



Cell and Molecular Biology Department Retreat
 Tuesday - September 24, 2013
 From 8 to 5 pm
 Catamaran Resort Hotel & Spa
 3999 Mission Boulevard, San Diego, California

POSTER SESSION

Poster board (size 4 ft Height x 6 ft Width)

Poster No.	Lab	Poster
1.	Balch	<ul style="list-style-type: none"> • HSF1 Stress Pathways in Cystic Fibrosis Darren M. Hutt, Daniela Martino Roth, Jiansong Tong and William E. Balch
2.	Balch	<ul style="list-style-type: none"> • <i>In Vitro</i> Budding Assay to Study Folding and Export of CFTR Vijay Gupta and William E Balch
3.	Balch	<ul style="list-style-type: none"> • A Systemic View of Cytosolic Proteostasis Network on Alcoholic Liver Disease Jiansong Tong, Yiguo Wang, Lesley Page, and William E Balch
4.	Balch	<ul style="list-style-type: none"> • Hsp90 is required for Ppargamma expression and the development non-alcoholic fatty liver disease Matthew Wheeler and Nicholas Gekakis
5.	Barbas	<ul style="list-style-type: none"> • Genome engineering with customizable nucleases and recombinases Thomas Gaj, Shannon J. Sirk, Andrew C. Mercer, Andreas Jonsson, Jing Guo, Brian M. Lamb, Charles A. Gersbach, Russell M. Gordley, and Carlos F. Barbas III
6.	Boddy	<ul style="list-style-type: none"> • Cooperative Functions of STUbL and Cdc48Ufd1-Npl4 in Genome Stability Maintenance Minghua Nie, Aaron Aslanian, John Prudden, Johanna Heideker, Ajay A. Vashisht, James A. Wohlschlegel, John Yates III, and Michael N. Boddy
7.	Dawson	<ul style="list-style-type: none"> • Adapter Molecules for Protein Site Specific Dye Labeling Darren A. Thompson, Eric G.B. Evans, Tomas Kasza, Glenn L. Millhauser, and Philip E. Dawson
8.	Dawson	<ul style="list-style-type: none"> • Towards the Design and Synthesis of Antiviral Proteins Naila Assem and Philip E. Dawson
9.	Dawson	<ul style="list-style-type: none"> • Design and synthesis of specific probes to track and target citrulline reactive B cells Valle Palomo, David Guimond, Katherine McKenney, Kerri Mowen, and Philip E Dawson.
10.	Encalada	<ul style="list-style-type: none"> • Proteotoxicity Models of Transthyretin Amyloid Disease in <i>C. elegans</i> Erin Greiner, Johan Paulsson, Sungwook Choi, Suzanne Wolff, Derrick Ong, Andrew Dillin, Sandra Encalada, and Jeffery Kelly

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11.	Encalada	<ul style="list-style-type: none"> The Role of Dynamin-2 in the Pathogenesis of Charcot Marie Tooth Disease Sylvia Neumann and Sandra E. Encalada
12.	Encalada	<ul style="list-style-type: none"> Coordination of Molecular Motors in Axonal Transport George Campbell and Sandra Encalada
13.	Fowler	<ul style="list-style-type: none"> Cytoskeletal organization during terminal differentiation and enucleation of mammalian erythroblasts Robert B. Nowak, Carla Casu, Steffano Rivella, Lionel Blanc, and Viela M. Fowler
14.	Fowler	<ul style="list-style-type: none"> Tmod3 participates in platelet formation and sizing Zhenhua Sui, Roberta Nowak, and Velia Fowler
15.	Franc	<ul style="list-style-type: none"> The Pallbearer-SCF Complex Promotes Degradation of RpS6, a Negative Regulator of Apoptotic Cell Clearance Hui Xiao, James Thompson, John R. Yates Jr., and Nathalie C. Franc
16.	Franc	<ul style="list-style-type: none"> Regulation of croquemort (CRQ) in apoptotic cell clearance in Drosophila Hui Wang and Nathalie C. Franc
17.	Friedlander	<ul style="list-style-type: none"> iPS-RPE implantation in the Royal College of Surgeons rat does not lead to adverse events in a long term study of health and graft stability Stephen Bravo, Peter D Westenskow, Toshihide Kurihara, Alison Dorsey, Liliana Paris, Jonathan H Lin and Martin Friedlander
18.	Gerace	<ul style="list-style-type: none"> Erlins are part of an ER macromolecular assembly regulating cellular cholesterol levels Michael Huber, Paul W. Vesely, and Larry Gerace
19.	Gerace	<ul style="list-style-type: none"> Role of erlins in the regulation of sterol regulatory element binding proteins (SREBPs) Paul Vesely, Michael D. Huber, and Larry Gerace
20.	Gerace	<ul style="list-style-type: none"> Lemd2 in muscle differentiation and signaling Olga Tapia and Larry Gerace
21.	Guo	<ul style="list-style-type: none"> Full-Spectrum Inhibition of ThrRS Functions by a Geometric Fit Molecule Pengfei Fang and Min Guo
22.	Joazeiro	<ul style="list-style-type: none"> Translational Stalling Triggers Assembly of Nascent Polypeptides Into Oligomeric Aggregates Erich B. Tahara, Mario H. Bengtson, Dario O. Passos, Joong-Won Lee, Irene N. Kwan, Elizabeth Craig, and Claudio A.P. Joazeiro
23.	Joyce	<ul style="list-style-type: none"> Towards a real-time diagnostic for disease biomarkers using an RNA exponential amplification system Charles Olea, Jr. and Gerald F. Joyce
24.	Kralli	<ul style="list-style-type: none"> PGC-1 and ERR-induced Regulator in Muscle 1 (PERM1) is a tissue-specific regulator of oxidative capacity in skeletal muscle Yoshitake Cho, Bethany C. Hazen, Aaron P. Russell, and Anastasia Kralli

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25.	Kralli	<ul style="list-style-type: none"> Determining the role of Adipose ERRs in Energetic Homeostasis David Patsouris
26.	Kuhn	<ul style="list-style-type: none"> identification and characterization of circulating tumor cells in the blood of melanoma patients Carmen Ruiz, Julia Li, Edward McClay, Wolfram Samlowski, Soldano Ferrone and Peter Kuhn
27.	Kuhn	<ul style="list-style-type: none"> Monitoring treatment response in prostate cancer by applying single cell molecular characterization of CTCs Angel Dago, Anders Carlsson, Asya Stepansky, Natalie Felch, Madelyn Luttggen, Anand Kolatkar, James Hicks, Mitchel Gross, and Peter Kuhn
28.	Kuhn	<ul style="list-style-type: none"> Dynamic changes in circulating tumor cell levels as a prognostic marker in stage IV Non-small Cell Lung Cancer (NSCLC) Anders Carlsson, Lyudmila Bazhenova, Anand , Anand Kolatkar, Madelyn Luttggen, Kelly Bethel, Jorge Nieva, and Peter Kuhn
29.	Lazzerini Denchi	<ul style="list-style-type: none"> Characterization of the Chromatin Composition of Functional and Dysfunctional Telomeres Cristina Bartocci, Iliana Ouzounov, Jolene K. Diedrich, John R. Yates III and Eros Lazzerini Denchi
30.	Lazzerini Denchi	<ul style="list-style-type: none"> Consequences of telomere dysfunction in vivo Charles Clapp and Eros Lazzerini Denchi
31.	Makarenkova	<ul style="list-style-type: none"> Characterization of Lacrimal Gland Epithelial Progenitor Cells Suharika Thotakura and Helen Makarenkova
32.	Mauro	<ul style="list-style-type: none"> Base-pairing between Hepatitis C virus RNA and 18S rRNA is required for IRES-dependent translation initiation Daiki Matsuda and Vincent Mauro
33.	Paulson	<ul style="list-style-type: none"> Toward a new class of immunosuppressive drugs: Identification and characterization of ST6Gal1 sialyltransferase inhibitors Julieta E. Sylvester, Michael Hack, John Keith, Alex C. An, Sean Riley, Emery Smith, Peter Hodder, Hugh Rosen, and James C. Paulson
34.	Paulson	<ul style="list-style-type: none"> CD22 ligand liposomal nanoparticles target B cell lymphoma Edward Connors, Cory D. Rillahan, Britni M. Arlian, Matthew S. Macauley, and James C. Paulson
35.	Quigley	<ul style="list-style-type: none"> <i>In vivo</i> model systems to identify molecules and pathways that are rate-limiting for tumor metastasis and angiogenesis Elena I. Deryugina, Anna Juncker-Jensen, Ewa Zajac, Petra Minder, and James P. Quigley
36.	Russell	<ul style="list-style-type: none"> Replication Fork Collapse and Genome Instability in dCMP Deaminase Mutant Arancha Sánchez, Sushma Sharma, Sophie Rozenzhak, Assen Roguev, Nevan J. Krogan, Andrei Chabes, and Paul Russell

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37.	Sauer	<ul style="list-style-type: none"> Deciphering the Inositol Phosphate Code Luise Sternberg, Sabine Siegemund, Yina Hsing Huang, Stephanie Rigaud, Claire Conche, Eugene Park, Blake Broaten, and Karsten Sauer
38.	Schimmel	<ul style="list-style-type: none"> Human Tyrosyl-tRNA Synthetase Cytokine Stimulates MCP-1 Production and Increases Blood Platelet Count My-Nuong Vo, Alessandro Zarpellon, Ryan Shapiro, Xiang-Lei Yang, Zaverio M. Ruggeri and Paul Schimmel
39.	Schimmel	<ul style="list-style-type: none"> Resveratrol Binds to Human Tyrosyl tRNA Synthetase to Activate PARP-1 Mathew Sajish and Paul Schimmel
40.	Schimmel	<ul style="list-style-type: none"> Functional and structural studies on a Natural Fragment of alanyl-tRNA synthetase Youngzee Song, Litao Sun , Leslie Nangle, Kyle Chiang and Paul Schimmel
41.	Schneemann	<ul style="list-style-type: none"> Analysis of nodaviral genome packaging during mixed infection of BHK cells Radhika Gopal and Anette Schneemann
42.	Schneemann	<ul style="list-style-type: none"> The cellular distribution of (+) RNA during Flock House virus infection: Implications for the selection of genomic RNA during virus assembly James R. Short, Radhika Gopal and Anette Schneemann
43.	Smider	<ul style="list-style-type: none"> Utilizing a lentiviral intracellular combinatorial antibody library to select for antibodies that affect EMT Erik D. Wold, Emi Casas, Richard Lerner, Brunhilde Felding, and Vaughn V. Smider
44.	Yang	<ul style="list-style-type: none"> Serine tRNA synthetase is a transcriptional repressor of VEGFA Yi Shi, Xiaoling Xu, Yangyan , Guangsen Fu, Zhongying Mo, and Xiang-Lei Yang
45.	Yang	<ul style="list-style-type: none"> Tyrosine tRNA Synthetase Inhibits Cell Apoptosis through a Bax Mediated Pathway Guangsen Fu, Yi Shi, Navin Rauniyar, Yun-Shiuan Hsu, Na Wei, Lujian Liao, John Yates, Xiang-Lei Yang
46.	Yang	<ul style="list-style-type: none"> Tyrosine tRNA Synthetases a stress response protein may be linked to Charcot-Maria-Tooth disease Na Wei, Yi Shi, Guangsen Fu and Xiang-Lei Yang
47.	Yang	<ul style="list-style-type: none"> Glycyl-tRNA Synthetase as a Novel Regulator for Nedd8 Conjugation Zhongying Mo, Qian Zhang, Jeni Lauer, Weiwei He, Yi Shi1, Patrick Griffin, Xiang-Lei Yang
48.	Yang	<ul style="list-style-type: none"> Charcot-Marie-Tooth disease-causing mutants in glycyl tRNA synthetase destroy the neurotrophic function of VEGF by binding with extracellular domain of Neuropilin 1 receptor Weiwei He, Ge Bai, Huihao Zhou, Nick White, Yi Shi, Huaqing Liu, Veronica Shubayev, Oleksandr Platoshyn and Martin Marsala, Robert W. Burgess, Samuel L. Pfaff and Xiang-Lei Yang