

Smart Diaspora 2023

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10 - 13 Aprilie 2023,
Timișoara

Eveniment aflat sub înaltul patronaj al
Președintelui României



Program Workshop Transboundary chemistry at the forefront of molecular sciences

Coordonatori Workshop

Dr. Daniel P. Funeriu
Dr. Dan Pantoș, University of Bath
Dr. Niculina D. Hădade, Babeș-Bolyai University of Cluj-Napoca
Dr. Mihaela Matache, University of Bucharest

Reprezentant ATU

Dr. Vlad Chiriac, West University of Timișoara

Măști, 11 Aprilie 2023

9.00 - 11.00	Sesiunea 1 (UVT - Aula Magna) Prof. Jean-Marie Lehn, University of Strasbourg, France Ceremony – Doctor Honoris Causa Steps towards Complex Matter and Life: Chemistry!
11.00 - 11.45	Pauză de cafea
11.45 - 13.15	Sesiunea 2 (UVT - Sala A11) Prof. Nicolas Giuseppone, University of Strasbourg, France Making molecular motors that work on all scales Prof. Adrian Șalic, Harvard Medical School, USA Molecular mechanisms of cell-cell communication
13.15 - 14.15	Prânz
14.15 - 16.00	Sesiunea 3 (UVT - Sala A11) Prof. Dan Pantoș, University of Bath, UK Chirality and Structural Divergence in Interlocked Molecules Dr. Augustin Mădălan, University of Bucharest, Romania Imino and amino podands as molecular recognition devices and crystal engineering tools Dr. Catalin Anghel, Babeș-Bolyai University of Cluj-Napoca, Romania Hydrogen-bond modulated luminescence of 2,5-disubstituted-1,3,4-oxadiazoles Dr. Zoltan Dudaș, Eötvös Loránd Research Network, MTA Centre of Excellence, Hungary Neutrons for materials characterization, possibilities at Budapest Neutron Centre

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16.00 - 16.30	Pauză de cafea
16.30 - 18.00	Sesiunea 4 (UVT - Sala A11) Prof. Ion Grosu, Babeș-Bolyai University of Cluj-Napoca, Romanian Academy, Romania An exciting journey from stereochemistry to host-molecules, self-assembled supramolecular architectures and organic molecules with smart applications Dr. Simona Nica, "Costin D. Nenitescu" Institute of Organic and Supramolecular Chemistry, Romania Design, synthesis and structural characterization of azulene-based supramolecular architectures Bogdan Enache, University of Bucharest, Romania Exploring novel azoheteroarene scaffolds towards more versatile photoswitches
18.00 - 19.30	Expoziție / vizită / program liber
20.00 -	Cină și eveniment de networking în cadrul Workshop-ului (<i>Casa del Sole, Strada Romulus 12, Timișoara 300238</i>)

Miercuri, 12 Aprilie 2023

9.00 - 10.45	Sesiunea 5 (UVT - Sala A11) Prof. Jean-Marie Lehn, University of Strasbourg, France From Supramolecular towards Adaptive Chemistry Prof. Ivan Huc, Ludwig-Maximilians-University München, Germany Mastering molecular shape
10.45 - 11.15	Pauză de cafea
11.15 - 13.15	Sesiunea 6 (UVT - Sala A11) Prof. Marius Andruh, Romanian Academy, University of Bucharest, Romania Meta-Radical Complexes in Molecular Magnetism Prof. Narcis Avarvari, University of Angers, France CPL, CISS and eMChA with helicenes and tetrathiafulvalenes based materials Prof. Horia Iovu, Polytechnica University of Bucharest, Romania Advanced Macromolecular Structures for Bioengineering Applications
13.15 - 14.15	Prânz
14.15 - 16.15	Sesiunea 7 (UVT - Sala A11) Prof. Floriana Tuna, The University of Manchester, UK Using EPR to guide the engineering of molecular spin qubits Prof. Vlad Cojocaru, Utrecht University, The Netherlands Protein-DNA interactions under the computational nanoscop Dr. Paul Vasos, University of Bucharest, ELI-NP, Romania Biomolecular transformations and extended magnetic resonance spectroscopy timescales: biological interactions, radiomics and oxidation kinetics in the context of FLASH radiation

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16.15 - 16.45	Pauză de cafea
16.45 - 18.45	Sesiunea 8 (UVT - Sala A11) Prof. Cristian Silvestru, Babeș-Bolyai University of Cluj-Napoca, Romanian Academy, Romania Hypercoordinated organopnictogen(III) compounds containing Pn-E (Pn = Sb, Bi; E = O, S, Se) - an overview of Cluj organometallic group contributions - Dr. Laurean Ilieș, RIKEN Center for Sustainable Resource Science, Japan Development of catalytic systems for selective organic transformations Dr. Mihai Medeleanu, Polytechnic University of Timișoara, Romania Intelligent and active materials for packaged food quality monitoring Dr. Vasile Simulescu, West University of Timișoara, Romania Different analysis methods used to study organic-inorganic hybrids phosphorus containing, foam films stability and biopolymers degradation
19.30 -	Gala Dinner (KRAFT – Centrul Regional de Afaceri, Blvd. Eroilor de la Tisa nr. 22)

Joi, 13 Aprilie 2023

9.00 - 11.00	Sesiunea 9 (UVT - Sala A11) Prof. Gheorghe Duca, Moldavian Academy of Sciences, Republic of Moldova Chemistry in the context of transboundary research Prof. Ionel Mangalagiu, Alexandru Ioan Cuza University of Iasi, Romania Medicinal chemistry applications of azaheterocycles: results and challenges Dr. Ionuț Ledetși, West University of Timișoara, Romania Chemistry and pharmacy – how do they get along? Dr. Aurelia Vișa, Institute of Chemistry "Coriolan Drăgulescu", Timișoara, Romania Greener alternatives for phosphonate metal organic frameworks synthesis Dr. Vlad Chiriac, West University of Timișoara, Romania Conclusions of the exploratory workshop
11.00 - 11.30	Pauză de cafea
11.30 - 13.00	Sesiune transversală. Prezentarea concluziilor referitoare la viziunea și obiectivele de țară privind cercetarea, dezvoltarea și inovarea în România: concluzii, aspirații și direcții de acțiune (Aula Magna, UVT)
13.00 - 19.00	Masă românească (Cramele Recăș)