

Chen Institute Workshop II

Saturday, April 21, 2018 - Beckman Institute Auditorium

Chemistry and the Brain			
Morning Session			
NEUROSCIENCE FOR CHEMISTS – Henry Lester, Chair			
Time	Speaker	Animal or technique	Topic
10:00 to 10:15 am	Henry Lester	Overview of Neuroscience	Molecules to Systems. Neuroscience diseases.
10:15 to 10:30 am	Paul Sternberg	Worm	Chemical Signaling
10:30 to 10:45 am	Grant Jensen	EM Tomography	Subcellular Structure
10:45 to 11:00 am	Kai Zinn	<i>Drosophila</i>	Development
11:00 to 11:30 am	C O F F E E B R E A K		
11:30 to 11:45 am	Sripriya Ravindra Kumar	Mouse	Gene Transfer to the Brain
11:45 am to noon	Grigorios Oikonomou	Zebrafish	Neuromodulation
12:00 to 12:15 pm	Sarkis Mazmanian	Mouse	Microbiome
12:15 to 1:15 pm	L U N C H		
Afternoon Session			
CHEMISTRY FOR NEUROSCIENTISTS – Dennis Dougherty, Organizer			
Time	Speaker	Animal or technique	Topic
1:15 to 1:30 pm	Henry Lester	Protein Modification	Neuropharmacology / Tools
1:30 to 1:45 pm	Dave Tirrell	Protein Modification	Proteomics
1:45 to 2:00 pm	Doug Rees	Structure	Transporters and Channels
2:00 to 2:30 pm	B I O B R E A K		
2:30 to 2:45 pm	Mikhail Shapiro	Protein Engineering	Imaging
2:45 to 3:00 pm	Brian Stoltz	Synthesis	Small Molecule Probes
3:00 to 3:15 pm	Sarah Reisman	Synthesis	Small Molecule Probes
3:15 to 3:45 pm	O P E N D I S C U S S I O N		