

BIOCHEMISTRY, MOLECULAR AND CELL BIOLOGY

2008 RETREAT

November 13, 2008

POSTER PRESENTATIONS

1. **Thrombin cleavage at Arg1689 influences subsequent cleavage at Arg372 during activation of factor VIII**
Jennifer Newell and Philip J. Fay
2. **Protein-protein interactions essential for host defense against HIV, an in cell FRET study**
Ryan P. Bennett and Harold C. Smith
3. **Oligomerization of yeast α -factor receptors detected by fluorescence resonance energy transfer between differentially labeled ligands**
Sara Connelly, Austin Gehret, Fred Naider, and Mark E. Dumont
4. **A fluorescence-based approach for identification of regions of G protein coupled receptors that interact with ligands**
Elizabeth Mathew, Sara Connelly, Anshika Bajaj, Fred Naider, and Mark E. Dumont
5. **Developing screens to identify mutations that modulate the stability of Ste2p, a G Protein coupled receptor in *S. cerevisiae***
Jeff Zuber and Mark Dumont
6. **Loss of the ER stress sensor protein, BiP, in hyperoxia does not activate the ER stress response**
Jennifer S. Gewandter, Min Yee and Michael A. O'Reilly
7. **Molecular mechanics analysis of minimum energy RNA conformational dynamics pathways**
Keith P. Van Nostrand, Scott D. Kennedy, David H. Mathews
8. **Regulators of mitochondrial morphology affect intracellular pH**
David Johnson and Keith Nehrke
9. **Different sensitivities to oxygen of the major reactive oxygen species generating sites in the mitochondrial electron transport chain**
David L. Hoffman, Paul S. Brookes
10. **N-terminal acetylation of eukaryotic proteins**
B. Polevoda and F. Sherman

11. **CG7172 as a putative tumor suppressor gene**
Su Jun Lim, Pranab Dutta & Willis X. Li
12. **A high throughput screen in yeast for compounds that target age-related diseases**
Bonnie Baxter, Jonathan Millen, Gary Piazza, Krister Wennerberg, Joe Madrey and David S. Goldfarb
13. **Pseudouridylation of pre-mRNA affects splicing**
Chun Chen, Xinliang Zhao, and Yi-Tao Yu
14. **Enhancement of factor VIII stability by replacing multiple charged residues at the A2 domain interface**
Hironao Wakabayashi, Amy E. Griffiths, and Philip J. Fay
15. **Maintenance of mitochondrial DNA by Rad27p: a possible role in base excision repair**
L. Kalifa, G. Beutner, N. Phadnis, S.-S. Sheu, and E. A. Sia
16. **Evidence that Msh1p plays multiple roles in mitochondrial base excision repair**
L. Pogorzala, S. Mookerjee, and E. A. Sia
17. ***Drosophila taranis* in gene regulation & silencing**
Pranabananda Dutta, Anthony Scott, Su Jun Lim & Willis Li
18. **Regulation of DNA double-strand break repair by NPAT**
Michael DeRan, Mary Pulvino, Jiyong Zhao
19. **Pharmacological inhibition of CAMKK supresses human cytomegaloviral replication**
Jessica McArdle and Josh Munger
20. **Mechanism of antimicrobial lipopeptides analyzed using molecular simulation**
Julie Hwang and Alan Grossfield
21. **Acetyl-CoA carboxylase activity is increased during and necessary for wildtype Human cytomegalovirus infection**
Cody Spencer and Josh Munger
22. **The highly conserved G₋₁ residue of tRNA^{His} is not essential in *Saccharomyces cerevisiae***
Melanie A. Baker, Elizabeth J. Grayhack, and Eric M. Phizicky