

CHESS Users' Meeting 2012

June 5-6, 2012

Robert Purcell Conference Center

Tuesday, June 5th

Michael Malkowski- Hauptman-Woodward Institute

"Flexibility Drives Substrate Promiscuity in Cyclooxygenase-2"

Brian Korgel- The University of Texas Austin

"The Role of Ligands in Nanocrystal Superlattice Phase Behavior"

Neela Yennawar – Penn State University

"Use of CHESS Beamlines for X-ray Crystallography and Small Angle X-ray Scattering Projects from Pennsylvania State University"

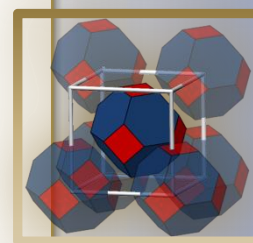
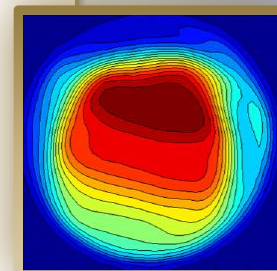
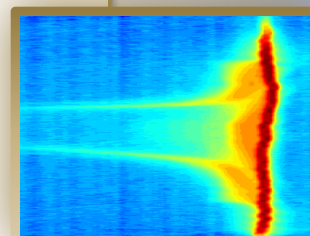
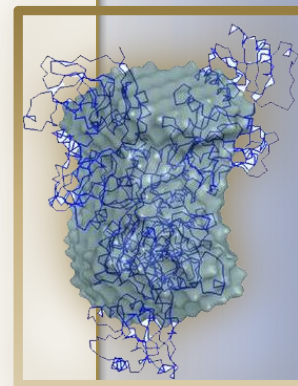
Joost Vlassak – Harvard University

"A Combinatorial Technique for the Calorimetric Analysis of Nanoscale Quantities of Materials"

To Be Announced – Winner(s) of the 2012 CHESS Research Paper Prize

Poster Session - Awards for 'best' in two categories: Science and Technical Development
(awards to be presented on Wednesday)

After-Dinner Tribute – **Donald H. Bilderback** – Retiring Associate Director of CHESS



Wednesday, June 6th

Workshop I: "Nanocrystal Superlattices"

Hongyou Fan – Sandia National Laboratories

"Pressure-directed Assembly of New Classes of Nanocrystal Superlattices and Nanostructures"

James Fang – SUNY Binghamton

"Self-assembled Superstructure of Octahedral and Cubic Nanocrystals"

Tobias Hanrath – Cornell University

"Nanocrystal Superlattices: a model system for artificial solids"

Richard Robinson – Cornell University

"Chemical Transformations in Nanoparticles, Studied through X-ray Absorption Spectroscopy"

Greg Hura - Lawrence Berkeley National Lab

"Solution Bio-SAXS in High-throughput at SIBYLS"

Richard Hennig - Cornell University

"Prediction of Nanocrystal Morphology and Assembly"

Workshop II: "Flexibility and Macromolecular Structure"

Markus Lill - Purdue University

"Computational Prediction of Flexible Regions in Proteins that Interact with Ligands"

Joseph Marcotrigiano - Rutgers University

"Structural Basis of RNA Recognition and Activation by Innate Immune Receptor RIG-I"

Zachary Wood – University of Georgia

"Conformational Flexibility in the Allosteric Regulation of Human UDP-glucose 6-dehydrogenase"

Chae Un Kim – Cornell University

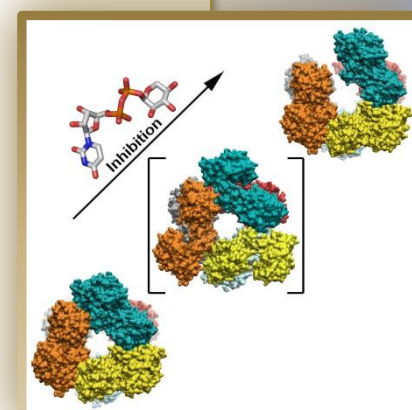
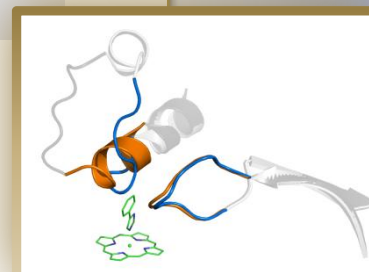
"Water and Protein Dynamical Transition"

Greg Hura - Lawrence Berkeley National Lab

"Solution Bio-SAXS in High-throughput at SIBYLS"

Richard Hennig - Cornell University

"Prediction of Nanocrystal Morphology and Assembly"



Cornell University

For more information and registration:
<http://meetings.chess.cornell.edu/UserMeeting2012>

