Time	Session
8:30 – 9:00 a.m.	**Registration, Breakfast & Poster Set-Up**
9:00 – 9:05 a.m.	**Introduction** Joseph Wedekind, Ph.D. BSCB Retreat Organizer
9:10 – 9:40 a.m.	**Kenneth Ng, Ph.D.** Department of Biological Sciences, University of Calgary *Crystallographic studies of Clostridium difficile toxins: the structural basis of carbohydrate recognition and antibody neutralization*
9:45 – 10:05 a.m.	**Dejun Lin, M.S.** (Advisor: Dr. Grossfield) Department of Biochemistry & Biophysics *Thermodynamics of antimicrobial lipopeptide binding to membranes: Origins of affinity and selectivity*
10:10 – 11:00 a.m.	**Morning Break/Poster Session (Odds)**
11:05 – 11:25 a.m.	**Sarah Loerch, M.S.** (Advisor: Dr. Kielkopf) Department of Biochemistry & Biophysics *Investigating a phosphorylation-sensitive SF3b155 scaffold for UHM-containing splicing factors*
11:30 – 11:55 a.m.	**Andrew Torelli, Ph.D.** Department of Chemistry, Bowling Green State University *Filling the gaps - an investigation of blue proteins that support globally-significant archaeal nitrification*
12:00 – 1:00 p.m.	**Lunch**
1:00 – 1:20 p.m.	**Daniel Letzring, Ph.D.** Forensic Firearms Examiner, Monroe County Crime Lab *The Monroe County Crime Laboratory*
1:25 – 2:15 p.m.	**Career Panel Discussion** Dr. Cary Bauer Dr. Eaton Lattman Dr. Daniel Letzring Dr. Kenneth Ng Dr. Andrew Torelli
2:20 – 3:00 p.m.	**Afternoon Break/Poster Session (Evens)**
3:05 – 3:25 p.m.	**Clarence Ling, M.S.** (Advisor: Dr. Ermolenko) Department of Biochemistry & Biophysics *Initiation factor 2 stabilizes the ribosome in a semi-rotated conformation during the subunit-joining step of translation initiation*
3:30 – 3:40 p.m.	**BSCB Mixer Award** Presented by Kyle Berger, Rakesh Chatrikhi, & Mallory Scott
3:45 – 4:05 p.m.	**Collins Nganou** (Advisor: Dr. McCamant) Department of Chemistry *The ultrafast photochemistry and molecular dynamics leading to thymine dimerization by ultraviolet*
4:10 – 4:50 p.m.	**Eaton Lattman, Ph.D.** CEO, Hauptman Woodward Medical Research Institute & Department of Structural Biology, University at Buffalo *X-ray lasers: How femtosecond pulses can illuminate biology*
4:55 – 5:00 p.m.	**Elena Gilde Grossfield Trainee Presentation Award** Alan Grossfield, Ph.D. Department of Biochemistry & Biophysics
5:00 p.m.	**Closing Remarks** David Mathews, M.D., Ph.D. BSCB Program Director

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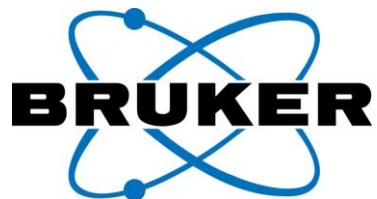
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University of Rochester

Biophysics, Structural and

Computational Biology

Program Retreat

Tuesday, November 11, 2014

Memorial Art Gallery

500 University Avenue

Rochester, New York 14607

Faculty Organizer: Dr. Joseph Wedekind
Student Organizers: Kyle Berger, Rakesh Chatrikhi & Mallory Scott
Staff Organizers: LaSarah Reynolds, Melissa Vera & Amanda Gibson