SCUBA surveys of benthic cover on coral reefs, Discovery Bay, Jamaica.
Analysis of *Porities lobata* physiology, UC Berkeley Gump Lab, Moorea.
Principle Investigator: Dr. Joshua Idjadi

TEACHING EXPERIENCE

- Teaching Assistant – Biostatistics**, Northeastern University 2013 - 2016
Taught lab sections of required undergraduate Biostatistics course.
Developed introductory script for Rstudio programming environment.
Designed and implemented weekly quizzes and lectures.
Graded midterms and programming assignments.
- Teaching Assistant – Ecology**, Eastern Connecticut State University 2010
Taught lab section of Ecology (non-bio major undergraduate course).
Developed and delivered an introductory lecture on human demography.

VOLUNTEERING AND OUTREACH

- Graduate Global Pathways Program**, Northeastern University 2017-2018
Met with international graduate students for conversation and cultural exchange.
- Blue Lobster Bowl**, MIT 2015
Science Grader for National Ocean Sciences Bowl competition for high school students.
- SMART (Science, Math and Relevant Technology) Girls Summit**, Girls Inc. 2014
Facilitated workshop to build under-water robots to middle and high school students.

GRANTS, HONORS AND AWARDS

- Dissertation Completion Fellowship: Northeastern University, **\$12,572** 2019
- Union of Concerned Scientists: Science Network Mentor Program 2018
- College of Science Travel Grant for Doctoral Students, **\$ 350** 2014, 2015, 2017
- Marine Science Center Travel Award, **\$300** 2014, 2015, 2017
- Yaw Barwuah Award for Outstanding Performance in Research 2012
- Beta Beta Beta National Biological Honor Society Member 2011, 2012