

8:30 - 9:15 a.m.

Registration, Breakfast & Poster Session

11:50 - 12:00 noon

Memories of Phil Knauf, Ph.D.
Rick Waugh, Ph.D.

9:15 - 9:20 a.m.

Introduction
Bill Bernhardt, Ph.D.

12:00 - 1:45 p.m.

Lunch, Exhibits & Labors

9:20 - 9:45 a.m.

Clara Kiehlkopf, 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.
Department of Biochemistry & Biophysics
Oxylipin Biosynthesis in Pathogen-Inducibile Oxygenase

9:45 - 10:10 a.m.

Lukas Novotny, Ph.D.
The Institute of Optics
Single molecule fluorescence studies of Membrane Proteins

2:15 - 2:45 p.m.

Neelaabh Shankar (D. Turner, Advisor)
Department of Chemistry and Biophysics
Solution Structure of RNA Internal Loops with Bulged Base

10:10 - 10:35 a.m.

Bill Bernhardt, Ph.D.
Department of Biochemistry and Biophysics
Physical-Chemical Mechanisms of Damage Formation in DNA by the Direct Action of Ionizing Radiation

10:35 - 10:55 a.m.

Tea/Coffee Break

10:35 - 10:55 a.m.

Break

3:10 - 3:35 p.m.

Arny Torelli (J. Wedekind, Advisor)
Department of Biochemistry
Comparison of a 2',5'-Phosphodiester Linkage to validate Oxidative cleavage as a means to identify DNA-protein crosslinks
...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 Core Particles
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

Biophysics and

Structural Biology

Cluster Retreat

Dedicated to the memory of ГИОР КИЛИ, Ph.D.

Organizers: Bill Bernhard,

Thursday, January 11, 2007

Memorial Center

500 University Avenue

Rochester, New York 14607