

## "New Opportunities for Interdisciplinary Research in BIO-NANO-SCIENCE"- Asociatia "JSPS Alumni"

Locul desfasurarii: Institutul de Biologie Bucuresti

Organizator: Asociatia JSPS Alumni - Romania

Asociatia "JSPS Alumni" din Romania in parteneriat cu Institutul de Biologie Bucuresti din cadrul Academiei Romane va invita la cea de-a doua editie a Simpozionului Stiintific "New Opportunities for Interdisciplinary Research in BIO-NANO-SCIENCE" Asociatia JSPS Alumni a fost infiintata in 2011 de catre fosti participanti din cadrul burselor si cursurilor JSPS ce au dorit sa promoveze in Romania programele JSPS si sa stranga intr-un cadru organizat beneficiarii romani de burse de cercetare acordate de JSPS. Definitoriu pentru activitatea asociatiei "JSPS Alumni Romania" sunt telurile sale: -sprijinirea cooperarii stiintifice si culturale romano- japoneze -promovarea programelor organizate de JSPS in comunitatea stiintifica si academica din Romania, informarea despre schimburile culturale si programele de cercetare -incurajarea si inlesnirea promovarii cercetarilor stiintifice si cooperarea cu organizatii similare din Romania si din alte tari, a schimbului de cunostinte in management si domenii de cercetare comune. Invitati speciali Profesor Toru MAEKAWA Bio - Nano Electronics Research Centre, Toyo University, Japan, <http://bionano.toyo.ac.jp/indexpage.html> Secretarul I si seful Sectiei Economice Domnul Shin OGAWA Ambasada Japoniei la Bucuresti Vor sustine prezentari in cadrul simpozionului : Prof. dr. Eugen Gheorghiu, Centrul International de Biodinamica Dr. Gh. Aldica and Dr. Petre Badica, Institutul National de Fizica Materialelor Prof. dr. Ioan Ardelean, Institutul de Biologie Bucuresti, Academia Romana Conf. dr. Marilena Ferbinteanu-Cimpoesu, Universitatea Bucuresti Dr. Fanica Cimpoesu, Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane Dr. Madalin Enache, Institutul de Biologie Bucuresti, Academia Romana Conf.dr. Floriana D. Stoian, Universitatea „Politehnica” din Timisoara Pentu alte detalii: Madalin Enache: [madalin.enache@ibiol.ro](mailto:madalin.enache@ibiol.ro), tel: + 40 722 578 997 Floriana Daniela Stoian: [fdstoian@yahoo.com](mailto:fdstoian@yahoo.com) tel: +40 744597308 Adela Gabriela Mihai: [adela\\_mihai@fmi.unibuc.ro](mailto:adela_mihai@fmi.unibuc.ro) tel: + 40 723417714

**Confirmare pana la data:** 3 iunie 2013

**Participare:** Numai pe baza de invitatie

**Catalina Dinulescu**

[catalina.dinulescu@businessalliance.ro](mailto:catalina.dinulescu@businessalliance.ro)

0744473339

## Program

***" New Opportunities for Interdisciplinary Research in  
BIO-NANO-SCIENCE"***

### **Workshop**

**June 3rd, 2013, 15:00 – 18:00**

**Council Room, Institute of Biology Bucharest, Romanian Academy**

**Bucharest, Sector 6, 296 Splaiul Independentei**

**15:00- Opening & Welcome, on behalf of the organisers**

**15:20 &**

**“A virtual tour of the Institute of Biology Bucharest”**

**Mădălin ENACHE**

Institute of Biology Bucharest

President of the JSPS Alumni Association – Romania

### **Session I**

**Chair: Eugen GHEORGHIU**

International Centre of Biodynamics, Bucharest

**15:25-Toru MAEKAWA**

**16:10**

Bio-Nano Electronics Research Centre, Toyo University, Kawagoe Campus

(Japan) **“Creation of nano structures via self-organisation and self-assembly and their application to biomedical technology” - KEYNOTE LECTURE**

**16:10-Dan Batalu, Ana Stanciuc, Lucia Moldovan, Gheorghe Aldic? and Petre Badic?**  
**16:25**

National Institute of Materials Physics, Bucharest

**“Evaluation of biodegradable MgB<sub>2</sub> with Eu<sub>2</sub>O<sub>3</sub> additions for medical applications”**

**16:25-Ioan ARDELEAN**

**16:40**

Institute of Biology Bucharest, Romanian Academy, Bucharest

**“Cyanobacteria as metal nanoparticles producers and as test organisms for cytotoxicity assays”**

**Tea Break**

## **Session II**

**Chair: Adela MIHAI**

Faculty of Mathematics and Computer Science, University of Bucharest

**16:50-1Eugen Gheorghiu**

**7:05**

International Centre of Biodynamics, Bucharest

**” Electro-Plasmonics for analyzing dynamics of biosystems; theoretical and experimental aspects”**

**17:05-F?nic? Cimpoe?u**

**17:20**

“Ilie Murgulescu” Institute of Physical Chemistry of the Romanian Academy, Bucharest

**“Electronic structure of molecules and materials. Applications and methodological advances”**

**17:20-1Marilena FERBIN?EANU**

**7:35**

Faculty of Chemistry, University of Bucharest

**“Molecular Magnetism: Playground for Concepts, Background for Applications”**

**17:35-1Sorin HOLOTESCU, Floriana D. STOIAN**

**7:50**

Research Center for Engineering of Systems with Complex Fluids, “Politehnica” University of Timisoara, Timisoara

# **The application of informational theory in particuology**

**17:50-1**

**CONCLUDING REMARKS**

**8:00**

**Locul desfasurarii:**

Institutul de Biologie Bucuresti 269