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**RNA Structure and
Function Cluster**

**The Department of
Biochemistry and
Biophysics**

Biochemistry and Molecular Biology (BMB) Program

10th Annual Retreat

Faculty Organizers: Beth Grayhack & Josh Munger
Student Organizers: Angela Balliano & Jiashi Wang
Staff Organizers: Melissa Vera & Aleks Jaskowiak

Monday, January 14, 2013
8:30 a.m. – 5:00 p.m.

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

8:30 a.m. *Registration, Poster Setup,
Continental Breakfast*

9:00 a.m. *Introduction*
Josh Munger, Faculty Organizer

9:05 a.m. **Session I Chair – Angela Balliano**
Eric Phizicky
Department of Biochemistry & Biophysics
tRNA quality control mechanisms

9:35 a.m. **Reyad Elbarbary**
Department of Biochemistry & Biophysics
*STAUI binding to 3'UTR IRAlus complements nuclear
retention to protect cells from PKR-mediated
translational shutdown*

10:05 a.m. *Coffee Break and Poster Session (Evens)*

11:05 a.m. **Session II Chair – Josh Munger**
Career Panel
Joan Adamo, Clinical and Translational Science
Institute
Sina Ghaemmaghmi, Department of Biology
Scott Steele, Public Health Sciences

12:05 p.m. *Buffet Lunch*

12:55 p.m. *Poster Session (Odds) and Sponsor Tables*

1:55 p.m. **Session III Chair – Jiashi Wang**
Dirk Bohmann
Department of Biomedical Genetics
*Mechanisms and functions of Nrf2-mediated stress
responses*

2:25 p.m. **Sina Ghaemmaghmi**
Department of Biology
Global analysis of protein turnover

2:55 p.m. **Dave Mathews**
Department of Biochemistry & Biophysics
*A decade of progress in methods for predicting RNA
structure*

3:25 p.m. *Coffee and Snack Break*

3:45 p.m. **Session IV Chair – Beth Grayhack**
Enea Salsi
Department of Biochemistry & Biophysics
*Elongation factor G undergoes an extensive structural
rearrangement during ribosomal translocation*

4:15 p.m. **Mark Dumont**
Department of Biochemistry & Biophysics
*Structure of the integral membrane protein CaaX
Protease Ste24p*

4:45 p.m. *Closing Remarks*
Beth Grayhack, Faculty Organizer