Program

Friday March 25, 2011

4:00 PM Arrival and Registration

6:00 PM Dinner

7:00 PM Introduction

7:10 PM Dmitri Ivanov (UTHSCSA) “Capsid-mediated interactions in HIV assembly and restriction”

7:45 PM Joff Silberg (Rice) “Ironing out strategies for designing split protein biosensors”

8:20 PM Joshua Wand - Keynote Speaker (U Penn School of Med) “The dark energy of proteins comes to light: A role for protein conformational entropy in protein-ligand interactions”

9:10 PM Social and Discussion

Saturday March 26, 2011

8:00 AM Breakfast

9:00 AM Introduction

9:10 AM Eileen Lafer (UTHSCSA) “Clathrin Coated Vesicle Dynamics”

9:45 AM Jianpeng Ma (Baylor) “Enhanced Sampling and Protein Folding in Explicit Solvent”

10:20 Coffee Break AM

10:30 AM Adrián Keatinge-Clay (UT Austin) “The Unusual Substructures of Modular Polyketide Synthases”

11:05 AM Jose Barral (UTMB) “Mechanisms Coordinating Protein Synthesis and Folding throughout Evolution”

11:40 AM Andrey Karamyshev (UTSW) “Identification of novel quality control systems utilizing mutant CFTRs”

12:05 PM Lunch

3:00 PM Posters and Social
6:00 PM Dinner

7:00 PM Introduction

7:10 PM Margaret Cheung (UofH) “Protein structure, stability and folding in the cell - in silico biophysical approaches”

7:45 PM Michel Bouvier (U de Montréal) “Identification of beta-arrestin inhibitors using virtual screening and bioluminescence resonance energy transfer”

8:35 PM Social and Discussion

10:00 PM Lillian Pettitt Classical cello concert live from San Francisco

Sunday March 27, 2011

8:00 AM Breakfast

9:00 AM Introduction

9:10 AM Joshua Schipper (NC State) “Activating Procaspase-3 by targeting the dimer interface, a novel allosteric site for the design of cancer therapeutics”

9:45 AM Steve Lockless (TAMU) “Signal Processing by Protein Systems”

10:20 AM Coffee Break

10:30 AM Payel Das (IBM) “Large-scale Molecular Simulations of Influenza and Cataract”

11:05 AM Chuanying Chen (UofH) “Free energy landscape of nonspecific protein-DNA encounter”

11:30 AM Krystal Morales (TAMU) “Pb^{2+}-modulated membrane interactions of C2 domain from PKCa”

12:00 noon Lunch and Departure