

**WORKSHOP EXPLORATORIU**  
**Biodinamica si domeniile aferente**

**PROGRAM PRELIMINAR**

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***Miercuri, 17 Septembrie 2008***

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9.30-10.00	Opening
10.00-10.30	Andrei Ruckenstein Towards an understanding of single gene transcription: molecular motors without Maxwell demons
10.30-11.00	Zoltan Neda Nontrivial synchronization of multimode stochastic oscillators
11.00-11.30	Paul Dan Cristea Nucleotide Genomic Signals: A Molecular Investigation Tool for Early Diagnosis and Detection of Pathogen Drug Resistance
11.30-12.00	Mihail Popescu Confinement Effects on Diffusiophoretic Self-Propellers
12.00-12.30	<b>Round Table</b>
12.30-14.00	Lunch
14.00-14.30	Corneliu Balan On the vortical structures of complex fluids in micro-channels
14.30-15.00	Tiberiu Cheche Analytical approach for strain and piezoelectric potential in conical self-assembled quantum dots
15.00-15.30	Mircea Rusu Aspects of pattern formation outside of equilibrium
15.30-16.00	Edmond Cretu Adaptive microsystems in medicine - from hearing aids to minimally invasive surgery
16.00-16.30	Vasile V.Morariu Autoregressive description of natural phenomena
16.30-17.00	Florin Munteanu Astro-bio-geodynamics –a transdisciplinary approach to the Lovelock's Gaia hypothesis
17.00-17.30	<b>Round table</b>

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9.30-10.00	Eugen Gheorghiu Biodynamics: ways and means to appraise the interaction between selected environmental stimuli and biosystems of various hierarchies
10.00-10.30	Silvana Andreescu Environmental and Clinical Applications of Advanced Nanomaterials
10.30-11.00	Vlad Brumfeld Antenele in fotosinteza - QUO VADIS?
11.00-11.30	Theodor Paunescu Rolul isoformelor subunitatii B a ATP-azei H <sup>+</sup> in secretia renala de protoni
11.30-12.30	<b>Round Table</b>
12.30-14.00	Lunch

14.00-14.30	Dumitru Popescu Teoria lipozomului pulsatoriu
14.30-15.00	Simion Astilean Plasmonics-based novel nano-probes and nano-tools for biological and medical investigation
15.00-15.30	Grigore Damian Aplicatii ale spectroscopiei rezonanta electronica de spin (RES) in Medicina si Biofizica
15.30-16.00	Ralf Neuhror Delayed Luminescence of Dry Seeds – Known Issues and Perspectives
16.00-16.30	Irina Carpusca EMIL (European Molecular Imaging Laboratories) Network of Excellence: experience of a collaborative European Project
16.30-17.30	<b>Round Table</b>

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