

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

**9:00 am**      *Introduction*  
**Josh Munger, Faculty Organizer**

**9:05 am**      **Session I Chair – Beth Grayhack**  
**Gloria Culver**  
Department of Biology  
*Analysis of Bacterial Ribosome Biogenesis*

**9:30 am**      **William McDougall**  
Department of Biochemistry and Biophysics  
*Characterization of the APOBEC3G ssDNA Editing  
Complex and its Regulation by RNA*

**9:55 am**      **Fred Hagen**  
Department of Biochemistry and Biophysics  
*Mass Spectrometry Approaches for Proteome and Small  
Molecule Analysis*

**10:20 am**      *Coffee Break and Poster Session (Evens)*

**11:20 am**      **Session II Chair – Jessica McArdle**  
**Sergiy Nadtochiy**  
Department of Anesthesiology  
*Sirtuins and Cardiac Stress Response*

**11:45 am**      **Lata Balakrishnan**  
Department of Biochemistry and Biophysics  
*Acetylation of DNA Replication and Repair Regulates  
Genome Fidelity*

**12:10 pm**      *Buffet Lunch*

**12:50pm**      *Poster Session (Odds) and Sponsor Tables*

**2:00 pm**      **Session III Chair – Adam Miller**  
**Yi-Tao Yu**  
Department of Biochemistry and Biophysics  
*Regulation of RNA Function by Targeted Nucleotide  
Modification*

**2:25 pm**      **Michael Guy**  
Department of Biochemistry and Biophysics  
*Unexpected Complexity of Critical Methylation Reactions in  
the tRNA Anticodon Loop*

**2:50 pm**      **Karyn Schmidt**  
Department of Biochemistry and Biophysics  
*Differential Targeting of Transcripts to the RNA  
Surveillance System in S. cerevisiae*

**3:15 pm**      *Coffee and Snack Break*

**3:40 pm**      **Session IV Chair – Josh Munger**  
**Bradley Smith**  
Department of Biomedical Genetics  
*Tumor Suppression Associated with Cholesterol Exporter  
ABCA1*

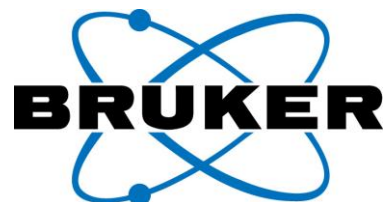
**4:05 pm**      **Joshua Horn**  
Department of Biochemistry and Biophysics  
*Characterizing GPCR-Lipid Interactions Using Multiscale  
Molecular Dynamics*

**4:30 pm**      **Alan Smrcka**  
Department of Pharmacology and Physiology  
*G Protein-Coupled Receptor Regulation of  
Phosphoinositide Signaling Networks*

**4:55 pm**      *Closing Remarks*  
*Beth Grayhack, Faculty Organizer*

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## Biochemistry and Molecular Biology (BMB) Program

### 9<sup>th</sup> Annual Retreat



**Faculty Organizers:** Josh Munger, Beth Grayhack  
**Student Organizers:** Adam Miller, Jessica McArdle  
**Staff Organizer:** Karen Uber

Thursday, January 12, 2012  
8:30 a.m. – 5:00 p.m.



The Department of  
Biochemistry  
and Biophysics

*Rochester Museum and Science Center  
Eisenhart Auditorium  
657 East Ave  
Rochester, NY 14607*