Lisa C. McManus

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EDUCATION

2012-2017 Ph.D. in Ecology and Evolutionary Biology, Princeton University
Advisor: Simon A. Levin

2006-2010 B.S. summa cum laude in Marine and Atmospheric Science, University of Miami

PROFESSIONAL EXPERIENCE

2017- Postdoctoral Associate, Department of Ecology, Evolution, and Natural Resources, Rutgers University. Supervisor: Malin L. Pinsky

HONORS AND AWARDS

2018 National Institute for Mathematical and Biological Synthesis Short-term Visit ($2000)
2015 Princeton EEB Women Scientists in Conservation Biology Research Award ($6000)
2015 Best Poster: NMFS-Sea Grant Fellows Symposium
2014-2017 NMFS-Sea Grant Fellowship in Population and Ecosystem Dynamics ($96,000)
2014-2017 National Defense Science and Engineering Graduate Fellowship ($250,000)
2014 Princeton Environmental Institute Walbridge Fund Graduate Award ($7500)
2013 Lerner-Gray Fund for Marine Research Award ($1400)
2013 Princeton EEB Seed Grant ($2500)
2013 National Science Foundation Graduate Research Fellowship – Honorable Mention
2012 Princeton University First Year Fellowship in Science and Engineering
2010 Rosenstiel School of Marine and Atmospheric Science Outstanding Student Award
2009 Phi Beta Kappa Honor Society
2008-2010 NOAA Hollings Undergraduate Scholarship

PUBLICATIONS

McManus LC, Vasconcelos VV, Levin SA, Thompson DM, Kleypas JA, Castruccio FS, Curchitser EN and Watson JR. Ecological implications of thermal stress and larval connectivity in the Coral Triangle. *In preparation.*

McManus LC, Watson JR, Vasconcelos VV and Levin SA. The stability and recovery of coral-algae systems: the importance of recruitment seasonality and grazing influence. *In revision* in Theoretical Ecology.

McManus LC, Yurek S, Teare PB, Dolan TE and Serafy JE. 2014. Killifish habitat suitability as a measure of coastal restoration performance: integrating field data, behavioral trials and simulation. Ecological Indicators 44:173-181.

McManus JW and **McManus LC**. 2012. Proposed Dredging for an Aircraft Carrier Turning Basin in Apra Harbor, Guam: Options for Assessment and Mitigation. Technical Report. Engineer Research and Development Center, U.S. Army Corps of Engineers. 121 pages.

PRESENTATIONS

2018 **Ocean Sciences Meeting**, Portland, Oregon. Contributed talk. Ecological implications of thermal stress and larval connectivity in the Coral Triangle.

2016 **International Coral Reef Symposium**, Honolulu, HI. Contributed talk. Larval dispersal as a mechanism for coral persistence on reef communities.

2015 **Ecological Society of America Annual Meeting**, Baltimore, MD. Contributed talk. Larval dispersal as a mechanism for coral persistence on reef metacommunities.

2015 **Pacific Islands Fisheries Science Center**, Honolulu, HI. Invited talk. Linking dispersal scales, genetic differentiation and persistence in corals.

2015 **National Marine Fisheries Service – SeaGrant Fellows Symposium**, Miami, FL. Poster presentation. Linking dispersal scales, genetic differentiation and persistence in corals.
2013 **Student Conference on Conservation Science**, New York, NY. Poster presentation. Modeling fine-scale coral connectivity on the Bermuda platform.
2013 **Princeton University-Marine Biology (EEB 312)**, Bermuda Institute of Ocean Sciences, St. George's, Bermuda. Guest lecture. Connectivity of Marine Ecosystems.

TEACHING EXPERIENCE

Department of Ecology and Evolutionary Biology
Assistant in Instruction for EEB 312 Marine Biology
Conducted precepts and facilitated marine science field and laboratory experiments.

Princeton University and Bermuda Institute of Ocean Sciences
St. George's, Bermuda
May – June 2013
Supervisors: James Gould and Samantha de Putron

Department of Ecology and Evolutionary Biology
Assistant in Instruction for EEB 211 Life on Earth
Presented lectures and facilitated biology laboratory experiments

Princeton University
Princeton, NJ
Sept. 2012 – Jan. 2013
Supervisors: Daniel Rubenstein and Stephen Pacala

New Brunswick High School STEM Club
Volunteer Instructor for Agent-based Modeling Class
Facilitated interactive programming lessons in NetLogo to members of the Science, Technology, Engineering and Math Club

New Brunswick High School
New Brunswick, NJ
Feb – April 2018
Contact: Rebecca Donatelli

ADVISING EXPERIENCE

Princeton University Princeton, NJ
Beth McKenna, undergraduate senior thesis (2012-2014)
Clare Gallagher, undergraduate senior thesis (2012-2014)

ADDITIONAL TRAINING

June 2014 Methods in Ecological Genome Analysis: Whole-genome genotyping with 2bRAD workshop led by Mikhail Matz (University of Texas), Summerland Key FL
January 2008 NMFS Marine Population Dynamics Workshop, Summerland Key FL

PROFESSIONAL ASSOCIATIONS

International Society for Reef Studies, Ecological Society of America, Association for the Sciences of Limnology and Oceanography

SKILLS

Scientific Diver: 300+ logged scientific dives
Programming languages – Python, Mathematica, MATLAB, Latex
Foreign languages – Filipino (native)

SERVICE

Princeton University Princeton, NJ
Organizer Theoretical Ecology Lab Tea Seminar Series (2013-2014)
Organizer Conservation Book Club (2013-2015)
Reviewer American Naturalist