



SCIENCE FOR THE BENEFIT OF HUMANITY



THE SIMONS
CENTER for SYSTEMS BIOLOGY
BLOOMBERG HALL • INSTITUTE FOR ADVANCED STUDY

The Joshua Lederberg – John von Neumann Symposium: *Towards Quantitative Biology*

Hosted by: The Rockefeller University and The Simons Center for Systems Biology, Institute for Advanced Study

Tuesday, November 19, 2019 | 9:30 a.m.–5:00 p.m. | Carson Family Auditorium, The Rockefeller University

Registration

Please register at: rockefeller.edu/lederbergvonneumann. The deadline for registration is November 4, 2019.

Program

- 9:30 – 10:00 a.m. Check-in and Continental Breakfast, *Greenberg Building Lower Lobby*
- 10:00 – 11:00 a.m. **Primary Productivity of the Planet**
Paul Falkowski
Distinguished Professor, Bennett L. Smith Chair in Business and Natural Resources, Departments of Earth and Planetary Sciences and Marine and Coastal Sciences, and Board of Governors Professor and Director, Rutgers Energy Institute, Rutgers University
- 11:00 – 11:15 a.m. Coffee and Tea Break, *Greenberg Building Lower Lobby*
- 11:15 a.m. – 12:15 p.m. **The Biomass Distribution on Earth**
Ron Milo
The Charles and Louise Gartner Professional Chair and Associate Professor, Department of Plant and Environmental Sciences, Weizmann Institute of Science
- 12:15 – 1:30 p.m. Buffet Lunch, *Abby Dining Room and Faculty Club*
- 1:30 – 2:30 p.m. **Structure and Dynamics of Microbial Ecosystems in Sediment**
Alexander Petroff
Assistant Professor, Department of Physics, Clark University
- 2:30 – 3:30 p.m. **Tigers in the 21st Century: Survival or Extinction?**
Uma Ramakrishnan
Associate Professor, National Centre for Biological Sciences; Senior Fellow, Wellcome Trust/DBT India Alliance
- 3:30 – 4:00 p.m. Coffee and Tea Break, *Greenberg Building Lower Lobby*
- 4:00 – 5:00 p.m. **Biodiversity Change During the Anthropocene**
Mark Vellend
Professor, Department of Biology, Université de Sherbrooke
- 5:00 – 6:00 p.m. Social Hour, *Faculty Club*