



SESSION 1

NextGen Moderator: Graham Heberlig *UC San Diego*

- 7:30 - 8:30 AM** **Check In & Breakfast**
- 8:30 - 8:35 AM** **Graham Heberlig** *UC San Diego*
Opening Remarks
- 8:35 - 8:55 AM** **Marissa Maciej-Hulme** *UC San Diego*
Heparan sulfate proteoglycans in adipose tissue regulate glucose homeostasis
- 8:55 - 9:15 AM** **Paulina Sosicka** *Sanford Burnham Prebys*
Origin of cytoplasmic GDP-fucose determines its contribution to glycosylation
- 9:15 - 9:35 AM** **Michael Russelle Alvarez** *UC Davis*
Elucidating glycosylation pathways in lung cancer by correlating LC-MS glycomic, glycoproteomic, and RNAseq data
- 9:35 - 9:55 AM** **Jessica Paola Perez Ochoa** *UC San Diego*
Antithrombin-Heparan Sulfate Revisited

9:55 - 10:25 AM **Coffee Break - Ice Breaker Session**

SESSION 2

NextGen Moderator: Kasia Brzezicka *Scripps Research Institute*

- 10:25 - 10:45 AM** **Sydney Morrill** *UC San Diego*
Gardnerella vaginolyisin potentiates glycan molecular mimicry by Neisseria gonorrhoeae
- 10:45 - 11:05 AM** **Vishrut Gupta** *Sanford Burnham Prebys*
Methodology to Identify Physiological Ligands and Functions of Mammalian Lectin Receptors
- 11:05 - 11:25 AM** **Fiona L. Kearns** *UC San Diego*
Electrostatic Evolution of the SARS-CoV-2 Spike Protein and its Interactions with Heparan Sulfate
- 11:25 - 11:30 AM** **Kasia Brzezicka** *Scripps Research Institute*
Closing Remarks

11:30 - 12:00 PM **Career Fair - Sponsors**

12:00 - 1:00 PM **Lunch Break (outside lawn)**

