



Cell and Molecular Biology Department Retreat  
Monday - September 29, 2014  
From 8 to 6:00 pm  
Rancho Bernardo Inn  
17550 Bernardo Oaks Drive, San Diego, California

**PROGRAM**

- 8:00 a.m. to 9:00 BREAKFAST (will be provided)
- 9:00 a.m. to 9:10 **Velia M. Fowler**  
Welcome / Open Remark
- 9:15 a.m. to 9:40 **James C. Paulson**  
Influenza Virus Receptors
- 9:50 a.m. to 10:15 **Philip Dawson**  
Structural Role of the HIV TM Domain in Viral Fusion and Neutralizing Antibody Recognition
- 10:20 a.m. to 10:45 **Martin Friedlander**  
Stemming Vision Loss with Stem Cells (and a little help from Ras, VHL, HIFs and VEGF)
- 10:50 a.m. to 11:10 AM BREAK
- 11:10 a.m. to 11:35 **Peiqing Sun**  
Signal Transduction Pathways Mediating Oncogene-induced Senescence
- 11:40 a.m. to 12:05 **Nathalie Franc**  
Apoptotic Cell Clearance: A Negative Role For The Ribosomal Protein RpS6
- 12:10 p.m. to 12:35 POSTER HIGHLIGHTS
- **Danielle Grotjahn**  
Ultrastructural Analysis of Motor Protein Conformations and Regulation in Neurons
  - **James Short**  
Towards Understanding the Structural Basis of Outer Mitochondrial Membrane Modifications Induced during Flock House Virus Replication
  - **Yoshitake Cho**  
PGC-1 and ERR-induced Regulator in Muscle 1 (Perm1) Regulates Oxidative Metabolism in Skeletal Muscle
  - **David S. Gokhin**  
Control of Thin Filament Lengths by Sarcomeric Tropomodulin Isoforms: Insights from Mouse Models

12:35 p.m. to 2:00 LUNCH (will be provided) / **POSTER SESSION**

2:00 p.m. to 2:25 **Claudio Joazeiro**  
The Listerin/Ltn1 E3 Ligase Links Co-translational Protein Quality Control and Neurodegeneration

2:30 p.m. to 2:55 **Larry Gerace**  
Cell Signaling Control at the Nuclear Lamina

3:00 p.m. to 3:25 **Gerald Joyce**  
A Cross-Chiral RNA Polymerase Ribozyme

3:30 p.m. to 3:50 PM BREAK

3:50 p.m. to 4:15 **Xiang-Lei Yang**  
Peripheral Neuropathy is Linked to Neomorphic Binding Activity of tRNA Synthetase

4:20 p.m. to 4:45 **Joel Gottesfeld**  
RNA Toxicity as the Basis for Both Rare and Common Diseases

5:00 p.m. to 5:10 **Velia M. Fowler**  
Closing

5:10 p.m. to 6:00 RECEPTION / POSTER SESSION