OFFICERS
President
Stephen C. Harvey
Georgia Institute of Technology
President-Elect
Steven M. Block
Stanford University
Past-President
Yale E. Goldman
University of Pennsylvania
Secretary
Ruth A. Altschuld
Ohio State University Medical Center
Treasurer
Mordecai P. Blaustein
University of Maryland School of Medicine
Executive Officer
Rosalba Kampman
Biophysical Society, Bethesda

COUNCIL
Stephen M. Baylor
Christopher L. Berger
Richard G. Brennan
Robert M. Clegg
Julio M. Fernandez
Clara Franzini-Armstrong
Sharona E. Gordon
Eric Jakobsson
Linda J. Kenney
Elizabeth A. Komives
Barry R. Lentz
Stephen L. Mayo
Tobias Meyer
Justin E. Molloy
Eva Nogales
Diane M. Papazian
Eduardo Rios
Frederick Sachs
Paul R. Selvin
Lukas K. Tamm
Lynmarie K. Thompson

COMMITTEE CHAIRS
Awards
W. David Wilson
Finance
Mordecai P. Blaustein
Nominating
Linda J. Kenney
Professional Development
Jackie C. Tanaka
Early Careers
Patricia L. Clark
Education
Bernard M. Chasan, Co-chair
Richard Ludescher, Co-chair
International Relations
Ligia G. Toro de Stefani
Minority Affairs
Barry R. Lentz
Professional Opportunities for Women (CPOW)
Ishita Mukerji
Publications
Robert L. Jernigan
Public Affairs
Mary Dicky Barkley, Co-chair
Ken Dill, Co-chair

BIOPHYSICAL JOURNAL
Editor
Robert Callender

9650 Rockville Pike, Bethesda, Maryland 20814-3998

Phone: (301) 634-7114 **Fax:** (301) 634-7133
E-mail: society@biophysics.org **Web:** http://www.biophysics.org/

Biophysical Society

FOR IMMEDIATE RELEASE
January 11, 2005

Contact: Ellen R. Weiss
(301) 634-7176
eweiss@biophysics.org

International Travel Awards Announced

Bethesda, MD— The Biophysical Society has announced the winners of its international travel grants to attend the 49th annual meeting of the society in Long Beach, CA, February 12-16, 2005. 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.

2005 International Travel Grant Recipients:

Mahnaz Amini, Institute of Biochemistry and Biophysics, University of Tehran, Tehran, Iran, "Biophysics of molecular interaction involved in the translocation of the Cephalexin antibiotics through OmpF porin channels"

Svetlana Baoukina, Moscow Institute for Steel and Alloys, Moscow, Russian Federation, "Equation of state of lipid membrane: Self-consisten Analytical Derivation from Microscopic Model."

Piotr Bednarczyk, Agricultural University SGGW, Department of Biophysics, Warsaw, Poland, “Mg2+ and ATP regulation of mitochondrial ATP-regulated potassium channel from bovine heart.”

Daniel Fraiman Borrazas, Universidad de Buenos Aires, Buenos Aires, Argentina, “Self-regulated Processes: Applications to the IP3 receptor”

Cecilia Bouzat, Instituto de Investigaciones Bioquimicas, Bahia Blanca, Argentina, “Single Channel Kinetic Analysis of Chimeric alpha7-5HT3 Receptors”

Sebastian Brauchi, Centro de Estudios Cientificos, Valdivia, Chile, “Biophysical Characterization of the Cold Receptor CMR1”

Cesar Cardenas, ICBM, Facultad de Medicina, Universidad de Chile, Santiago, Chile, “Nuclear IP3 receptor isoforms regulate local Ca2+ transients and modulate CREB phosphorylation.”

Luis Chaves, USP - FMRP, Ribeirão Preto, Brazil, “Chloride currents in mice Leydig cells”

Juliana Cortines, UFRJ, Rio de Janeiro, Brazil, “Understanding the pH role during HIV-1 capsid assembly”

Tatiana Demina, Moscow State University, Moscow, Russian Federation, "Relationship Between Structure of Amphiphilic Copolymers and their ability to cause Chemosensitization of Multi-Drug Resistant Tumor Cells"

Tatiana Hushcha, Institute of Bioorganic Chemistry and Petrochemistry, NAS Ukraine, Kiev, Ukraine, "Ultrasonic characterization of protein dynamics. Ligand induced relaxation changes of serum albumin"

Allen Kaasik, University of Tartu, Tartu, Estonia, "Loss of Mitochondrial Membrane Potential Is Associated with Increase in Mitochondrial Volume. Physiolgical Role in Neurons."

Svetlana Khaymina, Institute of Cytology RAS, St.Petersburg, Russian Federation, "Changes in Axial Tilting of Cross-Bridges (Myosin Heads and Actin Monomers) at Intermediates of ATPase Cycle in the Absence or Presence of Caldesmon"

Sundara Narayanan, Madurai Kamaraj University, Madurai, India, "Structure, Function and Folding Studies on Enterobacterial osmoporin, OmpC, from S.typhi and E.coli: Insights from X-ray Crystallography, Liposome swelling Assay and Membrane Insertion into Lipid Vesicles."

Olga Ostrumova, Institute of Cytology RAS, St.-Petersburg, Russian Federation, “Kinetic Parameters of Cyclic Lipodepsipeptide Ion Channels in Planar Lipid Bilayers”

Lia Pietrasanta, Centro de Microscopías Avanzadas, FCEyN-UBA, Buenos Aires, Argentina, “Retrograde transport of Nerve Growth Factor (NGF) at the single molecule level”

Yen Sun, National Taiwan University, Taipei, Taiwan Republic of China, "An Investigation of Thermally Induced Collagen Structural Transitions by Second Harmonic Generation Microscopy"

Yegor Tourleigh, Moscow Lomonosov State University, Moscow, Russian Federation, “Steered molecular dynamics as “computer viscosimeter”

Rosen Ugrinov, Institute of Solid State Physics, Bulgarian Academy of Sciences, Sofia, Bulgaria, “An Apparent Voltage-Dependent Resistance in Outer Hair Cells (OHCs) of The Cochlea”

Gregor Zupancic, University of Ljubljana, Department of Biology, Ljubljana, Slovenia, “Dynamics of respiratory chain responses to rapid PO2 steps in vivo”

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 members are located throughout the U.S. and the world, where they teach and conduct research in colleges, universities, laboratories, government agencies, and industry.