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International Travel Awards Announced for 2007

Bethesda, MD— The Biophysical Society has announced the winners of its international travel grants to attend the Society's 51st annual meeting in Baltimore, Maryland, March 3-7, 2007. 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 March 3, 2007.

The 2007 recipients of the International Travel Award are:

Yuri Antonenko, Moscow State University, Russian Federation,

"Electrostatics Determines Surface Diffusion of Polylysine Bound to Lipids of Bilayer Membrane as Shown by Fluorescence Correlation Spectroscopy."

Piotr Bednarczyk, Agricultural University SGGW, Warsaw, Poland, "pH and Nucleotide Modulation of Mitochondrial ATP-regulated Potassium Channel."

Marcia Perez dos Santos Cabrera, IBILCE - UNESP, São José do Rio Preto, "Evidence for Pores or Channels in the Activity of a Mastoparn Peptide on Vesicles and BLMs."

Ingrid Carvacho, Centro de Estudios Científicos, Valdivia, Chile, "External Surface Charge Neutralization induces Outward Rectification on the Calcium- and Voltage-activated Potassium Channel BK."

Griselda Casas-Pruneda, School of Medicine, UASLP, San Luis Potosi, Mexico, "Functional Cross-Regulation of Murine Salivary Gland P2X4 and P2X7 Receptors."

Edgardo A. Disalvo, University of Buenos Aires, Argentina, "Water of Hydration and Confined Water are Relevant for the Structural and Functional Properties of Biomembranes."

Rodrigo F. M. de Almeida, Centro de Química-Física Molecular, Instituto Superior Técnico, Lisboa, Portugal, "Complexity of Lipid Domains and Rafts in Giant Unilamellar Vesicles Revealed by Combining Imaging, Microscopic and Macroscopic Time-resolved Fluorescence."

Evgeniy Dubrovin, Moscow State University, Russian Federation, "Visualization of Pathogen-Host Interaction Using AFM."

Veronica Eisner, University of Chile, Santiago, "Mitochondrial Ca2+ Transients upon Electrical Stimulation of Skeletal Myotubes."

Lourdes C. Figueroa, IVIC, Caracas, Venezuela, "Ca2+ Signaling during Development of Muscle Fibers and Primary Culture Myotubes."

Karla Paola Garcia-Pelagio, UMB, UNAM, Mexico, "Passive Visco-elastic Model of the Sarcolema-Myofibril System from Single Isolated Mammalian Muscle Fibers."

Giovanni Gonzalez-Gutierrez, Centro de Neurociencia de V. U. de Valparaiso, Chile, "The SH-3 Domain of Voltage-gated Calcium Channel Beta-Subunit Promotes Endocytosis via Dynamin Interaction."

Krzysztof Jozwiak, International Institute of Molecular and Cell Biology, Warsaw, Poland, "Molecular Models of Presenilins Explain the Role of Their Mutation in Early Onset of Alzheimer's Disease and Interactions with Other Components of Gamma-Secretase."

Ole J. Kemi, University of Glasgow, United Kingdom, "Transverse Tubule Density is Sustained in Physiologic, but not Pathologic Remodeling of the Cardiomyocyte."

Malgorzata Kotulska, Wroclaw University of Technology, Poland, "Natural Fluctuations of an Electro-Nanopore Show Fractional Lévy Stable Motion."

Sanjeev Kumar, National Centre for Biological Sciences, Bangalore, India, "Leucine Heptad Repeats: a Hard Test for Potassium Channel Models."

Chad Leidy, Universidad de los Andes, Bogota, Colombia, "Liquid-disordered/Solid-ordered Phase Coexistence in Escherichia coli and Staphylococcus aureus and Their Sensitivity to Phospholipase A2: an FTIR Study."

Niall Macquaide, University of Glasgow, United Kingdom, "Na+/Ca2+ Exchange Activity Decreases Prior to Cellular Remodeling in a Myocardial Infarction Model in the Rabbit."

Tatiana A. Nenasheva, Ural' State University, "Ekaterinburg, Russian Federation, "Mobility of Individual Protein Molecules at the Plasma Membrane."

Olga Pronina, Institute of Cytology RAS, St. Petersburg, Russian Federation, "Alteration of beta-Tropomyosin Function by Nemaline Myopathy-causing Mutations E117K and Q147P."

Eliecer Ramos, Universidad de los Andes, Bogota, Colombia, "The Effect of Noise in the Transition Rates between Stable States in Genetic Circuits Showing Bistability. Minority Biophysicists"

Ernesto A. Roman, Universidad de Buenos Aires-CONICET, Argentina, "Reversible Unfolding of CopA, a Thermophilic PIB-type Membrane ATPase from Archaeglobus Fulgidus."

Elena A. Sokolenko, Frumkin Institute of Physical Chemistry and Electrochemistry RAS, Moscow, Russian Federation, "Interaction of Sulfonated Metallophthalocyanines with Bilayer Lipid Membranes: Photochemical Activity Versus Adsorption on the Membrane Surface."

Heena Tabassum, Hamdard University, New Delhi, India, "Effect of Docetaxel on Energy-linked Functions of Rat Liver Mitochondria."

Yegor Tourleigh, Moscow State University, Russian Federation, "MD Study of a Nanosyringe."

Jirasak Wong-ekkabut, Mahidol University, Bangkok, Thailand, "Effect of Peroxidation on the Properties of a Palmitoyl-2-linoleyl-sn-glycero-3-phosphatidylcholine Bilayer."

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 nearly 8000 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 the society or the 2007 annual meeting, visit www.biophysics.org.