



Yale Center for RNA Science and Medicine
9th Annual Retreat
September 24, 2021 – Marsh Auditorium, YSB
12 minute talks + 8 minute Q&A
Organized by Wendy Gilbert

9:00 – 9:10 AM	Opening Remarks - Karla Neugebauer (MB&B)
Session I	
Chair: Diana Martínez-Saucedo	
9:10 – 9:30 AM	Junjie Guo (Neuroscience) "Targeting SARS-CoV-2 programmed -1 ribosomal frameshifting"
9:30 – 9:50 AM	Anna Pyle (MCDB) "A diversity of riboregulatory motifs within the ORFs of RNA viruses HCV and SARS-CoV-2"
9:50 – 10:10 AM	Brett Lindenbach (Microbial Pathogenesis) "Fermentations on SARS-CoV-2 Replication"
10:10 – 10:30 AM	Luisa Escobar-Hoyos (Therapeutic Radiology and MB&B) "Altered RNA splicing: a driver event in pancreatic cancer"
10:30 – 10:55 AM	Coffee
Session II	
Chair: Jackson Gordon	
10:55 – 11:15 AM	Josien van Wolfswinkel (MCDB) "piRNAs and the eternal life of planarian stem cells"
11:15 – 11:35 PM	Carson Thoreen (Cellular & Molecular Physiology) "Post-transcriptional functions of mRNA 5' terminal sequences"
11:35 – 11:55 AM	Shervin Takyar (Medicine) "A Tale of Tailing and Trimming in Cancer"
11:55 – 12:15 PM	Maria Parente "Yale Pathways to Science"
12:15 – 1:30 PM	Lunch
Session III	
Chair: Dorthy Fang	
1:30 – 1:50 PM	Smita Krishnaswamy (Genetics and Computer Science) "Deep Representation learning for biomolecular analysis and design"
1:50 – 2:10 PM	Mark Saltzman (Biomedical Engineering) "Nanoparticle delivery systems for mRNA"
2:10 – 2:30 PM	Stephanie Halene (Hematology) "Mutations in splicing factors alter RNA binding and splicing and RNA granule biology"
2:30 – 2:50 PM	Claudio Alarcón (Pharmacology) "Exploring the Role of the m6A RNA Modification in Homeostasis and Disease"
2:50 – 3:15 PM	Coffee
Session IV	
Chair: Michael Mohsen	
3:15 – 3:35 PM	Grace Chen (Immunobiology) "RNA modifications in Immunity"
3:35 – 3:55 PM	Marc Hammarlund (Genetics and Neuroscience) "Function and Regulation of the <i>xbp-1</i> ncRNA"
3:55 – 4:15 PM	Sarah Slavoff (Chemistry and MB&B) "Small Open Reading Frame-Encoded Microproteins that Regulate Ribosome Biogenesis"
4:15 – 4:35 PM	Matt Simon (MB&B) "Revealing the kinetics of promoter-proximal pausing with nucleotide recoding chemistry"
4:35 – 4:45 PM	Closing Remarks - Karla Neugebauer (MB&B)
4:45 – 6:00 PM	Reception