

7:30 - 8:00AM

CHECK IN & BREAKFAST

SESSION ONE

Moderator: **Christy Armstrong**, UC San Diego

8:00 - 8:05AM

Amanda Lewis UC San Diego*Opening Remarks*

8:05 - 8:30AM

Gulcin Pekkurnaz UC San Diego*Regulation of organelle biogeography via O-GlcNAcylation*

8:30 - 8:50AM

Raymond Yu UC San Diego*Elucidating the Role of Heparan Sulfate in Adipocyte Metabolic Signaling*

8:50 - 9:15AM

Scott Biering UC San Diego*Genome-wide bidirectional CRISPR screens identify mucins as host factors modulating SARS-CoV-2 infection*

9:15 - 9:40AM

Seu Sim UC Irvine*Molecular assembly of living materials*

9:40 - 10:05AM

Alex Guseman UC San Diego*Understanding the biophysical basis of N-linked glycan recognition*

10:05 - 10:35AM

BREAK

SESSION TWO

Moderator: **Stephanie Leal**, UC San Diego

10:35 - 11:00AM

Yuzhong Liu Scripps Research*Biosynthesis of natural and new-to-nature glycosides in engineered yeast*

11:00 - 11:20AM

Kasia Brzezicka Scripps Research*Rapid desensitization of allergic mice to IgE-mediated anaphylaxis with CD33-targeted antigenic nanoparticles*

11:20 - 11:45AM

Carlito Lebrilla UC Davis*Unveiling and modifying glycan-mediated protein-protein interactions in the cell membrane*

11:45 - 12:10PM

Mia Huang Scripps Research*Mapping glycan-protein interactions in cells*

12:10 - 12:35PM

Haik Mkhikian UC Irvine*Ovarian function regulates N-glycan branching driven immune aging*

12:35 - 2:35PM

LUNCH & POSTER SESSION

SESSION THREE

Moderator: **Shubham Parashar**, UC San Diego

2:35 - 2:40PM

Corwin Nycholat Sussex Research
Sponsor Pitch

2:40 - 3:05PM

Michael Demetriou UC Irvine
Safe pan-cancer immunotherapeutics by velcro-like density-dependent targeting of tumor-associated carbohydrate antigens

3:05 - 3:30PM

Julia Stauber UC San Diego
Building Precision, Functional Glycoassemblies through Supramolecular Design

3:30 - 3:55PM

Justin Trotter UC San Diego
An Unexpected Role of Neurexin-1 in Astrocyte-Neuron Interactions

3:55 - 4:20PM

Christina Sigurdson UC San Diego
The role of glycans in regulating protein-protein interactions at the neuronal synapse

SESSION FOUR

Moderator: **Amanda Lewis**, UC San Diego

4:20 - 4:30PM

Amanda Lewis, UC San Diego
AWARDS & RECOGNITION
Leadership and Community Impact Award: Dr. Chelsea Painter
Rising Star Award: Michael Russelle Alvarez
Best Poster Presentation
Best Trainee Talk

4:30 - 4:55PM

Rising Star: Michael Russelle Alvarez UC Davis
A novel glycan-peptide crosslinking mass spectrometry method reveal the role of glycan heterogeneity in protein-protein interaction networks of the cell glycocalyx

4:55 - 5:00PM

Amanda Lewis UC San Diego
Closing Remarks

5:00 - 7:00PM

DINNER