

**2019 MBL-ASU Seminar: Uncovering the Logic of Regeneration Across Complex Living Systems**

	Thursday, May 16	Friday, May 17	Saturday, May 18	Monday, May 20	Tuesday, May 21
9:00a-9:30a	Opening from Nipam Patel, Director, Marine Biological Laboratory	Stem Cells: Eric Röttinger: Regeneration vs. Development: Is regeneration different from development?	Neurons: Fabio de Sio: European regeneration research in vertebrates, 1900-1945	Intro to Ecosystems & Shifting Baselines, Fritz Davis & Dave Remsen	Microbial Ecology to Ecosystems: Andrew Inkpen & Derek Skillings: Microbial Ecology Regeneration? For and Against
9:30a-10:00a	Introduction from Kate MacCord, Program Administrator & McDonnell Foundation Fellow; Kathryn Maxson Jones, McDonnell Foundation Scholar, 2018-2019	Stem Cells: Michel Vervoort: Regeneration and Stem Cells	Neurons: Pamela Imperadore: Neural Regeneration Research After WWII: The Contributions of Cephalopods		
10:00-10:30a		Stem Cells: Lucie Laplane: What are stem cells, and why does it matter?	Neurons: Kathryn Maxson Jones: Aquatic Organisms and Neuron Regeneration, 1975-Present		
10:30-11:00a	Break	Break	Break	Break	Break
11:00-11:30a	Introductory presentations by the participants: Each participant presents his or her research interests, goals, and relevance to 2019 seminar topic. Five minutes per person are allotted. Organized by John Beatty	Discussion of reading and lectures: Q & A, stem cells and regeneration	Neurons: Discussion of readings and lectures, focused on two driving questions: 1. Why study regeneration at a particular time in history? 2. Why study regeneration in a particular organism?	Microbial Ecology to Ecosystems John Huss & Fritz Davis: Refaunation in the Florida Keys and Krakatoa	Microbial Ecology to Ecosystems: John Huss: Broad synthetic wrap-up discussion
11:30a-12:00p					
12:00p-12:30p	Lunch, Swope Cafeteria	Lunch, Swope Cafeteria	Lunch, Swope Cafeteria	Lunch, Swope Cafeteria	Lunch, Swope Cafeteria
12:30p-1:00p					
1:00p-1:30p					
1:30p-2:00p	Discussion of historical context of regeneration in complex living systems, led by Jane Maienschein	Germ Cells: Kate MacCord: History and Philosophy of Germ Cells	Mid-week reflections, led by John Huss	Microbial Ecology to Ecosystems: Melissa Wills: Microbiome Restoration: Babies and Biobanks	Group presentations
2:00p-2:30p		Germ Cells: Duygu Özpolat: Germ Line Regeneration Across Metazoa			
2:30p-3:00p		Germ Cells: Nipam Patel: Germ Line Regeneration in Parhyale			
3:00p-3:30p	Break	Break	Break	Daily wrap-up, led by James Collins	Break
3:30p-4:00p	Group leader panel on collaborations between HPS + Life sciences, led by Susan Fitzpatrick, President & CEO, James S. McDonnell Foundation	Germ Cells: Discussion with Kate MacCord & Duygu Özpolat	Group work	Break	Wrap up & looking forward, led by Kate MacCord, Kathryn Maxson Jones, and Jane Maienschein
4:00p-4:30p					
4:30p-5:00p	Set up groups, under direction of Karl Matlin. Work on T-shirts with John Beatty	Daily wrap-up, led by James Collins		Mizell Lecture: Alejandro Sanchez Alvarado: Past, Present, and Possible Futures of Regeneration Research	Break
5:00p-5:30p	Dinner, Swope Cafeteria	Dinner, Swope Cafeteria	Dinner, Swope Cafeteria	Dinner, Swope Cafeteria	Farewell Dinner, Swope Private Dining Room
5:30p-6:00p					
6:00p+					

Updated: 14.May.2019