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Third International Symposium on Organic Chemistry EAST-NMR Satellite Meeting on NMR in Life Sciences

30 October - 02 November, 2010, Sofia, Bulgaria

<http://bg-conferences.org/organic2010/>

The satellite NMR session is organized by The Bulgarian NMR Centre (*BulNMR*), Institute of Organic Chemistry with Centre of Phytochemistry, Bulgarian Academy of Sciences, in the framework of the FP7 funded project “*EAST-NMR - Enhancing Access and Services to East European users towards an efficient and coordinated pan-European pool of NMR capacities to enable global collaborative research and boost technological advancements*”

The project aims to integrate researchers from NMR laboratories from the Eastern countries to the European Large Scale NMR Facilities, thus widening the existing state-of-the art NMR network across all member and candidate EU countries through provision of transnational access, extended networking and joint research activities between 20 research institutions. Five leading European large scale and four Central European NMR Centres will provide transnational access to their liquid and solid state instrumentation and expertise. Assistance from nine Eastern European NMR Centres and two industrial groups will additionally promote research in Life Sciences, with special care for young Eastern European scientists to impact pan-European potential for excellence in competitive sectors such as pharmaceuticals and biotechnology.

The numerous advantages offered to all scientists in the country and the region of the project *EAST-NMR* are presented in detail at <http://www.east-nmr.eu/>.

We hope that this satellite NMR session will open new opportunities for many scientists from Bulgaria and the region of South-East Europe, especially young researchers - for their successful participation in the transnational access programs of the European Large Scale NMR Facilities in the field of advanced applications of NMR spectroscopy in life sciences. The particular aim of the satellite NMR session is to increase the awareness of Bulgarian scientists in the field of life sciences for the benefits that bio-NMR can generate in their research. In addition, it will be a good opportunity to establish contacts and initiate collaborations between researchers from the NMR community and chemists, biologists and biochemists at the national, regional and European level.

The session will include lectures on NMR studies in bioscience:

NMR: a Flagship in Moving the Frontiers of Biological Sciences,
Ivano Bertini, CERM, Italy

NMR studies on structure and dynamics in gene regulation,
Rolf Boelens, Utrecht University, Netherlands

NMR aspects in the Drug Discovery Process,
Carla Marchioro, Aptuit, Italy

NMR insights into the conformational dynamics of native and engineered forms of Arkadia E3 Ubiquitin ligase C-terminal Domain,
Georgios Spyroulias, University of Patras, Greece

Use of hydroxy protons in structural analyses by NMR,
Somer Bekiroğlu, TÜBİTAK, Turkey

Protein-ligand interaction studies in the dynein light chain - myosin system”, Andrea Bodor, Eötvös University, Hungary

Presentation of the JGC in Sofia
Atanas Atanasov, Agrobiointsitut, Bulgaria

Acknowledgement: Participation in the FP7 project is facilitated by the financial support of the NSF for the purchase of Bruker Avance II+ 600 NMR spectrometer in the framework of the Program “Promotion of the Research Potential through Unique Scientific Equipment” – Project UNA-17/2005.