

CONFERENCE PROGRAM

Thursday, November 10

10 ⁰⁰ – 14 ⁰⁰	Registration
14 ⁰⁰ – 14 ²⁰	Opening Ceremony
14 ²⁰ – 15 ¹⁰	Keynote Lecture Ioan Kosztin <i>Multiscale Modeling of the Biomechanics of Multicellular Systems</i>
15 ¹⁰ – 17 ¹⁰	Oral Presentations Chairman: Tudor Savopol
15 ¹⁰ – 15 ³⁰	<u>Alina Asandei</u> , Loredana Mereuță, Tudor Luchian <i>Single Molecule Investigations of the pH-dependent Interaction Between Ampicillin and a Hybrid α-Haemolysin Protein Pore</i>
15 ³⁰ – 15 ⁵⁰	Mihaela Bacalum, Bogdan Zorilă, Elena Angheluță, <u>Mihai Radu</u> <i>Laurdan Fluorescence Spectroscopy as a Tool to Investigate Lipid Bilayer Dynamics</i>
15 ⁵⁰ – 16 ¹⁰	Veronica Beswick, <u>Adriana Isvoran</u> , Pierre Nedellec, Alain Sanson, Nadege Jamin <i>Analysis of Interactions between the Crac Motif of Caveolin-1 And Lipids by Molecular Dynamics Simulation</i>
16 ¹⁰ – 16 ³⁰	<u>Luiza Budeanu</u> , Daniela Pricop, Ana Cazacu, Viorel Melnig <i>The Confirmation of Silver Nanoparticles Dissolution by UV-VIS Spectroscopy Correlated with MIE Simulation</i>
16 ³⁰ – 16 ⁵⁰	<u>Ana Cazacu</u> , Daniela Pricop, Luiza Budeanu, Viorel Melnig <i>Gold-Chitosan Functionalized Nanoparticles Stability Study at Room Temperature</i>
16 ⁵⁰ – 17 ¹⁰	<u>Dan Chicea</u> , Bogdan Neamțu , Radu Chicea, Liana Maria Chicea

	<i>Using AFM for Imaging RBCS And HSA</i>
17 ¹⁰ – 17 ³⁰	Coffee Break
17 ³⁰ – 18 ³⁰	Poster Session (odd poster numbers)
19 ³⁰ – 22 ⁰⁰	Cocktail

Friday, November 11

9 ⁰⁰ – 9 ⁵⁰	EBSA Lecture Peter Zavodszky <i>The effect of preferential hydration on the stability of proteins in solution. Theory and practice.</i>
9 ⁵⁰ – 10 ¹⁰	Coffee Break
10 ¹⁰ – 11 ³⁰	Oral Presentations Chairman: Ioan Turcu
10 ¹⁰ – 10 ³⁰	<u>Artur Cristea</u> , Adrian Neagu, Victor Sofonea <i>Lattice Boltzmann Simulations of the Time Evolution of Living Multicellular Systems</i>
10 ³⁰ – 10 ⁵⁰	<u>Eugenia Kovacs</u> , Tudor Savopol, Mihaela Moisescu, Maria Iordache, C. Istrate, L. Rădăcină <i>Biophysical Study of the Altered Membrane Organization Induced by Gentamicin</i>
10 ⁵⁰ – 11 ¹⁰	<u>Francoise Marga</u> , Karoly Jakab, Chirag Khatiwala, Benjamin Shepherd, Scott Dorfman, Bradley Hubbard, Stephen Colbert and Gabor Forgacs <i>Organ Printing: A Self-Assembly-Based Tissue Engineering Paradigm</i>
11 ¹⁰ – 11 ³⁰	<u>Loredana Mereuță</u> , Alina Asandei, Tudor Luchian <i>A Signal from the Other Side: The Influence of Membrane Electrostatic Asymmetry on Alamethicin Kinetic and Transport Features</i>
11 ³⁰ – 12 ³⁰	Poster Session (even poster numbers)

12 ³⁰ – 14 ⁰⁰	Lunch
14 ⁰⁰ – 15 ⁴⁰	Oral Presentations Chairman: Adriana Isvoran
14 ⁰⁰ – 14 ²⁰	<u>Maria Mernea</u> , Octavian Călborean, Dan Mihăilescu, Dana Cucu <i>Cd²⁺ Interaction with the Epithelial Na⁺ Channel Investigated by Electrophysiological and Molecular Modeling Methods</i>
14 ²⁰ – 14 ⁴⁰	Maria Mernea, Octavian Călborean, Oana Sandu, Traian Dascălu, <u>Dan Mihăilescu</u> <i>Bovine Serum Albumin Structure and Flexibility Investigated by THz Spectroscopy and Molecular Modeling</i>
14 ⁴⁰ – 15 ⁰⁰	<u>Adina L. Milac</u> , Andriy Anishkin, H. Robert Guy, Andrei-J. Petrescu <i>Improving Accuracy of Ion Channels Computational Models Using Symmetry Constraints</i>
15 ⁰⁰ – 15 ²⁰	<u>Mihaela Georgeta Moiescu</u> , Mihai Radu, Maria-Minodora Iordache, Iurie Roateși, Eugenia Kovacs, Tudor Savopol <i>Dielectrophoresis – Tool to Evaluate Electric Parameters of Electroporated Cells</i>
15 ²⁰ – 15 ⁴⁰	<u>Marcela Elisabeta Barbina Pătrașcu</u> , Gabriel Baranga, Adrian Cojocariu, Nicoleta Maria Badea, Laura Țugulea <i>Nanobiomaterials Based on Carbon Nanotubes and Artificial Lipid Bilayers</i>
15 ⁴⁰ – 16 ⁰⁰	Coffee Break
16 ⁰⁰ – 18 ⁰⁰	Special Topic Symposium “Solute effects on the structure and function of proteins and peptides“
	<u>Sarolta Bankó</u> , Zsuzsanna Kucsma, Csaba Bagyinka <i>The Autocatalytic Reaction of Hynsl Hydrogenase Enzyme from Thiocapsa Roseopersicina</i>
	Petro Khoroshyy, András Dér, <u>László Zimányi</u> <i>Hofmeister Salts and the Photocycle Kinetics of Photoactive Yellow Protein</i>

	Monica Neagu, György Váró, Géza Groma, <u>Adrian Neagu</u> , László Zimányi and András Dér <i>Cosolute Effects on the Bacteriorhodopsin Photocycle</i>
18 ⁰⁰ – 19 ³⁰	General Assembly of SRBPA
20 ⁰⁰ – 23 ⁰⁰	Gala dinner

Saturday, November 12

9 ⁰⁰ – 12 ⁰⁰	Oral Presentations Chairman: Julianna Szakacs
9 ⁰⁰ – 9 ²⁰	<u>Ileana Petcu</u> , Cosmin Mustăciosu, Sorin Bercea, Diana Savu <i>Bystander Effects Induced by Ionising Radiation and Bleomycin in Fibroblast Cell Lines</i>
9 ²⁰ – 9 ⁴⁰	<u>Simona Cîntă Pînzaru</u> , Alexandra Falamas, Cristina Dehelean, Camelia Lehene <i>In Vivo Raman Depth Profiling for Skin Pathology</i>
9 ⁴⁰ – 10 ⁰⁰	Alin Gabriel Popescu, Ecaterina Mărieș, <u>Dumitru Popescu</u> <i>The Programming of the Pulsatory Liposome Working</i>
10 ⁰⁰ – 10 ²⁰	<u>Daniela Pricop</u> , Ana Cazacu, Luiza Budeanu, Laura Ursu, Manuela Pintilie, Liliana Tarțau, Viorel Melnig <i>Optical Activity Enhancement of Gold Nanoparticles Functionalized with Chitosan via Visible Irradiation Treatment</i>
10 ²⁰ – 10 ⁴⁰	Coffee Break
10 ⁴⁰ – 11 ⁰⁰	<u>Beatrice Mihaela Radu</u> , Diana Rotaru, Adina Iancu, Dorel Lucian Radu, Mihai Radu <i>Biophysical Approach of the Diabetic Neuropathy in Peripheral Sensory Neurons</i>
11 ⁰⁰ – 11 ²⁰	<u>Tudor Savopol</u> , Iurie Roateși, Eugenia Kovacs <i>Calibration of Optical Trapping Force Using Dielectrophoresis of Functionalized</i>

	<i>Silica Beads</i>
11²⁰ – 11⁴⁰	<u>Ioan Turcu</u> , Mihaela Mic, Izabell Crăciunescu, Crina Socaci, Rodica Turcu <i>Noncovalent Intermolecular Interactions Characterized by Nanocalorimetric Techniques</i>
11⁴⁰ – 12⁰⁰	<u>Laura Țugulea</u> , Marcela Elisabeta Barbița Pătrașcu, Tudor Luca Mitran, Gabriel Baranga, Cătălin Geantă <i>Biophysical Studies on Nanobiocomposites Based on Lipids and Chlorophyll</i>
12⁰⁰ – 12³⁰	Closing ceremony
12³⁰ – 14⁰⁰	Lunch
14⁰⁰ – 22⁰⁰	Touristic Program