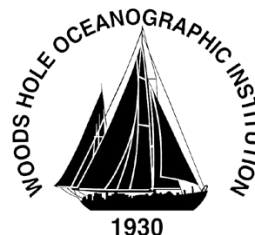


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Woods Hole Oceanographic Institution  
**Biology Department Seminar**



Thursday, January 25, 2024 – 12:00 Noon

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## **A Genetically Tractable Jellyfish Model for Systems and Evolutionary Neuroscience**

**Brady Weissbourd**

Assistant Professor of Biology, MIT

Jellyfish have successfully hunted the oceans for ~600 million years; over this long history, they have played critical roles in ocean ecosystems, including tremendous socioeconomic impacts in modern times. Most recently, they are also presenting exciting model organisms for basic biological research due to their experimental tractability, evolutionary position, and shocking regenerative abilities. Here, I will describe the development of the jellyfish, *Clytia hemisphaerica*, as a laboratory model for neuroscience research. Using a suite of newly established genetic tools, I will present preliminary findings on how the distributed jellyfish nervous system is organized to robustly control behavior. Looking forward, *Clytia* presents exciting opportunities to deeply study the biology of these remarkable animals, with implications for systems, evolutionary, and regenerative neuroscience.

**HYBRID! In Person:** Redfield Auditorium **Zoom:** <https://whoi-edu.zoom.us/j/96572377243> Meeting ID: 965 7237 7243 **By phone:** Find your local number: <https://whoi-edu.zoom.us/u/acAy91uTrV>