



NEXTGEN

Sheraton San Diego Hotel & Marina, Bay Tower

THURSDAY FEBRUARY 2, 2017

1:00 - 1:20 PM Check-In

- 1:25 PM **Opening Remarks** • **Eillen Tecle**
- 1:30 – 1:45 **Chrissa Dwyer** *UC San Diego*
Heparan sulfate modulates the severity of Rett Syndrome
- 1:45 – 2:00 **Andrew Yale** *UC Irvine*
Cell surface glycosylation alters electrophysiological properties and fate potential of mouse neural stem cells
- 2:00 – 2:15 **Shoib Siddiqui** *UC San Diego*
The Alzheimer's disease protective allele of CD33 mediates adaptive loss of function by diverting a truncated splice form to an intracellular pool
- 2:15 – 2:30 **Patricia Aguilar Calvo** *UC San Diego*
Role of heparan sulfate in prion disease
- 2:30 – 2:45 **Michael Vaill** *UC San Diego*
A uniquely human evolutionary change in ST8SIA-II impacts enzyme stability and polysialic acid function
- 2:45 – 3:00 **James Wodicka** *UC Davis*
Development of a glycocalyx mimetic to treat endothelial cell dysfunction
- 3:00 – 3:25 ~ Break ~
- 3:25 – 3:40 **Matthew J. Amicucci** *UC Davis*
Mild Acid Dissociation toward Defined Oligosaccharide Groups (MADDOG): A dissociative method for the analysis of polysaccharides
- 3:40 – 3:55 **Ben Kellman** *UC San Diego*
Human milk oligosaccharide composition predicts risk of necrotizing enterocolitis in preterm infants
- 3:55 – 4:10 **Nina Jing Gao** *UC San Diego*
Role of group A carbohydrate on pathogenesis of *streptococcus pyogenes*
- 4:10 – 4:25 **Landon J. Edgar** *The Scripps Research Institute*
Controlling CD169+ macrophage polarization using targeted lipid vesicles
- 4:25 – 4:40 **Emi Sato** *UC San Diego*
Activation of parathyroid hormone 2 receptor induces decorin expression and promotes wound repair
- 4:40 – 4:55 **Anne Phan** *UC San Diego*
Enhanced wound healing in heparan sulfate deficient mice
- 4:55 – 5:00 **Closing Remarks** • **Ryan Weiss**
- 5:15 – 6:30 ~ Social Mixer ~

Sessions and Breaks in the Point Loma Room • Social Mixer in Shutters

All talks are off-record