

## NEXTGEN

*Sheraton San Diego Hotel & Marina, Marina Tower*

THURSDAY MARCH 8, 2018

### SESSION I

- 1:00–1:05 **Anne Q. Phan** *UC San Diego* • *Session I Leader*  
Opening Remarks
- 1:05–1:20 **Nandini Mondal** *Brigham and Women's Hospital/ Harvard Medical School*  
Stage-specific regulation of sLeX dictates differential homing of human hematopoietic stem and progenitor cell subsets
- 1:20–1:35 **Bastian Ramms** *UC San Diego*  
Clearance of apoC-III glycoforms is associated with triglyceride metabolism
- 1:35–1:50 **Tima Dehghani** *UC Davis*  
Selectin-targeting glycoconjugate mimetic as a treatment for endothelial cell dysfunction
- 1:50–2:05 **Nehru Viji Sankaranarayanan** *Virginia Commonwealth University*  
Inhibition of Herpes Simplex Virus-1 entry through targeting glycosaminoglycan site of binding on Glycoprotein D (gD)

~ Break ~

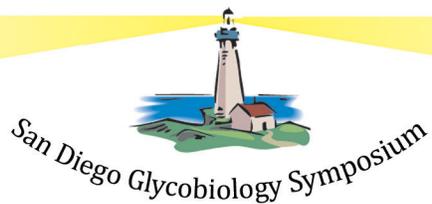
### SESSION II

**Ember M. Tota** *UC San Diego* • *Session II Leader*

- 2:25–2:40 **Steve M. Fernandes** *Johns Hopkins University*  
Siglec-9 recognizes sialylated O-linked keratan sulfates on human airway glycoproteins
- 2:40–2:55 **Shiteng Duan** *The Scripps Research Institute*  
Exploiting CD33 to inhibit IgE dependent anaphylaxis
- 2:55 – 3:10 **Kunio Kawanishi** *UC San Diego*  
Human species-specific loss of the CMP-N-acetylneuraminic acid hydroxylase fuels atherosclerosis development via intrinsic and extrinsic mechanisms
- 3:10 – 3:25 **Thomas Mandel Clausen** *University of Copenhagen*  
Targeting of CS for cancer therapy and diagnosis

~ Break ~

*All talks are off-record*



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### **SESSION III**

**Meghan Altman** *UC San Diego* • *Session III Leader*

- 3:45–4:00 **Norah Al-Azzam** *UC San Diego*  
Impaired mitophagy in Sanfilippo A mice causes hypertriglyceridemia and brown adipose tissue activation
- 4:00–4:15 **Chelsea Painter** *UC San Diego*  
Molecular interactions of Neuropilin-1 and 3-O-sulfated heparan sulfate
- 4:15–4:30 **Md Ferdous Anower-E-Khuda** *UC San Diego*  
Genetic analysis of hepcidin induction and triglyceride-rich lipoprotein binding in human hepatoma cells lacking heparan sulfate
- 4:30–4:45 **Philipp N. Spahn** *UC San Diego*  
CRISPR-Cas9 screening for regulators of heparan sulfate biosynthesis

### **POSTER PITCHES**

**Benjamin Schumann** *Stanford University*

**Saurabh Srivastava** *UC San Diego*

**Gregory Golden and Alejandro Gomez Toledo** *UC San Diego*

4:55–5:00 **Anne Q. Phan** *UC San Diego*  
Closing Remarks

5:00–6:30 **Reception**

*All talks are off-record*