

SoCal CryoEM Symposium 2023 - Poster Session

Tamar Basiashvili UC San Diego	Cryo-ET characterization of LRRK2 associated cellular organelles
Atty Chang Scripps Research	Defining the molecular basis and regulation of mitochondrial co-translational protein import
Xinyi Chen UC Riverside	Structural basis for the H2AK119ub-specific DNMT3A-nucleosome interaction
Zhen Chen Caltech	De novo protein discoveries using high-resolution cryoET
Nicolas Coral UCLA	Integrating cryoEM and cryoET to localize the elusive capping enzyme of a double-stranded RNA virus
Merve Demir SBP	Structure-based Drug Discovery Targeting Mitochondrial Creatine Kinase
Austin DuBose UC Santa Barbara	Modulating Tau Fiber Formation: model peptides to replicate folding mechanisms
Armin Foroughi UC San Diego Raymond Berkeley	Removal of false particle images from cryoEM data using ANTIDOTE - A Neural network Trained In Deleterious Object Elimination
Fumiaki Ito USC/UC Los Angeles	Structural basis for HIV-1 Vif mediated antagonism of APOBEC3H
Jonathan Jih UC Los Angeles	Structures and Configurations of the Human Cytomegalovirus Portal-Associated Tegument Complex
Haley Jun USC	3D Reconstruction of Amyloid-beta Fibrils; A Novel Method to Find Therapeutics in Alzheimer's Disease
Saarang Kashyap USC Ethan Crofut	De novo Identification of Motility Proteins in T.Vaginalis Using cryo-EM
Niklas Klusch HHMI	2 Å cryo-EM structure of the respiratory I+III ₂ supercomplex from Arabidopsis thaliana
Olivia Konttinen UC Santa Barbara Ethan Ward Drew McDonald	The structural basis of epigenetic regulation in DNA methyltransferases CcrM and DNMT3A
Bongjin Koo UC Santa Barbara	CryoChains: Heterogeneous Reconstruction of Molecular Assembly of Semi-flexible Chains from Cryo-EM Images
Joan Lee Scripps Research	Examining E. Coli Ribosomal Intermediates using Cryo-ET and Single Particle Cryo-EM
Juliet Lee Caltech	The Structure, Flexibility, and Druggability of HsGet3
Kelly McGuire UC San Diego	The Mark V: a custom 3-D printed manual plunging device for cryoEM specimens
Zenia Motiwala USC	Structural Basis of GABA Reuptake Inhibition
Sarah Narehood UC San Diego Dr. Brian Cook	High-resolution Structure Determination of Oxygen-Sensitive Proteins Using CryoEM
Halina Santos USC	Lead Optimization of a Potential Tau Fibril Inhibitor
Zengyu Shao UC Riverside	Structure and regulation of DIM-2-mediated DNA methylation in Neurospora Crassa
Daniela Slamková Thermo Fisher Scientific	Plasma FIB applications in Life Science: from large volumes to cryo-lamella preparation
Amanda Tse USC	Improving the solubility of pseudo-hydrophobic Alzheimer's Disease medicinal chemicals through co-crystal formulation and assessment with microED
Hui Wang UC Los Angeles	An amyloid-like protein polymerizes into sheath during archaeal cell growth
Ravi Yadav USC	Structural Insights into Complement Receptor Activation and Signaling-bias
Tynan Young City of Hope, BRI	Development of an Ultra-high Affinity, Trimeric ACE2 Biologic as a Universal COVID Antagonist
James Zhen UC Los Angeles	Structures of cancer-causing gammaherpesviruses and comparison with alpha- and betaherpesvirus

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