

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

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

9:20 am **Elaine Sia**
Department of Biology
Rad52p-dependent recombination in mitochondrial DNA

9:45 am **David Johnson** (Keith Nehrke)
Department of Biochemistry and Biophysics
*Involvement of eat-3, the C. elegans orthologue of Opa1,
in intracellular pH regulation*

10:10 am **Hope Cole** (Jeff Hayes)
Department of Biochemistry and Biophysics
Uracil DNA glycosylase activity on uracil in nucleosomes

10:35 am **Coffee Break**

10:50 am **Paul Brookes**
Department of Anesthesiology
*Nitro-fatty acids: a novel class of electrophilic signaling
molecules with cardioprotective properties*

11:15 am **Bogdan Polevoda** (Fred Sherman)
Department of Biochemistry and Biophysics
N-terminal protein acetylation in eukaryotes

11:40 am **Melanie Baker** (Eric Phizicky)
Department of Biochemistry & Biophysics
*The unusual G₋₁ addition at the 5' end of tRNA^{His} is the
only essential function of the multiple activities of Thg1p*

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

2:00 pm **Alan Grossfield**
Department of Biochemistry and Biophysics
*The mechanism of rhodopsin activation: Insights from
molecular dynamics simulations*

2:25 pm **Chris Hine** (Vera Gorbunova)
Department of Biochemistry and Biophysics
*Transcriptional regulation of the human Rad51 promoter
and its use in anti-cancer therapy*

2:50 pm **John Karijolich** (Yi-Tao Yu)
Department of Biochemistry and Biophysics
*Modulation of Gene Expression via Post-Transcriptional
Modification*

3:15 pm **Ice Cream Break**

3:40 pm **Keith Connolly** (Gloria Culver)
Department of Biology
Studies of ribosome biogenesis

4:05 pm **Matt Seetin** (David Mathews)
Department of Biochemistry and Biophysics
Conformational change pathways in the hairpin ribozyme

4:35 pm **Jason Stewart** (Robert Bambara)
Department of Biochemistry and Biophysics
*Coordination of successive movements by replication
protein A, Dna2, and flap endonuclease 1 in Okazaki
fragment maturation*

Thank you to all our sponsors:

Department of Biochemistry and Biophysics

T32 in Cellular, Biochemical and Molecular
Sciences



Biochemistry, Molecular and Cell Biology (BMCB) Cluster

6th Annual

Retreat

Organizers: Jeff Hayes, Willis Li & Keith Nehrke

Thursday, November 8, 2007
8:30 a.m. – 5:00 p.m.

Casa Larga Vineyards
2287 Turk Hill Road
Fairport, NY 14450