

# CONFERENCE PROGRAMME

June 2<sup>nd</sup> 2016

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8.00 – 9.00	<b>Registration</b>
9.00 – 9.15	<b>Opening ceremony</b>
9.15 – 9.30	<b>Prof. Dr. Vasile V. Morariu – <i>In memoriam</i></b>

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**Chair**            ***Ioan Turcu***

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9.30 – 10.00	<b>Mihai Ciubotaru</b> , “Horia Hulubei” National Institute of Nuclear Physics and Engineering, Bucharest, Romania
<i>T5–01</i>	<i>Investigation of Somatic Recombination by "Single Molecule" Techniques</i>
10.00 – 10.30	<b>Adrian Neagu</b> , “Victor Babeş” University of Medicine and Pharmacy, Timișoara, Romania
<i>T5–02</i>	<i>Physical Methods of Body Composition Analysis – A Comparative Study</i>

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10.30 – 11.00            **Coffee Break**

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**Chair**            ***Adrian Neagu***

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11.00 – 11.30	<b>Eugenia Kovacs</b> , “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania
<i>T2–01</i>	<i>Oxygen Species Generation in OK Cells Treated with Aminoglycosides</i>
11.30 – 12.00	<b>Augustin Moț</b> , “Babeş-Bolyai” University, Cluj-Napoca, Romania
<i>T4–02</i>	<i>Spectroscopic Characterization of Nonsymbiotic Plant Hemoglobins Using UV-Vis, Raman and EPR Techniques</i>
12.00 – 12.30	<b>Mihaela Moiescu</b> , “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania
<i>T2–02</i>	<i>Insights on the Membrane Biophysical Parameters Changes of Cells Chemically Permeabilized</i>

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12.30 – 14.30            **Lunch**

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**Chair**            ***Eugenia Kovacs***

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14.30 – 15.00	<b>Nicolae Leopold</b> , “Babeş-Bolyai” University, Cluj-Napoca, Romania
<i>T4–01</i>	<i>Raman Imaging of Dental Follicle Mesenchymal Stem Cells</i>
15.00 – 15.30	<b>Aurelia Apetrei</b> , “Alexandru Ioan Cuza” University, Iași, Romania
<i>T3–02</i>	<i>Assessing Antimicrobial Peptides Interaction with Gram-Negative Bacterial Cells Using a Protein Nanopore Sensor</i>

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15.30 – 16.00	<b>Coffee Break</b>
<i>Chair</i>	<i>Dan Mihăilescu</i>
16.00 – 16.30	<b>Bogdan Amuzescu</b> , University of Bucharest, Bucharest, Romania
<i>T5–O3</i>	<i>Cardiac Safety Drug Testing via Automated Patch-Clamp Using hiPSC-Derived Cardiomyocytes</i>
16.30 – 17.00	<b>Alexandra Fălămaș</b> , National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania
<i>T4–O4</i>	<i>Raman Spectroscopy Applied for the Investigation of Biological Molecules</i>
17.00 – 17.30	<b>Airini Răzvan</b> , University of Bucharest, Bucharest, Romania
<i>T4–O3</i>	<i>Investigating the Glycation of Bovine Serum Albumin by Terahertz Spectroscopy</i>
17.30 – 18.00	<b>Attila Bende</b> , National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania
<i>T1–O4</i>	<i>Modeling the Charge Carriers Conductibility in One-Dimensional Infinite Long DNA Polymer Chains</i>
18.00 – 19.30	<b>Poster Session</b>
19.30	<b>Cocktail</b>

**June 3<sup>rd</sup> 2016**

<i>Chair</i>	<i>Mihai Ciubotaru</i>
9.00 – 9.30	<b>Ioan Kosztin</b> , University of Missouri – Columbia, Columbia, MO, U.S.A.
<i>T1–O1</i>	<i>Anomalous Diffusion of Water Molecules in Hydrated Phospholipid Bilayers</i>
9.30 – 10.00	<b>Aurel Popescu</b> , University of Bucharest, Bucharest, Romania
<i>T6–O1</i>	<i>Single Molecule Biophysics: A Promising Technique in Biophysics</i>
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10.00 – 10.30	<b>Coffee Break</b>
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<i>Chair</i>	<i>Ioan Kosztin</i>
10.30 – 11.00	<b>Mihaela Bacalum</b> , “Horia Hulubei” National Institute of Nuclear Physics and Engineering, Bucharest, Romania
<i>T2–O3</i>	<i>A New BODIPY Probe for Lipid Membranes</i>
11.00 – 11.30	<b>Octavian Călborean</b> , University of Bucharest, Bucharest, Romania
<i>T1–O3</i>	<i>Anti-HIV Inhibitors Interactions with Lipid Bilayers by Steered Molecular Dynamics Simulations</i>
11.30 – 12.00	<b>Adriana Isvoran</b> , West University of Timișoara, Timișoara, Romania
<i>T1–O2</i>	<i>Computational Assessment of Xenobiotics Interactions with Human Cytochromes CYP2C8, CYP2C9 and CYP2C19</i>
12.00 – 12.30	<b>Livia Petrescu</b> , University of Bucharest, Bucharest, Romania
<i>T5–O4</i>	<i>Multifrequency Skin Conductance Recording</i>
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12.30 – 14.30	<b>Lunch</b>
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14.30 – 16.00	<b>SRBPA General Assembly</b>
16.00 – 16.30	<b>Coffee Break</b>
16.30 – 18.00	<b>Poster Session</b>
19.30	<b>Conference Dinner</b>

**June 4<sup>th</sup> 2016**

<i>Chair</i>	<i>Lorant Janosi</i>
9.00 – 9.30	<b>Mihai Lucaciu</b> , “Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca, Romania
<i>T3–O1</i>	<i>Hybrid Nanostructures with Potential Biomedical Applications: Synthesis and Characterization</i>
9.30 – 10.00	<b>Tudor Savopol</b> , “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania
<i>T6–O2</i>	<i>Evaluation of Electrical Parameters of Electroporated Cells by Using the Electrooptical Trap</i>
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10.00 – 10.30	<b>Coffee Break</b>
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<i>Chair</i>	<i>Tudor Savopol</i>
10.30 – 11.00	<b>Violeta Călin</b> , “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania
<i>T6–O3</i>	<i>Characterisation of Adherent Cells Exposed to Electric Field Pulses Using Holographic Phase Microscopy</i>
11.00 – 11.30	<b>Luiza Buimaga-Iarinca</b> , National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania
<i>T2–O4</i>	<i>Statistical Analysis of Red Blood Cells Membrane Flickering</i>
11.30 – 12.00	<b>Luminița Miclea</b> , “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania
<i>T3–O3</i>	<i>Real-Time Impedance-Based Study of Cellular Proliferation in the Presence of Mesoporous Inorganic Nanoparticles</i>
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11.30 – 12.00	<b>Closing Ceremony</b>
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12.00 – 14.00	<b>Lunch</b>
14.00 – 21.00	<b>Excursion</b>