

Friday Sept. 8:

4-6pm Check In

6-7:30pm Welcome Dinner

7:30pm-Welcome and Announcements

7:35-7:50pm Jeff Gross "Regeneration in the vertebrate retina"

7:50-8:05pm Ryan Gray "Activation of CREB signaling controls a feedback loop required for homeostasis of the spine"

8:05-8:20pm Kristin Graham "Liquid-like VASP droplets drive actin polymerization and bundling"

8:20-8:35pm Can Cenik "Single cell measurements and predictive modeling of translation"

8:35-8:50pm BREAK

8:50-9:05pm Vernita Gordon "Impact on immune interactions with biofilm infections of that half-day of Introductory Mechanics that you slept through"

9:05-9:20pm David Taylor "Machines destroying genes"

9:20-9:35pm Dan Leahy "In situ cryo-electron tomography of human integral membrane proteins"

9:35-9:50pm Zunlong Ke "Revealing the Molecular Mechanisms of Human Enveloped Viruses with Cryo-Electron Tomography"

9:50-10:05pm Elif Sarinay Cenik "Scaling Life: How the Nucleolus Shapes Cells, Organs, and Beyond"

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Saturday Sept. 9:

7:15-8:30am Breakfast

9:00-9:15am Despoina Mavridou "The provenance and evolution of antibiotic resistance proteins"

9:15-9:30am Jason McLellan "Structural Vaccinology"

9:30-9:45am Arielle Woznica "Choanoflagellates and the Origin of Animal Immunity"

9:45-10:00am Bryan Davies "Microbes and Small Proteins"

10:00-10:15 Yi Lu "Computational design and directed evolution of metalloenzymes and their applications in synthetic biology, biomedical imaging and gene therapy"

10:15-10:30am BREAK

10:30-10:45am Andy Ellington "Robotic biology and BioRobots"

10:45am-11:00am Ilya Finkelstein

11:00-11:15 Jaime Lopez "So many ways to die but only one way to make linear ubiquitin chains"

11:15-11:30am Kun Yang "DNA Roadblocks: Formation and Removal"

11:30-11:45am Jaquelin Dudley "Retroviruses as Tools for Cancer Discovery and Treatment"

11:45-12:00pm Stephen Ekker "A platypus' guide to genome writing and entrepreneurship"

12-1pm Lunch

1-5pm Free Time

5:00-6:15pm Poster Session

6-7:30pm Dinner



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Saturday Sept. 9:

6-7:30pm Dinner

7:45-8:00pm Jessie Zhang "1+1 > 2: Combination of experimental structural biology and AI for better understanding and design of proteins and drugs"

8:00-8:15pm Dan Dickinson "Cell Polarity: From Molecules to Embryos"

8:15-8:30pm Johann Eberhart "Getting a head in life"

8:30-8:45pm George Bittner "Repair of traumatic damage to axons: a better treatment for Luke Skywalker?"

8:45-9:00pm BREAK

9:00-9:15pm Brian Belardi "Turning the switch on the cytoskeleton with CASTs"

9:15-9:30pm Greg Ippolito "B Cell Receptors and Circulating Immunoglobins: Analysis of the Two Antibody Repertoires"

9:30-9:45pm Jon Huibregtse "The Ins and Outs of ISG15, an Interferon-Induced Ubiquitin-like Protein"

9:45-10:00pm Steve Vokes "Timing is Everything: interpreting Hedgehog signaling responses"

Sunday Sept. 10:

8-9:15am Breakfast

11am Check Out

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