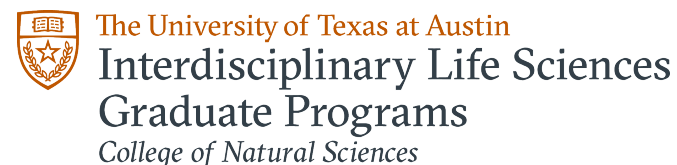


# 2021 Annual Retreat Research Presentations

September 4, 2021



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