



Cell and Molecular Biology Department Retreat
 Tuesday, October 11, 2016
 From 8 a.m. to 6:00 p.m.
 Point Loma Ballroom at the Kona Kai Resort & Spa
 1551 Shelter Island Drive; San Diego, CA 92106

POSTER SESSION

Location: Ballroom (please set up upon arrival)
 Poster board (size 4 ft Height x 6 ft Width)

Poster No.	Lab	Poster
1.	Boddy	<ul style="list-style-type: none"> Shaving STUbL with a Razor: analysis of STUbL suppressor, razor 1-1, revealed functional crosstalk between the PP2A and SUMO pathways <u>Minghua Nie</u>, Emily Arner, John Prudden, Lana Schaffer, Steven Head, and Michael N. Boddy
2.	Boddy	<ul style="list-style-type: none"> The Multifaceted Roles of Sumo in Genome Stability <u>Emily N. Arner</u>, Lynda M Grocock, Tatevik Simavorian, Eros Lazzerini-Denchi, Michael N. Boddy
3.	Encalada	<ul style="list-style-type: none"> Kinetic stabilization of Transthyretin suppresses cell non-autonomous proteotoxicity in <i>Caenorhabditis elegans</i> models of Familial Amyloid Polyneuropathy <u>Kayalvizhi Madhivanan*</u>, Erin R. Greiner*, Miguel Alves-Ferreira, Johan Paulsson, Nirvan Rouzbeh, Andrew Dillin, Jeffery W. Kelly and Sandra E. Encalada (* Both authors contributed equally)
4.	Encalada	<ul style="list-style-type: none"> Kinesin-1 dependent anterograde axonal transport regulates prion protein aggregation <u>Romain Chassefeyre</u> and Sandra E. Encalada
5.	Encalada	<ul style="list-style-type: none"> Genetic Modulators of Transthyretin Amyloid Disease Toxicity in <i>Caenorhabditis elegans</i> models of Familial Amyloid Polyneuropathy (FAP) <u>Miguel Alves-Ferreira</u> and Sandra Encalada
6.	Fowler	<ul style="list-style-type: none"> Tropomodulin 1 regulation of actin is required for the formation of large paddle protrusions between mature lens fiber cells <u>Catherine Cheng</u>, Roberta B. Nowak, Sondip K. Biswas, Woo-Kuen Lo, Paul G. Fitzgerald and Velia M. Fowler
7.	Fowler	<ul style="list-style-type: none"> The non-muscle myosin IIA E1841K mutation affects lens transparency, size, and cell packing <u>Roberta B. Nowak</u>, Carla Chehadeh, Catherine Cheng and Velia M. Fowler

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8.	Friedlander	<ul style="list-style-type: none"> Sugar Addicts: The reliance of the neural retina on glucose <u>Marin Gantner</u>, Kevin Eade, Alec Johnson, Mitchell Prins, Edith Aguilar, Martin Friedlander
9.	Gerace	<ul style="list-style-type: none"> Identification of proteins involved in HIV replication by proteomic and functional studies <u>Hui-Yi Chu</u>, Francesca Alcala, Ilean Chai, Olivia Garijo, Sabyasachi Baboo, Barbara Orelo, John Hammond, James Williamson, John Yates, Bruce Torbett, Larry Gerace
10.	Gerace	<ul style="list-style-type: none"> Regulation of MAP kinase signaling by inner nuclear membrane protein Lem2 <u>Sara Carbajo</u>, Cory Lindsay, Olga Tapia, Larry Gerace
11.	Gottesfeld	<ul style="list-style-type: none"> Mechanisms of Gene Silencing in Friedreich's Ataxia <u>Baohu Ji</u>, Lina Petrosyan, Elisabetta Soragni, Joel Gottesfeld
12.	Joyce	<ul style="list-style-type: none"> Amplification of RNA by an RNA polymerase ribozyme <u>David P. Horning</u> and Gerald F. Joyce
13.	Joyce	<ul style="list-style-type: none"> In Vitro Evolution of a Cross-Chrial RNA Polymerase Ribozyme <u>Katrina F. Tjhung</u>, Jonathan T. Sczepanski and Gerald F. Joyce
14.	Joyce	<ul style="list-style-type: none"> Improving RNA polymerase ribozyme through catalytic selection <u>Biswajit Samanta</u>, David P. Horning and Gerald F. Joyce
15.	Makarenkova	<ul style="list-style-type: none"> Unraveling Lacrimal Gland Stem/Progenitor Cell Dynamics by Lineage Tracing Natalie Tanke, <u>Takeshi Umasume</u>, Xin Tang, Geraint Parfitt, James V. Jester, and Helen P. Makarenkova
16.	Paulson	<ul style="list-style-type: none"> Glycan ligands for targeting Siglecs on immune cells <u>Corwin M. Nycholat</u>, Shiteng Duan, Ryan McBride, and James C. Paulson
17.	Paulson	<ul style="list-style-type: none"> Targeting Siglecs to prevent IgE dependent anaphylaxis <u>Shiteng Duan</u>, Corwin Nycholat, Matthew Macauley, and Jim Paulson
18.	Paulson	<ul style="list-style-type: none"> Evolution of receptor specificity in seasonal and pandemic influenza <u>Andrew J Thompson</u>, Wenjie Peng, Robert P de Vries, Peter Lee, Ryan McBride, Ian Wilson, James C Paulson
19.	Paulson	<ul style="list-style-type: none"> Synthesis and Screening of Sialoside Library for the Development of Siglec Ligands <u>Lijuan Pang</u>, Ryan McBride, Matthew Macauley, James C. Paulson

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20.	Quigley	<ul style="list-style-type: none"> Requisite Molecules and Mechanisms Involved in Cancer Cell Intravasation Elena Deryugina, <u>Ewa Zajac</u>, William Kiosses, Daniel Rifkin and James P. Quigley
21.	Saez	<ul style="list-style-type: none"> Phenotypic Screening Of Fully Functionalized Fragment-Based Chemical Probes Reveals PGRMC2 As A New Regulator Of Adipocyte Physiology Of Therapeutic Potential For Obesity-Linked Diabetes <u>Andrea Galmozzi</u>, Christopher G. Parker, Yulia Wang, Bruno E. Correia, Christopher M. Joslyn, Cullen Cavallaro, Benjamin F. Cravatt, and Enrique Saez
22.	Saez	<ul style="list-style-type: none"> Weight loss and improved glucose homeostasis: brought to you by a beer-derived compound <u>Bernard Kok</u>, Andrea Galmozzi, Cristina Godio, Arthur Kim, Sean Riley, Mingliang Fang, Gary Siuzdak, Hugh Rosen, Enrique Saez
23.	Smider	<ul style="list-style-type: none"> Cell Surface Expression of the Germline Ultralong Bovine Antibody <u>Jeremy K. Haakenson</u> and Vaughn V. Smider
24.	Smider	<ul style="list-style-type: none"> Bos Taurus Ultralong Antibody Diversity <u>Melissa L Vadnais</u> and Vaughn V Smider
25.	Smider	<ul style="list-style-type: none"> Mutant oncogenic RET receptor tyrosine kinase: new target for cancer therapy <u>Tong Wenyong</u>, Eric D Wold, Vaughn Smider, Brunhilde Felding
26.	Siuzdak	<ul style="list-style-type: none"> A Systems Biology Platform Guided by Metabolomics <u>Tao Huan</u>, H. Paul Benton, Duane Rinehart, Aries Aisporna, Erica Forsberg, Mingliang Fang, Caroline H. Johnson, Julijana Ivanisevic and Gary Siuzdak
27.	Srinivasan	<ul style="list-style-type: none"> Connecting the dots: A multimodal neural circuit integrates sensory information to control fat metabolism <u>Rosalind Hussey</u> and Supriya Srinivasan
28.	Srinivasan	<ul style="list-style-type: none"> Neuronal control of body fat: coupling central serotonin signalling with peripheral lipid metabolism <u>Lavinia Palamiuc</u> and Supriya Srinivasan
29.	Vanderklish	<ul style="list-style-type: none"> A novel tRNA granule structure exhibiting rapid, bi-directional neuritic transport: possible implications for translational regulation. <u>Julie Pilotte</u>, Zeev Smilansky, and Peter Vanderklish