
Woods Hole Oceanographic Institution
Biology Department Seminar



Thursday, June 8, 2017
Redfield Auditorium – 12:00 Noon

**Coastal pollution, next-generation
sequencing, and the evolution of marine
populations**

Dr. Jon Puritz

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My research program uses genomic analyses to investigate how natural and anthropogenic processes impact the evolution of marine populations through the lens of larval dispersal. I combine laboratory multi-stressor larval exposure experiments with genomic surveys of natural populations, analyzing patterns of selection and migration in a geographic context using landscape (or seascape) genomic models. A secondary goal of my research is the development of laboratory and bioinformatic methods to facilitate the use of next-generation sequencing in marine population genomics. I work on a variety of marine species, including sea stars, crabs, oysters, and sharks.