New Frontiers of Microbiology Symposium
January 9th | 9am-4pm
Orin Smith Auditorium, South Lake Union Campus

9:00 Introduction by David Sherman, Chair, Microbiology

9:05 Patrick Mitchell (Berkeley): Innate immune sensing of pathogen-specific activities

9:45 Jordan Bisanz (UCSF): Caloric restriction reshapes the gut microbiome contributing to weight loss and the expansion of C. difficile

10:25 Coffee Break

10:45 Manoshi Datta (Technion): Towards “ecology guided” treatments for infectious disease

11:25 Allison Williams (Pasteur): Atomic-level probing of the peptidoglycan biosynthetic machinery identifies a central hub and exposes a bacterial Achilles heel

12:05 Lunch Provided

1:00 Alexander Meeske (Rockefeller): Molecular mechanisms of anti-viral immunity by RNA-targeting CRISPR-Cas systems

1:40 Cameron Myhrvold (Broad Inst.): Cas13-based technologies for viral detection and destruction

2:20 Break

2:40 Monica Guo (MIT): Unraveling the molecular basis of chromosome organization: from the single-molecule to the genomic scale

3:20 Hoong Chuin Lim (Harvard): Unraveling Mycobacterial envelope biogenesis using Corynebacterium glutamicum as a model system

4:00 Wrap up: Pete Greenberg, Professor of Microbiology, Search Committee Chair