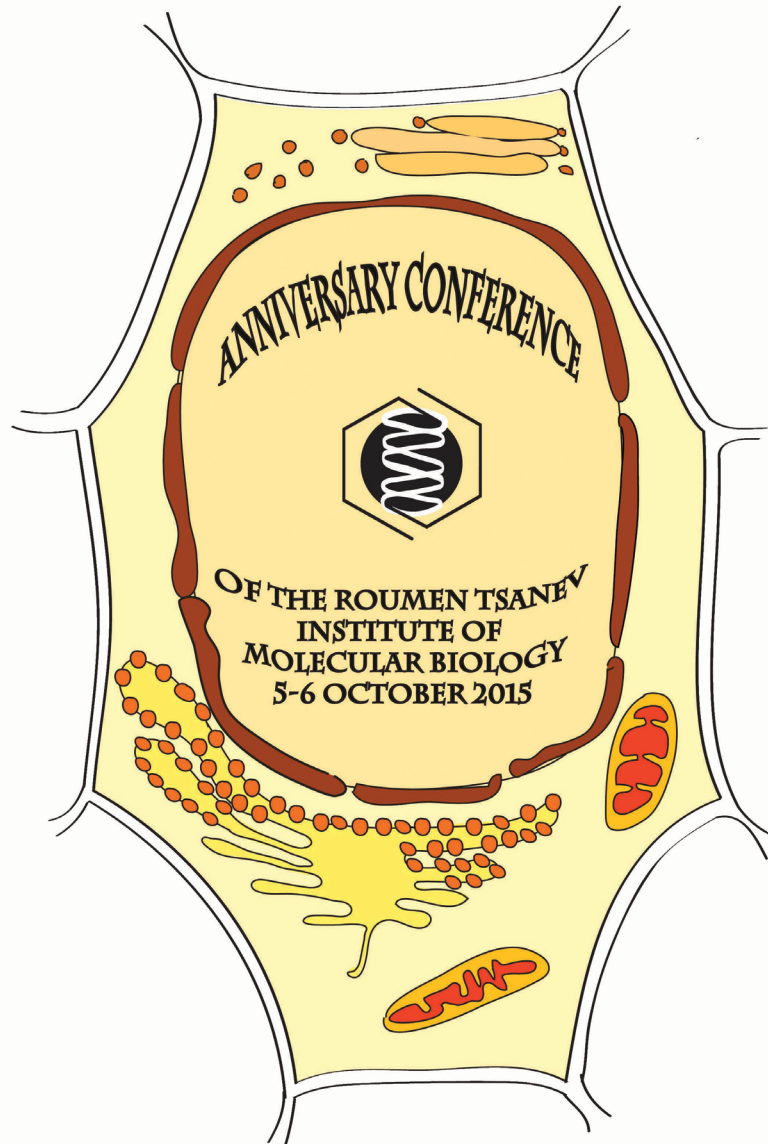


PROGRAMME



MONDAY OCTOBER 5, 2015

8:00 - 9:00	REGISTRATION		
9:00 - 10:30	OPENING CEREMONY		
	Opening Lectures (in Bulgarian)		
	Iva Ugrinova, Evgeny Golovinsky, Ivan Ivanov, Iliya Pashev, George Russev		
	Greeting address: Prof. Dr. Johann Peter Reithmaier, Institute of Nanostructure Technologies and Analytics, University of Kassel, Germany		
10:30 – 11:00	Coffee break		
	Session: EPIGENETICS AND GENOME INTEGRITY		
	Chairpersons: George Russev, Boyka Anachkova		
11:00 – 11:15	George Russev	IMB-BAS	Epigenetics and genome stability research at IMB.
11:15 - 11:30	Stoyno Stoynov	IMB-BAS	Kinetics of the recruitment of DNA repair proteins to the sites of DNA lesions.
11:30 – 11:45	Anastas Gospodinov	IMB-BAS	Mammalian INO80 in replication and the maintenance of genome stability.
11:45 – 12:00	Marina Nedelcheva – Veleva	IMB-BAS	Replication complex integrity – mechanisms for control the dynamics of DNA replication.
12:00 – 12:15	Milena Georgieva	IMB-BAS	Epigenetic significance of linker histones in ageing and stress resilience.
12:15 – 12:30	Miglana Koprinarova	IMB-BAS	Epigenetic effect of amino-modified polystyrene nanoparticles on human cells.
13:30 – 14:00	Poster session A		
	Session: MOLECULAR BIOLOGY OF THE CELL. BIOMEDICINE		
	Chairpersons: Philippe Bouvet, Iva Ugrinova		
14:00 – 14:30	Philippe Bouvet	ENS Lyon, France	Plenary lecture: Nucleolin is a key protein required for the transcription of genes involved in cell division and proliferation.
14:30 – 14:45	Shazie Yusein - Myashkova	IMB-BAS	The effect of HMGB1 protein on the repair of cisplatin damaged plasmid DNA in human lung cancer cell lines.

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14:45– 15:00	Ivan Kanev	University of Nebraska	A new approach to diseases and syndromes with DNA and chromosome etiology.
15:00 – 15:30		Antisel Ltd	High Content Imaging: New Texture and Machine Learning based image processing for Phenotypic assays
15:30-16:00	Coffee break/Poster session A		
16:00 – 16:30	Stephan Nonchev	University Grenoble Alps, France	Plenary lecture: The Hox genes family: Developmental control and evolutionary conservation.
16:30 – 16:45	Irina Tsaneva	University College London	Structure and function of RUVBL1 and RUVBL2 proteins in biomolecular machines.
16:45-17:00	Radka Kaneva	Medical University of Sofia	Next-generation sequencing in breast cancer tumors reveals recurrent somatic mutations in Bulgarian patients
17:00-17:15	Theodor Zamfirov	ELTA 90M Ltd	NGS tests of tumor samples for precision medicine.
19:00	Conference Cocktail		

TUESDAY OCTOBER 6, 2015

Session: BIOTECHNOLOGY			
Chairpersons: Ivan Ivanov, Roumyana Mironova			
9:00 – 9:30	Ivan Ivanov	IMB-BAS	Plenary lecture: Molecular Biology and Biotechnology
9:30 – 9:45	Dora V. Kaloyanova	Utrecht University	Does it matter how you enter? Lessons from a bacteria.
9:45 – 10:15	Hugues Lortat-Jacob	CNRS-CEA-UJF	Heparan sulfate: a complex glycosaminoglycan that “orchestrates” cytokine’s activities at the cell surface.
10:15 – 10:30	Milena Tileva	IMB-BAS	Expression, Purification and Characterisation of Human Interferon-Gamma Antagonists.
10:30 – 11:00	Coffee break/Poster session B		
Session: BIONANOTECHNOLOGY. BIOMATERIALS			
Chairpersons: J. P. Reithmaeier, Margarita Apostolova			

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11:00-11:30	Cyril Popov	University of Kassel, Germany	Plenary lecture: Ultrananocrystalline diamond films for bioapplications.
11:30-11:45	Alexandra Voss	University of Kassel, Germany	Diamond-based multielectrode arrays for the investigation of neurons.
11:45 – 12:00	Margarita D. Apostolova	IMB-BAS	Novel nanostructured materials for acceleration of osteointegration.
12:00-12:20	Andon Minkov	ACM2 Ltd.	Thermo Scientific - recent developments in proteomics and lipidomics. New limits of quantitation and protein characterization through masspectrometry.
Session: FROM ATOMIC STRUCTURE TO THE PRECLINICAL TRIALS			
Chairpersons: Stefan Nonchev, Evdokia Pasheva			
13:30-14:00	Martin Berger	DKFZ, Heidelberg	Plenary lecture: Evaluation of the mitotic spindle protein TPX2 as target for oncologic pharmacotherapy
14:00 – 14:15	Irena Georgieva	IBPhME-BAS	Effect of miltefosine on cytoskeleton organization and lipid metabolism in epithelial cancer cells.
14:15 – 14:30	Elena Lilkova	IICT-BAS	Influence of Heparin-like Oligosaccharides on hIFN-g – hIFNgR Binding.
14:30 – 14:45	Atanas Atanasov	Medical faculty, Trakia University,	Mechanism of action of a fraction isolated from Galega officinalis L., studied by flow cytometric assays with monoclonal antibodies
Session: MICROENVIRONMENT AND SIGNAL-TRANSDUCTION PATHWAYS IN TUMOROGENESIS			
Chairpersons: Martin Berger, Anastas Gospodinov			
14:45 – 15:15	Blagovesta Popova	Georg-August-Universität Göttingen	Plenary lecture: Humanized yeast: a tool to study Parkinson’s disease

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15:15 – 15:30	Tsvetan Gantchev	IMB-BAS	Cisplatin intra- and inter-strand cross-linked DNA conformation and interactions with hydrated electrons.
15:30 – 15:45	Ivelina Zhelezova	Faculty of Pharmacy, Medical University Sofia	Oncopharmacological study of curcumin loaded pH-sensitive hybrid lipid/block co-polymer nano-platforms in chemosensitive and cisplatin-resistant HL-60 cells
15:45 – 16:00	Vanya Bogoeva	IMB-BAS	New therapeutic approaches to study bladder cancer.
16:00 – 16:15	Pericles Akrivos	Aristotle University, Thessaloniki, Greece	Study of the structure and biological activity of triorganotin aminobenzoates.
16:15-16:30	Marek Zurawski	Nanotemper Ltd	Quantitative analysis of biomolecular interactions with Microscale Thermophoresis (MST)
16:30 – 17:00	Coffee break/Poster session B		
17:00 – 17:15	Lora Dyakova	INB-BAS	3d Metal complexes of Meloxicam decrease viability and proliferation of human glioblastoma multiforme and cervical carcinoma cells.
17:15 - 17:30		Carl Zeiss AG	
Session: SCIENCE AND BUSSINES			
Chairpersons: Pavlina Konstantinova, Marina Nedelcheva			
17:30 – 17:50	Harald Petry and Pavlina Konstantinova	uniQure	Establishing Gene Therapy in the clinic: Glybera and beyond.
17:50-18:10	Rosen Donev	Biomed Consult Ltd, Swansea, United Kingdom	Molecular psychiatry in improving life style and business productivity.
18:10-18:30	Closing ceremony		