

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

9:15 am **Introduction – Jeffrey Hayes**
BMB Program Co-Director

9:20 am **Session I Chair – Jeffrey Hayes**
Hucky Land
Department of Biomedical Genetics
Cancer synergomics, a simple idea

9:45 am **Joshua Munger**
Department of Biochemistry and Biophysics
*Oncogenic mutations cooperate to induce canonical
cancer cell metabolic phenotypes*

10:10 am **Elizabeth Mathew**
Department of Biochemistry and Biophysics
*Differential interactions of fluorescent agonists and
antagonists with the yeast G protein coupled receptor
Ste2p*

10:35 am **Coffee Break**

10:50 am **Session II Chair – Kevin Murphy**
John Karijolich
Department of Biochemistry and Biophysics
*Knowing when to stop: mRNA modification and the
regulation of translation termination*

11:15 am **Sonia D'Silva**
Department of Biochemistry and Biophysics
*The 3-methylcytidine modification in *S. cerevisiae**

11:40 am **Kimberly Prohaska**
Department of Biochemistry and Biophysics
*Novel research tools for dissociating RNA from
APOBEC3G*

12:05 pm **Buffet Lunch**

12:45pm **Poster Session, Sponsor Tables**

2:00 pm **Session III Chair – Kimberly Dean**
Elizabeth Grayhack
Department of Biochemistry and Biophysics
*Control of translation efficiency in yeast by codon-
anticodon interactions*

2:25 pm **Dmitri Ermolenko**
Department of Biochemistry and Biophysics
*The Brownian ratchet mechanism of ribosomal
translocation*

2:50 pm **Jason Gloor**
Department of Biochemistry and Biophysics
A new model for FEN1 substrate recognition

3:15 pm **Ice Cream Break**

3:40 pm **Session IV Chair – Eric Phizicky**
Chenguang Gong
Department of Biochemistry and Biophysics
Post-transcriptional human gene regulation by STAU1

4:05 pm **Michael Gleghorn**
Department of Biochemistry and Biophysics
*The x-ray crystal structure of the human Staufen 1
dimerization domain: An evolved double-stranded RNA
binding domain and its role in Staufen 1-mediated mRNA
decay*

4:35 pm **Vera Gorbunova**
Department of Biology
SIRT6 function in DNA repair

5:00 pm **Closing Remarks – Eric Phizicky**
BMB Program Co-Director

Thank you to all our sponsors:

Department of Biochemistry and Biophysics



Biochemistry and Molecular Biology (BMB) Program Retreat

Organizers: Jeff Hayes, Eric Phizicky
Student Organizers: Kevin Murphy, Kimberly Dean
Staff Organizers: Rose Burgholzer, Karen Uber

Thursday, January 6, 2011
8:30 a.m. – 5:00 p.m.

Rochester Museum and Science Center
657 East Ave
Rochester, NY 14607