

13:15	SP27	Sandra Šupraha Goretá (Zagreb, Croatia) HEPATITIS B VIRUS: MOLECULAR GENOTYPES AND S GENE MUTANTS AMONG END STAGE CHRONIC HEPATITIS B PATIENTS
		Plant Biochemistry
		<i>Chairs: Éva Kondorosi and Maja Ravnikar</i>
11:30	L26	Éva Kondorosi (Szeged, Hungary) EVOLUTION OF PLANT INNATE IMMUNITY EFFECTORS FOR SYMBIOSIS
11:55	L27	Maja Ravnikar (Ljubljana, Slovenia) PLANT VIRUSES: INTERACTION WITH PLANTS, DIVERSITY AND DIAGNOSTICS
12:20	SP28	Hrvoje Lepeduš (Osijek, Croatia) CHLOROPHYLLS CONTENT AND PHOTOCHEMISTRY OF THYLAKOID MEMBRANES IN TWO PEA CULTIVARS WITH DIFFERENT LEAF COLOURATION
12:35	SP29	Dániel Silhavy (Gödöllő, Hungary) HOW PLANTS KEEP THE BALANCE AMONG THREE TRANSLATION TERMINATION COUPLED EVENTS, TRANSLATION TERMINATION, READTHROUGH AND NONSENSE-MEDIATED mRNA DECAY?
12:50	SP30	Jasmina Rokov Plavec (Zagreb, Croatia) PLANT SERYL-tRNA SYNTHETASES: FIDELITY AND MACROMOLECULAR RECOGNITION
14:00	EXCURSION AND CONGRESS DINNER	

Plant Biochemistry

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Saturday, June 16, 2012

Systems Biology and Bioinformatics

Chairs: György Pósfai and Kristian Vlahoviček

09:00 L28 **Kristian Vlahoviček** (Zagreb, Croatia)
ENVIRONMENTAL SHAPING OF CODON USAGE, TRANSLATIONAL OPTIMISATION, FUNCTIONAL ADAPTATION AND HORIZONTAL GENE TRANSFER ACROSS MICROBIAL COMMUNITIES

09:25 L29 **Peter Csermely** (Budapest, Hungary)
KEY ROLE OF COMMUNITY-BRIDGING NODES IN NETWORKS

09:50 L30 **György Pósfai** (Szeged, Hungary)
STREAMLINED-GENOME, LOW-MUTATION-RATE *ESCHERICHIA COLI*: IMPROVED CHASSIS FOR MOLECULAR/SYNTHETIC BIOLOGY

10:15 SP31 **Zoltán Gáspári** (Budapest, Hungary)
STRUCTURAL PREFERENCES OF RANDOM *DE NOVO* PROTEINS

10:30 SP32 **Tamás Korcsmáros** (Budapest, Hungary)
OVERLAPS IN SIGNALING NETWORKS – SYSTEMS-LEVEL IDENTIFICATION OF CROSS-TALKS AND CRITICAL NODES IN SIGNALING PATHWAYS

Main Hall

10:45	SP33	Előd Méhes (Budapest, Hungary) COLLECTIVE MOTION OF CELLS MEDIATES SEGREGATION AND PATTERN FORMATION IN CO-CULTURES
		Metabolism
		<i>Chairs: László Virág and Balázs Sümegi</i>
09:00	L31	László Virág (Debrecen, Hungary) POLY(ADP-RIBOSE): A SIGNALING MOLECULE REGULATING “LIFE AND DEATH” IN DIFFERENTIATION
09:25	SP34	Anitta K. Sárvári (Debrecen, Hungary) ADIPOCYTE CELL DEATH AND CLEARANCE
09:40	SP35	Judit Tóth (Budapest, Hungary) THE Mg ION REGULATES NUCLEOTIDE HYDROLYSIS IN A NOVEL WAY IN dUTPase
09:55	SP36	Magdolna Szántó (Debrecen, Hungary) INTERACTIONS BETWEEN SIRT1 AND POLY(ADP-RIBOSE) POLYMERASES – NOVEL MODES OF METABOLIC REGULATION?
10:10	SP37	Andras Horvath (Budapest, Hungary) dUTPase IS ESSENTIAL FOR GENOME STABILITY AND IMAGINAL TISSUE DEVELOPMENT IN DROSOPHILA
10:25	SP38	Katalin Tóth (Budapest, Hungary) THE ROLE OF CYP3A ENZYMES IN CLONAZEPAM METABOLISM
11:00	Presentation of the Bio-Science Award 2012	
		<i>Chairs: László Fésüs and Beáta Vértessy</i>
	AP1	Roland Csépanyi-Kömi (Budapest, Hungary) ARHGAP25, A NOVEL RAC GTPASE-ACTIVATING PROTEIN, REGULATES PHAGOCYTOSIS IN HUMAN NEUTROPHILIC GRANULOCYTES
11:20	Poster Session III , exhibition and refreshment	
12:20	Lunch (on your own)	
		Genomics
		<i>Chairs: László Nagy and Simon Horvat</i>
13:30	L32	László Nagy (Debrecen, Hungary) GENOME-WIDE ANALYSES OF TRANSCRIPTION: THE LANDSCAPE OF RXR REGULATED TRANSCRIPTIONAL ACTIVITY IN MOUSE BONE MARROW DERIVED MACROPHAGES
13:55	L33	Simon Horvat (Ljubljana, Slovenia) IDENTIFICATION OF POSITIONAL CANDIDATES FOR OBESITY LOCI ON MOUSE CHR15 USING GENOMIC AND BIOINFORMATIC APPROACHES
14:20	SP39	Balint L. Balint (Debrecen, Hungary) HOW DEEP IS YOUR DEEP SEQUENCING? – A MATHEMATICAL APPROACH FOR THE CHARACTERIZATION OF SAMPLE BEHAVIOUR IN CHIP SEQUENCING
14:35	SP40	Richárd Bártfai (Nijmegen, Netherlands) HISTONE VARIANTS INDEXING THE PLASMODIUM FALCIPARUM EPIGENOME

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