Biophysical Society

FOR IMMEDIATE RELEASE January 9, 2009

Biophysical Society Announces Winners of 2009 Student Travel Awards

Bethesda, MD— The Biophysical Society has announced the winners of its student travel award to attend the Biophysical Society's 53rd Annual Meeting at the Boston Convention and Exhibition Center in Boston, Massachusetts, February 28-March 4, 2009. The recipients of this competitive award are selected based on scientific merit, with priority given to those who will present a paper at the conference. Each awardee receives a travel grant and will be recognized at a reception on Saturday, February, 28 2009.

The 2009 recipients of the Student Travel Award are:

Anish Abraham, University of Texas at Dallas, "Quantitative Study of Single Molecule Localization Techniques"

Roman Agafonov, University of Minnesota, "Structural Dynamics of the Myosin Relay Helix Resolved by DEER and Time-resolved FRET"

Dalia Al-Ansary, University of Saarland, Germany, "PKCßII-Specific Phosphorylation Counteracts Regulation Of TRPV6 By ATP and Points Towards a Functional Difference between its Polymorphic Alleles"

Prafulla Aryal, The Salk Institute and UCSD, "Evidence for a Discrete Alcohol Pocket Mediating GIRK Channel Activation"

Dipanwita Batabyal, Albert Einstein College of Medicine, "Substrate-Protein Interaction in Human Tryptophan Dioxygenase"

Amanda Carpenter, University of Colorado at Boulder, "Human TBP Bending of DNA Measured at the Single Molecule Level"

Jen-Fei Chu, Institute of Atomic and Molecular Sciences, Academia Sinica, Taiwan, "Structure Conversion of Human Telomeric Sequence Studied by Single-molecule Tethered Particle Motion"

Derek Claxton, Vanderbilt University, "Conformational Cycle of a Bacterial Homolog of Human Neurotransmitter Sodium Symporters"

Asi Cohen, Ben-Gurion University, Beersheva, Israel, "Two Distinct Molecular Mechanisms Underlie pH Sensitivity of the Human Potassium Leak Channel K2P2.1"

Thomas Collins, University of Oxford, United Kingdom, "NAADP Dependent Calcium Signaling in Guinea-Pig Atrial Myocytes"

9650 Rockville Pike, Bethesda, MD 20814-3998 P: (301) 634-7114
F: (301) 634-7133 E: society@biophysics.org W: www.biophysics.org

Charles Davis, University of North Carolina at Chapel Hill, "A Molecular Dynamics Study on the Binding and Interaction of the Amyloid-Beta (1-42) Peptide with Phospholipid Bilayers"

Ariele Viacava Follis, Georgetown University, "Potent Inhibitors of c-Myc-Max Dimerization through Multivalent Binding to the Intrinsically Disordered c-Myc Monomer"

Neville Forlemu, University of North Dakota, "Predictions of Protein Circular Dichroism Calculated by the Dipole Interaction Model and Compared to Synchrotron Radiation Circular Dichroism Experiments"

Hernan Garcia, California Institute of Technology, "DNA Architecture and Transcriptional Regulation Exploring DNA's Mechanical Code"

Zach Hensel, Johns Hopkins University, "A Single-Molecule Study of Gene Regulation in Real Time"

Julia Jones, University of Cincinnati, "GP10 of Bacteriophage Phi29 Exhibits ATPase Activity"

Bennett Kalafut, University of Arizona, "Identifying and Quantifying Load-dependence in Transcription Initiation by T7 RNA Polymerase"

David Kast, University of Minnesota, "Phosphorylation-induced Structural Changes in Smooth Muscle Regulatory Light Chain"

Tanping Li, The Ohio State University, "Hydration Dynamics as Revealed by the Fluorescence Stokes Shift: the Origin of Slow Hydration Dynamics and Breakdown of Linear Response"

Jeff McArthur, University of Calgary, Canada, "Molecular Determinants of μ-Conotoxin KIIIA Block of Voltage-gated Sodium Channels"

Carina Monico, European Laboratory for Non-linear Spectroscopy, "Experimental Apparatus for Simultaneous Trapping and Nanometer-precision Localization of Single Biomolecules"

Melanie Norstrom, University of Chicago, "Non-Muscle myosin IIB is a Processive Actin-based Motor"

Jianjun Pan, Carnegie Mellon University, "Cholesterol Perturbs Lipid Bilayers Non-universally Lipid Membranes"

Luca Pisterzi, University of Toronto, Canada, "Oligomeric Size of the M2 Muscarinic Receptor in the Plasma Membrane of Live Cells as Determined by Quantitative FRET"

Shuo Qian, Rice University, "Evidence for Lipidic Pores"

Moran Rubinstein, Tel Aviv University, Israel, "Diverse Regulation of the Neuronal G-Protein Gated K+ Channel (GIRK), GIRK1 and GIRK2 by Gα and Gβγ"

Justin Shaffer, University of California, Davis, "The N-Terminus of Cardiac Myosin Binding Protein-C Contains Multiple Binding Sites for F-Actin"

Kelley Sullivan, University of Rochester, "Expanding the Applicability of the Multi-photon Fluorescence Recovery after Photobleaching Technique in Vivo Using a New Convective Flow Model"

Shen Tang, Georgia State University, "Rational Design of Ca2+ Biosensor"

Andrew Thompson, University of Minnesota, "Measuring Myosin Light Chain Domain Orientation in the Pre-Power Stroke AlF4 States with a Bifunctional Spin Label in Skinned Muscle Fibers"

Matthew Thompson, North Carolina State University, "Resonance Raman Probes of the Internal Binding Pocket of Dehaloperoxidase from Amphitrite ornate"

Livia Costina Vlaicu, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania, "Soft Laser Radiation Effects on Polyphenol Exposed Human T Leukemic Jurkat Cells"

Kimberly Weirich, University of California, Santa Barbara, "The Role of Bilayer Edges in Supported Lipid Bilayer Formation at Low Lipid Concentrations"

Adrian Wendil Serohijos, University of North Carolina at Chapel Hill, "Phenylalanine 508 Forms an Intra-Domain Contact Crucial to CFTR Folding and Dynamics"

Melissa Wiemken, University of South Florida, "Molecular Dynamics Simulations of Mixture of POPC and PIP2 bilayer"

Yao Liang Wong, Northwestern University, "The Kinesin-1 Tail Conformationally Restricts the Nucleotide Pocket"

Qi Yan, Carnegie Mellon University, "Characterizing the Equilibrium Blinking Behavior of Fluorogens with Fluorogen Activating Proteins (FAPs)"

Tingting Yang, Johns Hopkins University, "Multiple Mechanisms and Determinants Underlie Rem Inhibition of Voltage-dependent Calcium (CaV) Channels"

Yifeng Yang, Purdue University, "Protein Structure Prediction without Optimizing Weighting Factors for Scoring Function"

Carissa Young, University of Delaware, "Evaluating Protein Interactions & Organelle Dynamics in Saccharomyces cerevisiae: Spatial Distribution of Molecular Chaperone/Co-Chaperones Evident at a Sub-Organelle Level in the Endoplasmic Reticulum"

Guohui Zheng, Rutgers University, "Computational Studies of Nucleosome and Chromatin Folding"

The Biophysical Society, founded in 1956, is a professional, scientific society established to encourage development and dissemination of knowledge in biophysics. The Biophysical Society's Annual Meeting is the world's largest meeting of biophysicists -over 6,000 attendees are expected. Over 3700 scientific abstracts have already been submitted for presentation at this event. For more information about the Meeting or the Society's awards, visit http:/www.biophysics.org or contact Ellen R. Weiss at (301) 634-7176 or eweiss@biophysics.org.