

Building 68 Retreat, June 2020

(Refer to registration confirmation email for Zoom logon ID and password)

Tuesday, June 2 | Day 1 Session Chair: Becky Lamason

11:00-11:05	Introduction/Welcome Michael Laub
11:05-11:25	Shalini Gupta Bell Lab ORC Backflips to Establish Bidirectional DNA Replication
11:25-11:45	Kristin Zuromski Sauer Lab Modular and coordinated activity of AAA+ active sites in a double-ring unfoldase
11:45-12:05	Sora Kim Baker Lab Structural Analysis of the Adaptor-Bound AAA+ Protease ClpAP
12:05-12:25	Steven Cohen Drennan Lab Preliminary structural characterization of acetyl-CoA decarbonylase/synthase, an enzyme complex critical to microbial methane production
12:25-1:15	Small Group Discussions Followed by a short break
1:30-1:50	Constantine Mylonas Boyer Lab Elucidating RNA Polymerase II dynamics at a genomic and single molecule level
1:50-2:10	Naomi Tominaga Guarente Lab Development of a Human Cell-Based Screening Platform for Dysferlinopathy
2:10-2:30	Eugene Lee Horvitz Lab Associative learning in the nematode <i>C. elegans</i>
2:30-2:55	Seychelle Vos Vos Lab Understanding transcription in context of the genome and its architecture



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Wednesday, June 3 | Day 2 Session Chair: Michael Laub

11:00-11:05	Introduction/Welcome Michael Laub
11:05-11:25	Greg Dodge Imperiali Lab Bridging the gap - mGAPs as tools for glycobiology and beyond
11:25-11:45	Theresa Hwang Keating Lab Putting short linear motifs into context: a case study on Ena/VASP EVH1 domains
11:45-12:05	Sarah Nordeen Schwartz Lab A nanobody suite for yeast scaffold nucleoporins provides details of the Nuclear Pore Complex structure
12:05-12:25	Bertina Telusma Davis Lab Measuring autophagic flux using quantitative proteomics
Break	
1:30-1:50	Grace Johnson Li Lab Functionally uncoupled transcription-translation in <i>Bacillus subtilis</i>
1:50-2:10	Jasmin Imran Alsous Martin Lab Dynamics of nurse cell dumping
2:10-3:00	Keynote Lecture Bruce Walker, CEO and Director, Ragon Institute of MGH, MIT and Harvard; Professor of the Practice, Department of Biology



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Thursday, June 4 | Day 3 Session Chair: Adam Martin

11:00-11:05	Introduction/Welcome Michael Laub
11:05-11:25	Joshua Jones Grossman Lab Effects of the mobile genetic element ICEBs1 on bacterial host fitness
11:25-11:45	Chantal Guegler Laub Lab Phage-induced shutdown of host transcription activates a toxin-antitoxin system to abort infection
11:45-12:05	Vignesh Babu Walker Lab Functions of the YbeY protein: roles in 16S ribosomal RNA processing, ribosome assembly and more
12:05-12:25	Linda Zhong Sinskey Lab Engineering PET degrading enzymes for recycling and bioremediation
12:25-12:50 Break-time activity	Why Don't We Just Dance: Zumba session Fen Tung, Sinskey lab Followed by a short break
1:30-1:50	Nima Jaber-Lashkari Calo Lab Investigating the function of Myosin-9 as an RNA-binding protein
1:50-2:10	Bridget Begg Burge Lab Secondary motifs enable concentration-dependent regulation by Rbfox family proteins
2:10-2:40	Choongman Lee Cissé Lab Enhancing Endogenous Transcriptional Condensates in Live Stem Cells Using Opto-droplets
2:40-3:00	Jon McGinn Lamason Lab Dissecting the genetic networks underlying host subversion during <i>Rickettsia</i> infection
3:00-3:15	Closing Remarks Alan Grossman, Department Head



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