Biophysical Society

FOR IMMEDIATE RELEASE **December 6, 2010**

Biophysical Society Announces Winners of 2011 International Travel Awards

Rockville, MD— The Biophysical Society has announced the winners of its international travel grants to attend the Biophysical Society's 55th Annual Meeting at the Baltimore Convention Center in Baltimore, Maryland, March 5-9, 2011. The purpose of these awards is to foster and initiate further interaction between American biophysicists and scientists working in countries experiencing financial difficulties. Recipients of this competitive award are chosen based on scientific merit and their proposed presentation at the meeting. They will be honored at a reception on Sunday, March 6.

The 2011 recipients of the International Travel Award are:

Sri Rama Koti Ainavarapu, Tata Institute of Fundamental Research, India, SINGLE-MOLECULE STUDIES OF THE PARALLEL UNFOLDING PATHWAYS OF MALTOSE BINDING PROTEIN (MBP).

Natalia Andersen, Instituto de Investigaciones Bioquimicas, Argentina, NUMBER OF EXTRACELLULAR-TRANSMEMBRANE INTERFACES REQUIRED FOR ACTIVATION OF HOMOMERIC CYS-LOOP RECEPTORS.

Daniela Araiza Olivera Toro, Universidad Nacional Autonoma de México, Mexico, SACCHAROMYCES CEREVISIAE GLYCOLYTIC ENZYMES ARE STABILIZED BY ASSOCIATION WITH ACTIN.

Syed Asrafuzzaman, University of Kalyani, India, THE HOLDING AND FOLDING CHAPERONE PROPERTIES OF TWO SMALL HEAT-SHOCK PAIR PROTEINS IBPA AND IBPB OF ESCHERICHIA COLI.

Noa Barak, Tel Aviv University, Israel, NON CHANNEL FUNCTION OF KV2.1 TO FACILITATE EXOCYTOSIS; UNDERLYING MOLECULAR MECHANISM.

OFFICERS
President
Peter Moore
Yale University
President-Elect
Richard Aldrich
Univeristy of Texas, Austin
Past-President
Henry Lester
California Institute of Technology
Secretary
Dorothy Beckett
University of Maryland
Treasurer
Linda Kenney
University of Illinois, Chicago
Executive Officer
Rosalba Kampman
Biophysical Society, Rockville

COUNCIL
Nancy Allbritton
Olaf S. Andersen
Ivet Bahar
Michael D. Cahalan
Patricia Clark
Marco Colombini
Enrique M. De La Cruz
Laura Finzi
Angel E. Garcia
Susan P. Gilbert
Angela Gronenborn
Donald W. Hilgemann
Vasanthi Jayaraman
Antoinette Killian
Tanja Kortemme
David Millar
Steven Rosenfeld
Catherine Royer
Petra Schwille
Peter T. So
Michael C. Wiener

BIOPHYSICAL JOURNAL
Editor-in-Chief
Edward Egelman

COMMITTEE CHAIRS
Awards
H. Jane Dyson
Finance
Linda Kenney
Nominating
Michael Cahalan
Member Services
Dorothy Beckett
Early Careers
Damien Samways
Education
David Dawson
International Relations
Felx Goñi
Minority Affairs
Luis Marky
Professional Opportunities for Women (CPOW)
Rajini Rao
Membership
Erin Sheets
Publications
David Piston
Public Affairs
R. John Solaro and Kathleen Hall, Co-Chairs

11400 Rockville Pike, Suite 800, Rockville, MD 20852 P: (240) 290-5600
F: (240) 290-5555 E: society@biophysics.org W: www.biophysics.org

FabienBrette,University of Manchester, United Kingdom, LOCALIZATION OF β-ADRENERGIC RECEPTORS IN RAT VENTRICULAR MYOCYTES: SUB-CELLULAR ASPECTS.

Rima Budvytyte, University of Vilnius, Lithuania, MEMBRANE AFFINITY AND NEUROTOXICITY OF β-AMYLOID OLIGOMERS.

Mariana Casas, University of Chile, Chile, Cav1.1 ACTS AS A VOLTAGE SENSOR FOR TWO SEPARATE PROCESSES IN SKELETAL MUSCLE WITH DIFFERENT VOLTAGE DEPENDENCE.

Hu Chen, National University of Singapore, Singapore, FILAMIN A SEGMENTS RESPOND FORCE DIFFERENTLY.

Larisa E. Cybulski, Instituto de Biología Molecular y Celular de Rosario, Argentina, THERMOSENSOR DESK MEASURES MEMBRANE THICKNESS.

George Diallinas, University of Athens, Greece, IDENTIFICATION OF A SUBSTRATE TRANSLOCATION TRAJECTORY IN THE INWARD-FACING CONFORMATION OF THE MONOCARBOXYLATE/H+ SYMPORTER JEN1.

Santiago Di Lella, University of Buenos Aires, Argentina, UNRAVELING KEY FEATURES OF THE BETA-GALACTOSIDE BINDING PROTEIN GALECTIN-1 IN INTERPLAY WITH LIGAND BINDING AND DIMERIZATION EQUILIBRIA.

Martin M. Dodes Traian, University of Buenos Aires, Argentina, MODULATION OF THE ACTIVITY OF AN INTEGRAL MEMBRANE PROTEIN BY PHOSPHOLIPIDS IN MIXED MICELLES.

Meidan Dvir, Sackler Medical School, Tel Aviv University, Israel, A KCNE1 C-TERMINUS LONG QT MUTATION DISRUPTS A CRUCIAL INTERACTION WITH THE KV7.1 COILED-COIL HELIX C AND REDUCES IKS CHANNEL EXPRESSION.

Adi Etzioni, Tel Aviv University, Israel, GATING MODULATION OF KCNQ2\3 VIA N-C TERMINI INTERACTION.

Hayk Gevorgyan, Yerevan State University, Armenia, THE COMBINED EFFECT OF ELECTROSTATIC FIELD AND OSMOTIC PRESSURE ON THE STABILITY OF BILAYER LIPID MEMBRANES.

Iffath A. Ghouri, University of Glasgow, United Kingdom, TRANSIENT NADH RESPONSES TO CYANIDE RELATED TO THE ABSORPTION PROPERTIES OF INTACT CARDIAC TISSUE.

Sergio Guerrero Castillo, Universidad Nacional Autónoma de México, Mexico, MITOCHONDRIAL RESPIRATORY CHAIN ALTERNATIVE COMPONENTS ACTIVITY DURING DIFFERENT GROWTH PHASES IN YARROWIA LIPOLYTICA.

Gábor Hild, University of Pécs, Medical School, Hungary, THE EFFECT OF TOXOFILIN ON THE STRUCTURE OF MONOMERIC ACTIN.

Aleksandr V. Ilyaskin, Institute of Cytology and Genetics, Russia, MATHEMATICAL MODEL OF THE REGULATORY CELL VOLUME DECREASE.

Tzvetana R. Lazarova, Universitat Autònoma de Barcelona, Spain, CONFORMATIONAL CHARACTERIZATION OF TACHYKININ NEUROPEPTIDES: ROLE OF THE POLYPROLINE II STRUCTURE.

Leonel S. Malacrida, Hospital de Clínicas, Uruguay, HALOGENATED ANESTHETICS IMPAIRS BIOPHYSICAL PROPERTIES OF A MEMBRANE MODEL OF PULMONARY SURFACTANT.

Ivo C. Martins, Institute of Molecular Medicine, Brazil, CHARACTERIZATION OF THE INTERACTION OF THE DENGUE VIRUS CAPSID PROTEIN WITH LIPID DROPLETS.

Patrícia A. T. Martins, Universidade Coimbra, Portugal, THERMODYNAMICS OF CHLORPROMAZINE ASSOCIATION WITH LIPID BILAYERS.

Ana M. Melo, Instituto Superior Técnico, Portugal, QUANTIFYING PROTEIN BINDING TO LIPID VESICLES USING FLUORESCENCE CORRELATION SPECTROSCOPY (FCS).

Arpad Mike, Institute of Experimental Medicine, Hungary, PHYSICOCHEMICAL PROPERTIES OF SODIUM CHANNEL INHIBITORS WHICH DETERMINE AFFINITY TO RESTING AND DEPOLARIZED STATES.

Pinaki Pramathadhip Misra, Indian Institute of Technology, Bombay, India, A COMPREHENSIVE ANALYSIS OF BOVINE α-LACTALBUMIN MOLTEN GLOBULE IN PRESENCE OF SURFACTANTS: BIOPHYSICAL CORRELATES.

Vivek Modi, Indian Institute of Technology, India, DIFFERENTIAL BINDING AFFINITIES OF ANTI-APOPTOTIC MCL-1 AND A1 PROTEINS FOR THE PRO-APOPTOTIC BH3 PEPTIDES: UNDERSTANDING THE MOLECULAR BASIS USING MD SIMULATIONS.

DavideNormanno, Ecole Normale Superieure, France, PROBING TARGET SEARCH MECHANISMS OF TRANSCRIPTION FACTORS IN HUMAN CELLS.

Anna Poladyan, Yerevan State University, Armenia, MOLECULAR HYDROGEN FORMATION BY ESCHERICHIA COLI HYDROGENASE 3 DURING FERMENTATION OF GLUCOSE AT SLIGHTLY ACIDIC pH.

Maria Ryazantseva, St. Petersburg State University, Russia, FAMILIAL ALZHEIMER'S DISEASE MUTATIONS IN PRESENILIN-1 AND STORE-OPERATED CALCIUM ENTRY.

Hugo Sanabria, Heirich Heine Universität, Germany, SUBMICRO TO MILLISECOND CONFORMATIONAL TRANSITIONS OF BACTERIOPHAGE T4 LYSOZYME WITH ÅNGSTRÖM ACCURACY USING MULTIPARAMETER FLUORESCENCE DETECTION.

Ricardo K. Sepúlveda-Hirose, Universidad Nacional Autonoma de México,Mexico, ROLE OF THE PUTATIVE GLYCINES HINGE OF CaV3.3 CHANNELS.

Garima Singhal, National Centre for Biological Sciences, India, NICOTINIC ACETYLCHOLINE RECEPTOR INTERNALIZATION AND ACTIN DYNAMICS.

Kinshuk R. Srivastava, Indian Institute of Technology, India, STEREOCHEMISTRY AND PROTEIN FOLDING: SPECTROSCOPIC AND MOLECULAR DYNAMICS STUDIES OF HOMOPOLYPEPTIDES IN DMSO.

Andras Szollosi, Semmelweis University, Hungary, STUDIES ON CORRELATED PAIRS AT THE NBD-NBD AND NBD-TMD INTERFACES IN CFTR.

Romina Vazquez, INIBIOLP, Argentina, LFD EFFECTS OF ALPHA HEMOLYSIN FROM E.COLI ON ERYTHROCYTES FROM DIFFERENT SPECIES.

Janos Vincze, University of Debrecen, Hungary, GENETIC ALGORITHM BASED COMPUTER SIMULATION REVEALS A NEW PROPERTY OF Kv1.3 INACTIVATION.

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 (240) 290-5606 or eweiss@biophysics.org.