

8:30 - 9:15 a.m.	Registration, Breakfast & Poster Set-Up	11:50 – 12:00 noon	Memories of Phil Knauf, Ph.D. Rick Waugh, Ph.D.
9:15 - 9:20 a.m.	Introduction Bill Bernhard, Ph.D.	12:00- 1:45 p.m.	Lunch, Posters, & Gallery Tour
9:20 – 9:45 a.m.	Clara Kielkopf, Ph.D. Department of Biochemistry & Biophysics Structural and Thermodynamic Mechanisms of 3' Splice Site Recognition	1:45 – 2:15 p.m.	Michael Malkowski, Ph.D. Hauptman-Woodward Medical Research Institute and SUNY at Buffalo Oxylipin Biosynthesis in Pathogen-Inducible Oxygenase
9:45 – 10:10 a.m.	Lukas Novotny, Ph.D. The Institute of Optics Single Molecule Fluorescence Studies of Membrane Proteins	2:15 –2:40 p.m.	Neelaabh Shankar (D. Turner, Advisor) Department of Biochemistry and Biophysics Solution Structure of RNA Internal Loops with Bulged Bases
10:10 – 10:35 a.m.	Bill Bernhard, Ph.D. Department of Biochemistry and Biophysics Physical-Chemical Mechanisms of Damage Formation in DNA by the Direct Action of Ionizing Radiation	2:40 – 3:10 p.m.	Ice Cream Break
10:35 – 10:55 a.m.	Break	3:10 – 3:35 p.m.	Andy Torelli (J. Wedekind, Advisor) Department of Biochemistry & Biophysics Comparison of a 2',5'-Phosphodiester Linkage to Vanadium Oxide at the Cleavage Site of a Small Ribozyme Offers a New Choice for Reaction Intermediate Analogs
10:55 – 11:20 a.m.	Xiaodong Wang (J. Hayes, Advisor) Department of Biochemistry & Biophysics The Effect of Acetylation on Interactions of the Histone N-terminal Tail Domains With DNA in Nucleosome Core Particles and Nucleosome Arrays	3:35 – 4:00 p.m.	Jim McGrath, Ph.D. Department of Biomedical Engineering Revolutionary Molecular Separations Using Ultrathin Silicon Membranes
11:20 – 11:50 a.m.	Mike King, Ph.D. Department of Biomedical Engineering Multiscale Modeling of Receptor-Mediated Platelet Adhesion Under Flow	4:00 p.m.	Closing Remarks Mark Dumont, Ph.D.

University of Rochester

Biophysics and

Structural Biology

Cluster Retreat

Dedicated to the Memory of Philip Knauf, Ph.D.

Organizers: Bill Bernhard, Mark Dumont, Jim McGrath

Thursday, January 11, 2007

Memorial Art Gallery

500 University Avenue

Rochester, New York 14607