Biophysical Society

FOR IMMEDIATE RELEASE
December 2, 2011

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Biophysical Society Announces Winners of 2012 International Relations Committee Travel Awards

Rockville, MD— The Biophysical Society has announced the winners of its International Relations Committee travel awards to attend the Biophysical Society's 56th Annual Meeting at the San Diego Convention Center in San Diego, California, February 25-29, 2012. 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, February 26.

The 2012 recipients of the International Relations Committee Travel Award are:

Ligia Antonio, University of Sao Paulo, Ribeirao Preto, Brazil, AFM IMAGING REVEALS THE ASSEMBLY OF A P2X RECEPTOR COMPLEX CONTAINING P2X2, P2X4 AND P2X6 SUBUNITS.

Seetharamaiah Attili, CIC biomaGUNE, San Sebastian, Spain, COMPRESSIVE MECHANICS OF HYALURONAN BRUSHES - A STUDY WITH A COMBINED COLLOIDAL PROBE AFM/RICM SETUP.

Cecilia Bouzat, Instituto de Investigaciones Bioquimicas, Bahia Blanca, Argentina, CONTRIBUTION OF AGONIST BINDING SITES AND COUPLING REGIONS TO ACTIVATION AND DESENSITIZATION OF HOMOMERIC CYS-LOOP RECEPTORS.

Maria Celej, National University of Cordoba, Argentina, ALPHA-SYNUCLEIN AMYLOID OLIGOMERS EXHIBIT BETA-SHEET ANTIPARALLEL STRUCTURE AS REVEALED BY FTIR SPECTROSCOPY.

Ibrahim Cisse, Ecole Normale Superieure, Paris, France, FROM SINGLE-MOLECULE INTERACTIONS TO POPULATION-LEVEL DYNAMICS: UNDERSTANDING THE COMPLEX ORGANIZATION OF RNA POL II IN THE NUCLEUS OF LIVING CELLS.

Gustavo Contreras, University of Valparaiso, Chile, DIFFERENTIAL EFFECTS OF BETA SUBUNITS ON THE VOLTAGE SENSOR OF CA^{2+} AND VOLTAGE-ACTIVATED K+ CHANNELS.

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Sandra de Keijzer, Radboud University Nijmegan Medical Center, The Netherlands, DECIPHERING THE CROSS-TALK OF THE PROSTAGLANDIN G-PROTEIN COUPLED RECEPTORS EP2 AND EP4: FROM MOLECULAR INSIGHTS TO NOVEL ANTI-TUMOR TARGETS.

Hongxia Fu, National University of Singapore, Singapore, ATP HYDROLYSIS DEPENDENT DYNAMIC STABILITY OF RECA NUCLEOFILAMENT ON DOUBLE-STRANDED DNA.

Vanesa Galassi, National University of Cordoba, Argentina, INTERACTION OF AN ACIDIC PERIPHERAL PROTEIN WITH ANIONIC LIPID MEMBRANES: INSIGHTS FROM MOLECULAR DYNAMICS.

Tzachi Hagai, Weizmann Institute, Rehovot, Israel, PROTEIN DISORDER AND DEGRADATION: IS UBIQUITIN THE MISSING LINK?

Radoslav Janicek, Institute of Molecular Physiology and Genetics SAS, Bratislava, Slovakia, REFRACTORINESS OF CALCIUM RELEASE UNITS IN RAT CARDIAC MYOCYTES.

Soojin Jo, Sungkyunkwan University, Suwon, Korea, NORMAL MODE COMPARISON ELUCIDATES DYNEIN WALKING MECHANISM TRIGGERED BY ATP HYDROLYSIS.

Maria Mariani, National University of Cordoba, Argentina, A NEW SECRETORY PHOSPHOLIPASE A2 FROM GLYCINE MAX SOYBEAN: PURIFICATION, CHARACTERIZATION AND KINETIC ANALYSIS.

Nathaly Marin-Medina, Universidad de los Andes, Bogota, Colombia, OBSERVATION OF BACTERIAL TYPE I PILI EXTENSION UNDER FLUID FLOW.

Joaquim Marques, University of Lisbon, Portugal, FORMATION OF BIOMIMETIC MEMBRANE RAFTS ON BARE AND MODIFIED GOLD.

Kirill Nadezhdin, IBCH RAS, Moscow, Russia, STRUCTURE OF TRANSMEMBRANE DOMAIN AND DIMERIZATION MECHANISM OF AMYLOID PRECURSOR PROTEIN.

Anna Neumann, Gdansk University of Technology, Poland, NEW INSIGHTS INTO THE MEMBRANE MECHANISM OF ACTION OF AMPHOTERICIN B FROM MOLECULAR DYNAMICS SIMULATIONS.

Manuela Pereira, New University of Lisbon, Oeiras, Portugal, ENERGY TRANSDUCTION BY BACTERIAL COMPLEXES I.

Estefania Piegari, FCEN-UBA, Buenos Aires, Argentina, STUDYING CALCIUM SIGNAL RESHAPING BY BUFFERS OBSERVING THE COMPETITION OF TWO DYES.

Suvrajit Saha, National Centre for Biological Sciences, Tata Institute for Fundamental Research, Bangalore, India, UNDERSTANDING THE NATURE OF CORTICAL ACTO-MYOSIN BASED ACTIVE PATTERNING MACHINERY AND ITS IMPLICATIONS ON THE DYNAMICS AND THE ORGANIZATION OF CELL SURFACE MOLECULES.

Maria Sanchez, INIMEC, Cordoba, Argentina, CHARACTERIZATION OF MEMBRANE LIPIDS AND PROTEIN LATERAL DIFFUSION IN PATTERNED SURFACES.

Ravi Santani, AIIMS, New Delhi, India, STRUCTURAL BASIS OF THE SPECIFIC FUNCTIONS OF PROTEINS SECRETED FROM MAMMARY GLAND DURING DIFFERENT PROGRESSIVE STAGES SUCH AS PROLIFERATIVE, EARLY-LACTATION, LATE-LACTATION AND INVOLUTION PHASES.

Saswata Sarkar, TIFR, Mumbai, India, STRUCTURE AND DYNAMICS OF MOLTEN GLOBULAR INTERMEDIATES ENCOUNTERED DURING THE UNFOLDING OF BARSTAR.

Bidyut Sarkar, Tata Institute of Fundamental Research, Mumbai, India, MULTIPHOTON ULTRAVIOLET MICROSCOPY REVEALS DOPAMINE DYNAMICS IN LIVE BRAIN TISSUE.

Sivan Siloni, Tel Aviv University, Israel, N AND C TERMINAL INTERACTIONS UNDERLIE CHANNEL GATING OF M CHANNELS.

Nitu Singh, Advanced Center for Treatment, Research, and Education in Cancer, Navi-Mumbai, India, INSIGHTS INTO THE NOVEL ADAPTOR-INDEPENDENT APOPTOSIS MEDIATED BY HUMAN PAPILLOMAVIRUS E2 PROTEIN.

Chen Song, Max Planck Institute for Biophysical Chemistry, Gottingen, Germany, STRUCTURE AND DYNAMICS OF THE HUMAN ANTIMICROBIAL PEPTIDE DERMCIDIN OLIGOMER: IT IS AN ION CHANNEL.

Orsolya Szilagyi, University of Debrecen, Hungary, THE POSSIBLE ROLE OF PSD-95 IN THE REARRANGEMENT OF KV1.3 CHANNELS TO THE IMMUNOLOGICAL SYNAPSE.

Sanjay Upadhyay, IIT Bombay, Mumbai, India, MODELING BINDING INTERFACES IN GAL3P-GAL80P AND GAL1P-GAL80P COMPLEXES: IMPLICATION FOR GAL GENES REGULATION.

Ishkhan Vardanyan, Yerevan State University, Armenia, INTERACTION OF PORPHYRINS WITH tRNA: THE INFLUENCE OF IONIC STRENGTH.

Ravi Kumar Verma, IIT Kanpur, India, DISTINGUISHING FEATURES OF AQUAGLYCEROPORIN IN PLASMODIUM FALCIPARUM: COMPARATIVE MOLECULAR DYNAMICS SIMULATIONS OF THREE AQUAPORINS.

Natalia Wilke, Center for Research in Biological Chemistry of Cordoba, Argentina, LINE TENSION IN LIPID MONOLAYERS WITH LIQUID-LIQUID PHASE COEXISTENCE.

The Biophysical Society, founded in 1956, is a professional, scientific Society established to encourage development and dissemination of knowledge in biophysics. The Society promotes growth in this expanding field through its annual meeting, monthly journal, and committee and outreach activities. Its 9000 members are located throughout the U.S. and the world, where they teach and conduct research in colleges, universities, laboratories, government agencies, and industry. For more information on these awards, the Society, or the 2012 Annual Meeting, visit www.biophysics.org.