

This conference was organized by Kate MacCord and Kathryn Maxson Jones,
with funding from the McDonnell Initiative at the Marine Biological Laboratory.

The McDonnell Initiative is generously funded by the James S. McDonnell Foundation.

54th Joint Atlantic Seminar for the History of Biology (JAS-BIO)

The McDonnell Initiative at the
Marine Biological Laboratory

Marine Biological Laboratory
Woods Hole, MA
March 30th, 2019

Historians and philosophers of science and scientists work on the same problems. So, why not work on these problems together and transform the way we understand them? That's what we do.

We argue that all living systems, from microbial communities, to organisms, to ecosystems, maintain some capacity to repair and to maintain themselves in the face of events that cause disturbances or damage. But does the concept of regeneration mean the same thing at each level? How does an understanding of one level inform the others? Is there an underlying logic of regeneration across complex living systems?

We at the McDonnell Initiative seek to answer questions such as these, and more, by convening interdisciplinary working groups that examine different levels of biological organization. For more information about the McDonnell Initiative, please visit:

<https://mcdonnellinitiativeatmbl.com/>

Program Design:
Challie Facemire, Kate MacCord, & Kathryn Maxson Jones

Program Art:
Octopus by Julia Child, Horseshoe crab from Leuckart Series 1, Chart 90.
Both available online at hpsrepository.asu.edu

Saturday, March 30th, 2019

[Meigs Room in Swope Building--Map Location #15]

9:20AM-9:30AM | Introduction and Welcome

Kate MacCord & Kathryn Maxson Jones, Conference Coordinators

9:30AM-10:30AM | Fish, Sugar, and Kitchens: Consumers and Biology in the 19th and Early 20th Centuries

Chair: Beatrice Steinert, Harvard University

“Saccharin and the Expert Witness: U.S. vs. Monsanto (1919-1925) and the Legacy of the Pure Food and Drug Movement in the Interwar Period”

Julia Stone, Princeton University

“Delivering Bacteriology to the Sanitary Homemaker: Distance Education, Kitchen Experiments, and Public Health, 1890–1930”

Alexander Parry, Johns Hopkins University

10:30AM-11AM | Break [Swope 2nd Floor Lobby]

11AM-12:30PM | Finding Meaning in the Small Stuff

Chair: Gina Surita, Princeton University

“From Dancing Bees to Step-Counting Ants: A Productive Tradition of Finding Meaning in the Actions of Insects”

Kelle Dhein, Arizona State University

“Eenheid en verscheidenheid: Engineering a Theory of Microbial Metabolism”

Charles Kollmer, Princeton University

“Intergenerational Transmission of Ethnobotanical Knowledge through Women: A Remembrance of Dr. Isabella Aiona Abbott (1919-2010), World Renowned Expert in Central and Pacific Algae”

Aja Oona Grande, MIT

12:30PM-1:30PM | Lunch [Swope Cafeteria]

1:30PM-3PM | Knowledge Claims and Epistemic Persuasion

Chair: Kathryn Maxson Jones, Princeton University & Marine Biological Laboratory

“Tracing Racial Illustrations in Historic Cranial Collections, 1790-1850: Camper, Blumenbach, and Morton”

Paul Wolff Mitchell, University of Pennsylvania

“Moving Pictures: Sociobiology and Public Persuasion”

Cora Stuhrmann, Ludwig-Maximilian-University Munich

“Let Chromosomes Speak: The Beginning of the Cytogenetics Program at ABCC/RERF, 1967-1975”

Sumiko Hatakeyama, University of Pennsylvania

3PM-3:30PM | Break [Swope 2nd Floor Lobby]

3:30PM-4:30PM | Genes and the Present: Ways of Knowing in Molecular Biology

Chair: Kate MacCord, Marine Biological Laboratory

“On the Artificial Recreation of Evolution in Laboratory Settings”

Cédric Blais, Dalhousie University

“Gene Drive Guardians: Ways of Knowing and Biological Control in New Zealand”

Christian H. Ross, Arizona State University

4:30PM-5:30PM | An Introduction to Computational History of Science

“The History of Science and the Science of History: Computational Methods, Algorithms, and the Future of the Field”

Abraham Gibson, Arizona State University

5:30PM-6:15PM | Cocktail Mixer [Swope 2nd Floor Lobby]

6:15PM-7:30PM | Festive Dinner [Swope Private Dining Room]

7:45PM-9PM | Informal Gathering at Quicks Hole Tavern