

Cross-Cutting Workshop: Reflections on NSF's Understanding the Rules of Life Program

MEETING OBJECTIVES

- Discuss individual and collective scientific advancements toward understanding heuristics, predictable processes, and their exceptions for biological systems.
- Understand the contributions of disciplinary convergence in enabling or driving the scientific advances.
- Determine how research groups incorporated multi-disciplinary, systems-level approaches into their projects.
- Identify the broader implications of the scientific advances and research ecosystem (e.g., multi-disciplinary research) from research funded by the URoL program to address highly complex, interconnecting systems (e.g., the biosphere) and discuss the future of life-science research and education.
- Explore future societal needs and scientific questions that may be addressed by the achievements from the URoL (i.e., identify opportunities for exploration).
- Highlight rules of life that are generalizable across fields and scales.

MARCH 28, 2023

OPEN

12:00-12:20pm EST **Welcome and Introductions, Workshop Goals and Expectations**

Stephen Fiore, University of Central Florida

Jeanne Garbarino, Rockefeller University

12:20-2:20 pm **Interactive Discussion on Rules of Life, Multidisciplinary Research and Education/Training to Support Convergent Research, and Broader Impacts**

Moderators:

Stephen Fiore, University of Central Florida

Jeanne Garbarino, Rockefeller University

Discussants:

Leonora Bittleston, Boise State University

James Carothers, University of Washington

Tina Eliassi-Rad, Northeastern University

Zachary Freedman, University of Wisconsin-Madison

Emma Frow, Arizona State University

Ramesh Goel, University of Utah

Sandra Loesgen, University of Florida

Lucas Miller, Texas A&M University

Hollie Putnam, University of Rhode Island

Cross-Cutting Workshop: Reflections on NSF's Understanding the Rules of Life Program

Keith Slotkin, Donald Danforth Plant Science Center
James Strange, The Ohio State University
Erika Szymanski, Colorado State University
Maioyan Wang, University of Wisconsin-Madison

2:20-2:30 pm

Break

2:30-3:00 pm

Attendees Views on Common Themes, Summary of Key Outcomes and Themes

Stephen Fiore, University of Central Florida
Jeanne Garbarino, Rockefeller University

3:00 pm

Adjourn