2021 Annual Retreat Research Presentations

The University of Texas at Austin
Interdisciplinary Life Sciences Graduate Programs
College of Natural Sciences

September 4, 2021

Time (CST)	Speaker	Title
9:10 - 9:20	**Lauren Ehrlich**, Molecular Biosciences Dept.	T-Cells are Terrific
9:20 - 9:30	**Arbel Harpak**, Integrative Biology Dept.	Genomic Prediction of Complex Traits: Why so complex?
9:30 - 9:40	**Evan Wang**, Biomedical Engineering Dept.	Minimally-invasive, Cell-type Specific Sono-optogenetics
9:40 - 9:50	**Edward Marcotte**, Molecular Biosciences Dept.	Proteins Through an Evolutionary Lens
9:50 - 10:00	**Elif Sarinay-Cenik**, Molecular Biosciences Dept.	How Do Ribosomes Communicate with Other Cellular Processes?
		BREAK
10:30 - 10:40	**Jessie Zhang**, Molecular Biosciences Dept.	Living in a Bubble: Phosphorylation Regulation of RNA Polymerase II
10:40 - 10:50	**Seongmin Lee**, Oncology Dept., College of Pharmacy	Oxoadenine: A Long-Forgotten DNA Lesion
10:50 - 11:00	**Steve Vokes**, Molecular Biosciences Dept.	Repressing the Repressor: Temporal and Epigenetic Regulation of Hedghog Signaling in Development and Disease
11:00- 11:10	**Blerta Xhemalce**, Molecular Biosciences Dept.	Targeting RNA Modifiers in Cancers
11:10 - 11:20	**Rick Russell**, Molecular Biosciences Dept.	Repulsive DNA: Using Crosslinking to Measure Electrostatics
		BREAK
12:20 - 12:30	**Andres Jara-Osegera**, Molecular Biosciences Dept.	High-throughput Methods to Understand Molecular Sensors
12:30 - 12:40	**Arlen Johnson**, Molecular Biosciences Dept.	A Structural Checkpoint for Nuclear Export of Ribosomes
12:40 - 12:50	**Can Cenik**, Molecular Biosciences Dept.	Single Cell Quantification of Ribosome Occupancy in Early Mouse Development
12:50 - 1:00	**Yi Lu**, Chemistry Dept.	Design and Directed Evolution of Metalloenzymes in Biocatalysis, Biomedical Imaging and Gene Editing
1:00 - 1:10	**Dan Dickinson**, Molecular Biosciences Dept.	Cell Polarity: From Molecules to Organoids
1:10 - 1:20	**Ilya Finkelstein**, Molecular Biosciences Dept.	Folding the 3D Genome One Molecule At a Time
		BREAK
1:50 - 2:00	**John Wallingford**, Molecular Biosciences Dept.	Body Sculping: How embryos Construct Themselves
2:00 - 2:10	**Justin Havird**, Integrative Biology Dept.	All about mitochondrial mutations
2:10 - 2:20	**Stepen Yi**, Oncology Dept., Dell Medical School	Decoding life code: Gain-of-function Mutations and Multi-omics in Cancer
2:20 - 2:30	**Tanya Paull**, Molecular Biosciences Dept., Oncology Dept.	DNA damage and consequences for disease
2:30 - 2:40	**Kyle Miller,** Molecular Biosciences Dept.	To the End: How Chromosomes Maintain Telomeres in Cancer