

8:30 am **Registration, Poster Setup,
Continental Breakfast**

9:15 am **Introduction – Jeff Hayes
BMCB Cluster Director**

9:20 am **Shona Mookerjee** (Elaine Sia)
Department of Biology
*Defense of mitochondrial DNA against oxidative
damage*

9:45 am **Jim McGrath**
Department of Biomedical Engineering
Cell motility in sheets and crowded cultures

10:10 am **Doug Portman**
Department of Biomedical Genetics
*Neural fate and function in the *C. elegans* male*

10:35 am **Coffee Break- Sponsored by Roche**

10:50 am **Xinliang Zhao** (Yi-Tao Yu)
Department of Biochemistry and Biophysics
*RNA-guided RNA modification can block gene
expression in yeast*

11:15 am **Michael White** (Mark Dumont)
Department of Biochemistry and Biophysics
*Characteristics affecting expression and solubilization
of yeast membrane proteins*

11:40 am **Tabetha Bonacci** (Alan Smrcka)
Department of Pharmacology & Physiology
*Selective modulation of G-protein β subunit signaling by
small molecules targeting a protein-protein interaction
hot spot*

12:00 pm **Buffet Lunch, Poster Session,
Sponsor Tables**

**Afternoon Session- Sponsored by T32 in Cellular,
Biochemical and Molecular Sciences**

2:00 pm **Patrick Brandt** (Robert Bambara)
Department of Biochemistry and Biophysics
*Stimulation of DNA repair functions by the human
9-1-1 complex*

2:25 pm **Denia Ramirez-Montealegre** (David Pearce)
Department of Biomedical Genetics
*Defective lysosomal arginine transport in juvenile
neuronal ceroid lipofuscinosis*

2:50 pm **Celeste MacElrevey** (Joseph Wedekind)
Department of Biochemistry and Biophysics
*Expression of Apobec-1 complementation factor leads to
multiple internal starts: an AUGury for extra effort*

3:15 pm **Ice Cream Break**

3:40 pm **Jane Jackman** (Eric Phizicky)
Department of Biochemistry and Biophysics
*tRNA^{His} guanylyltransferase: a novel 3'-5' polymerase
enzymatically similar to tRNA synthetases*

4:05 pm **Barry Thrash** (Dennis McCance)
Department of Biochemistry and Biophysics
*AKT1 provides an essential survival signal required for
stratification of primary human keratinocytes*

4:35 pm **Monica Guzman** (Craig Jordan)
Department of Medicine – Hematology/Oncology
Preferential targeting of leukemic stem cells

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Biochemistry, Molecular and Cell Biology (BMCB) Cluster

4th Annual

Retreat

Organizers: Ian Dickerson, Phil Fay, Jeff Hayes

Thursday, October 13, 2005
8:30 a.m. – 5:00 p.m.

Colgate Rochester Crozer Divinity School
1100 South Goodman Street
Rochester, NY 14620