Trends in Structural Biology
28-29 April
Brookhaven National Laboratory
Physics Department Large Seminar Room Bldg 510

Program Agenda

Thursday, April 28

Chair: Vivian Stojanoff

9:00—9:30	**Opening Remarks,** Photon Science Division, Brookhaven National Laboratory
9:30—10:00	**Enrique Rudino,** Universidad Autonoma Nacional de Mexico Protein crystallography on metalloenzymes
10:00—10:15	Break

Chair: Patrick Loll

10:15-10:45	**Mario Amzel,** John Hopkins University School of Medicine Peptidylglycine Hydroxylating Monooxygenase: A Dicopper Hydroxylase.
10:45—11:15	**Roger Fourme,** SOLEIL MX and HPMX using higher energy photons: a new paradigm
11:15—11:30	Break

Chair: Saivenkatesh Seetharaman

11:30—12:00	**Ming-Ming Zhou**, Mount Sinai School of Medicine TBA
12:00—12:30	**Dean Madden,** Dartmouth Medical School Deciphering the mechanism of the Pseudomonas virulence factor Cif
12:30—1:30	Lunch break

Chair: Lisa Miller

1:30—2:00	**Wayne Hendrickson***,* Columbia University Life Science at the NSLSII
2:00—2:30	**Gino Cingolani,** Thomas Jefferson University Multisubunit ATPases: large, complex and essential
2:30—2:45	Break

Chair: Qun Liu

2:45—3:15	**Bert van den Berg,** University of Massachusetts Medical School How do greasy molecules enter sugar-coated bacteria?

3:15—3:45	**Xiangpeng Kong,** New York University, Langone Medical Center Structures of anti-HIV antibodies and HIV/AIDS vaccine discovery
3:45—4:00	Break
Chair: Jens Birktoft	
4:00—4:30	**James Holton,** Advanced Light Source The optimum wavelength for macromolecular crystallography
4:30—5:00	**Veijo Honkimäki,** European Synchrotron Radiation Facility Diffraction at high photon energies
5:00—6:00	Discussion leader: Pat Loll

Friday, April 29

Chair: Patrick Loll	
9:00—9:30	**Michael Wiener**, University of Virginia Membrane Protein Structural Genomics: An Example, In Progress
9:30—10:00	**Ji-fang Zhang,** Thomas Jefferson University; Jefferson Medical School Structural basis for calmodulin as a versatile calcium sensor
10:00—10:15	Break
Chair: Enrique Rudino	
10:15—10:45	**Yong Tang,** Wistar Institute Structural and functional studies of N-acetyltransferases that target histones and beyond
10:45—11:15	**Gyorgy Snell,** Takeda Pharmaceuticals Protein Crystallography for Structure Based Drug Design: The Industrial Perspective
11:15-11:30	Break
Chair: Veijo Honkimaki	
11:30—12:00	**Peter Siddons,** Brookhaven National Laboratory Trends in X-ray detectors
12:00—1:00	Discussion leaders Veijo Honkimaki and Gino Cingolani