

Program of Joint Congress SBD and SGD Otočec 2009





		20.09.2009
08:30 - 10:00	Registration (Šport Hotel)	
10:00 - 10:30	Opening of the meeting (Conference Hall Optimus)	
10:30 - 11:20	1:20 Opening lecture (Conference Hall Optimus)	
	Chair: Radovan Komel	
		ecimens and Plasma in Mouse Models of Human Cancers: Identification of Novel Alternative Splice
		ss of Biomarker Candidates
	Cell signalling and membranes (Conference Hall Optimus)	Host-pathogen interaction (Conference Hall III)
	Chairs: Ana Plemenitaš, Gregor Anderluh	Chairs: Marjanca Starčič Erjavec, Mojca Narat
	Johan Thevelein, University of Leuven, Belgium:	Jos van Putten, Utrecht University Postbus, The Netherlands:
	NOVEL PLASMA MEMBRANE NUTRIENT SENSORS IN YEAST	CAMPYLOBACTER: INVASION AND EVASION
	Gregor Anderluh, Biotechnical Faculty, University of Ljubljana, Slovenia:	Hans-Martin Seyfert, RIBFA Dummerstorf, Germany:
	HUMAN PERFORIN ACTIVITY ON LIPID MEMBRANES	REPROGRAMMING THE UDDER FROM FULL LACTATION TO DEFENCE
11:30 – 13:00	Mojca Benčina, National Institute of Chemistry, Ljubljana, Slovenia:	Metka Lenassi, Faculty of Medicine, University of Ljubljana, Slovenia:
	PH HOMEOSTASIS IN ASPERGILLUS: A NOVEL RECOMBINANT PH PROBE FOR IN VIVO PH	HIV PROTEIN NEF, SECRETED WITH EXOSOMES, CAUSES APOPTOSIS OF CD4+ T CELLS
	MEASUREMENTS	
	Irena Mlinarič-Raščan, Faculty of Pharmacy, University of Ljubljana, Slovenia:	Irena Oven, Biotechnical Faculty, University of Ljubljana, Slovenia:
	SIGNALING THROUGH THE PROSTAGLANDIN EP4 RECEPTOR INHIBITS LIPOPOLYSACCHARIDE	GENERATION, CHARACTERIZATION AND EPITOPE MAPPING OF THREE NEUTRALIZING AND
	INDUCED B-CELL PROLIFERATION	PROTECTIVE MONOCLONAL ANTIBODIES AGAINST INFLUENZA A H5N1 VIRUSES
	Mateja Manček Keber, National Institute of Chemistry, Ljubljana, Slovenia:	Živa Petkovšek, Biotechnical Faculty, University of Ljubljana, Slovenia:
	MICROVESICLES ACTIVATE TLR4 RECEPTOR AND CONTRIBUTE TO INFLAMMATORY PROCESSES IN	ESCHERICHIA COLI ISOLATES FROM SKIN AND SOFT TISSUE INFECTIONS AND THEIR VIRULENCE
12.00 11.20	CHRONIC INFLAMMATION	POTENTIAL POTENTIAL
13:00 – 14:30 13:15 – 13:45		unch 1 -Imaging Systems (Conference Hall III)
13:45 – 14:15		D Life Science (Conference Hall III)
13.43 – 14.13	Proteins: structure, function, regulation I. (Conference Hall Optimus)	Genetics of quantitative traits (Conference Hall III)
	Chairs: Dušan Turk, Kristina Djinović	Chair: Milena Kovač
	Chans. Busun Turk, Kristina Bjirlovic	Chair. When a Royal
	Robert Konrat, University of Vienna, Austria:	A. R. Sharifi, University of Goettingen, Germany:
	THE PROTEIN META-STRUCTURE - A NOVEL CONCEPT FOR PROTEIN INTERACTION INTERFERENCE	THE IMPACT OF LONG TERM SELECTION IN GROWTH RATE IN BROILER ON FUNCTIONAL TRAITS
	AS A NEW ROUTE TO DRUG DEVELOPMENT	
14:30 – 16:00	Giuseppe Zanotti, University of Padua, Italy:	Dušan Terčič, Biotechnical faculty, University of Ljubljana, Slovenia:
	STRUCTURAL AND FUNCTIONAL CHARACTERIZATION OF HELICOBACTER PYLORI PROTEINS	USE OF FSIL F3 CROSS TO DETECT QTL FOR GROWTH AND CARCASS TRAITS IN CHICKENS
	Miha Renko, Jožef Stefan Institute, Ljubljana, Slovenia:	Tina Flisar, Biotechnical faculty, University of Ljubljana, Slovenia:
	STRUCTURAL PROPERTIES OF MYCOCYPINS, A NEW FAMILY OF CYSTEINE PROTEASE INHIBITORS	EXPONENTIAL MODEL FOR ANALYSES OF DIVERGENT SELECTION EXPERIMENT IN CHICKEN
	Jerica Sabotič, Jožef Stefan Institute, Ljubljana, Slovenia:	Martina Planinc, Biotechnical faculty, University of Ljubljana, Slovenia:
	MYCOCYPINS, A FAMILY OF VERSATILE PROTEASE INHIBITORS UNIQUE TO BASIDIOMYCETES	ESTIMATION OF DISPERSION PARAMETERS FOR EXTERIOR TRAITS IN THE HAFLINGER HORSES
	Martina Bergant, University of Nova Gorica, Slovenia:	Zala Prevoršek, Biotechnical faculty, University of Ljubljana, Slovenia:
	MODIFICATION OF HPV MINOR CAPSID PROTEIN L2 BY SUMOYLATION	GENETIC DISSECTION OF OBESITY QTLS ON MOUSE CHROMOSOME 15 USING CONGENIC MAPPING
		AND BIOINFORMATICS APPROACHES
		Gregor Gorjanc, Biotechnical faculty, University of Ljubljana, Slovenia:
		FITTING PEDIGREE BASED MIXED MODELS IN BUGS SOFTWARE

Sunday, 20.09.2009 (continued)		
16:00 – 16:30	Coffee break	
16:30 – 18:00	Proteins: structure, function, regulation II. (Conference Hall Optimus) Chairs: Igor Križaj, Marjetka Podobnik Marjetka Podobnik, National Institute of Chemistry, Ljubljana, Slovenia: TOWARDS BETTER UNDERSTANDING OF THE ROLE OF THE PHOSPHODIESTERASE RV0805 IN MYCOBACTERIA: STRUCTURAL AND FUNCTIONAL STUDIES Sandhya S. Visweswariah, Indian Institute of Science Bangalore, India: AN EVOLUTIONARILY CONSERVED METALLOPHOSPHODIESTERASE: BACTERIA, FLIES AND THE HUMAN WAGR SYNDROME Jože Pungerčar, Jožef Stefan Institute, Ljubljana, Slovenia: NEUROTOXICITY OF SNAKE VENOM PHOSPHOLIPASES A2 IS MEDIATED BY THEIR INTERNALIZATION INTO MOTOR NERVE TERMINALS Tom Turk, Biotechnical faculty, University of Ljubljana, Slovenia: NEW TYPE OF PHOSPHOLIPASE A2 ISOLATED FROM THE SEA ANEMONE URTICINA CRASSICORNIS AND ITS PHYLOGENETIC CLASSIFICATION	Genome environment interactions (Conference Hall III) Chairs: Metka Filipič, David M. DeMarini David M. DeMarini, Research Triangle Park, NC, USA: EXPANDED SIMPLE TANDEM REPEAT (ESTR) GENE USED TO COMPARE SPONTANEOUS GERM-CELL MUTATION FREQUENCIES IN WILD-TYPE AND APOE-KNOCKOUT MICE Metka Filipič, Biotechnical Faculty, University of Ljubljana, Slovenia: SYNERGISTIC GENOTOXIC EFFECTS OF ENVIRONMENTAL POLLUTANTS: AN EXAMPLE OF ORGANOPHOSPOHOROUS PESTICIDES AND BENZO(A)PYRENE Alenka Franko, University Medical Centre Ljubljana, Slovenia: SUPEROXIDE DISMUTASE AND CATALASE GENETIC POLYMORPHISMS AND RISK OF ASBESTOSIS Mirjana Liović, Faculty of Medicine, University of Ljubljana, Slovenia: SEVERE KERATIN 5 AND 14 GENE MUTATIONS AND HYPO-OSMOTIC STRESS: CONTRIBUTION TO INCREASED RISK OF NON-MELANOMA SKIN CANCER IN EBS PATIENTS
	Kristina Sepčić, Biotechnical faculty, University of Ljubljana, Slovenia: OSTREOLYSIN, A NEW MARKER FOR CHOLESTEROL-RICH MEMBRANE DOMAINS	Aleš Berlec, Jožef Stefan Institute, Ljubljana, Slovenia: ENGINEERED LACTIC ACID BACTERIA CAPABLE OF BINDING IMMUNOGLOBULINS AND TNFα
18:15 – 20:00	· · · · · · · · · · · · · · · · · · ·	on (Otočec Castle Hotel)
20:00 – 22:00	Poster session	on I (Šport Hotel)





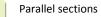


Golden Chromosome Award

	Monda	ay 21.09.2009	
	Functional genomic and systems biology I. – mammals (Conference Hall Optimus)		
	Chairs: Simon Horvat, Damjana Rozman		
8:30 - 10:00		MEDIATED GENE INTERACTION : A NOVEL SOURCE OF PHENOTYPIC VARIATION	
		DEL OF HUMAN HEPATOCYTE METABOLISM AS PLATFORM FOR COMPUTATIONAL ANALYSIS OF LIVER INCTIONS	
	Jernej Ule, MRC Laboratory of Molecular Biology, Cambridge, UK: THE E	VOLUTION OF FUNCTIONAL INTERACTIONS BETWEEN TDP-43 AND PRE-MRNAS	
	Emanuela Boštjančič, Faculty of Medicine, University of Ljubljana, Slovenia: MICRORNA	EXPRESSION PROFILING AND TARGET GENE PREDICTION IN HUMAN MYOCARDIAL INFARCTION	
	Damjana Kastelic, Faculty of Medicine, University of Ljubljana, Slovenia: CO-EVOLUTION EVI	DENCES PHYSICAL INTERACTION NETWORK CONSTRAINING CDR3 LOOP AND ANTIBODY SCAFFOLD	
10:00 - 10:30	Cor	ffee break	
	Functional genomics and systems biology II	plants and microorganisms (Conference Hall Optimus)	
	Chairs: Kristina	Gruden, Uros Petrovič	
10:30 – 12:00	Charlie Boone, University of Toronto, Canada: GLOBAL MA	PPING OF GENETIC AND CHEMICAL-GENETIC NETWORKS IN YEAST	
	, , , , , , , , , , , , , , , , , , , ,	INTEGRATIVE BIOLOGY APPROACH TO STUDY ROOT GROWTH AND DEVELOPMENT)	
		IE EXPRESSION RESPONSE TO PVYNTN IN THE FIRST 12 HOURS AFTER INOCULATION	
	Marko Petek, National Institute of Biology, Slovenia: FOSFOMYCIN PRIMARY EFFECTS ON STAPHYLOCOCCUS AUREUS TRANSCRIPTOME: TIME AND CONCENTRATION DEPENDENT MODULATION METABOLIC PATHWAYS		
	Barbara Gerič Stare, Agricultural Institute of Slovenia, Ljubljana, Slovenia: MOLECULAR VARIABILITY OF PLANT CELL WALL DEGRADING ENZYMES IN THE PLANT-PARASITIC NEMATODE GLOBODERA		
	ROSTOCHIENSIS		
12:00 - 13:30	Lunch II		
12.00 13.30			
12:15 – 12:45	Lunch talks – sponsors : Agile	nt Technologies (Conference Hall III)	
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12:15 - 12:45 12:45 - 13:15 13:30 - 15:00	Lunch talks – sponsors : Agile Lunch talks – sponsors : Apple Comparative genomics (Conference Hall Optimus) Chair: Dušan Kordiš, Jürgen Brosius Jürgen Brosius, University of Muenster, Germany: "RETRO-ACTIVE" GENOME SHAPING Dušan Kordiš, Jožef Stefan Institute, Ljubljana, Slovenia: GENOME EVOLUTION AFTER MASS EXTINCTIONS Peter Dovč, Biotechnical Faculty, University of Ljubljana, Slovenia: THE GENOME SEQUENCE OF TAURINE CATTLE SHED NEW LIGHT INTO LACTOPROTEIN GENE EXPRESSION Tanja Kunej, Biotechnical Faculty, University of Ljubljana, Slovenia: INTEGRATION OF MICRORNAS INTO GENE NETWORKS ASSOCIATED WITH CHRONIC LYMPHOCYTIC LEUKEMIA (CLL) Janez Kokošar, Jožef Stefan Institute, Ljubljana, Slovenia: COMPARATIVE GENOMICS OF MAMMALIAN RETROELEMENT – DERIVED NEOGENES	nt Technologies (Conference Hall III) lied Biosystems (Conference Hall III) Human genome analysis (Conference Hall III) Chairs: Damjan Glavač, Andres Metspalu Hiltrud Brauch, Dr. Margarete Fischer-Bosch IKP, Stuttgart, Germany: CYP2D6 POLYMORPHISMS AS A DETERMINANT OF TAMOXIFEN OUTCOME IN EARLY BREAST CANCER Andres Metspalu, Estonian Genome Research Foundation, Tartu, Estonia: GENETIC STRUCTURE OF EUROPEANS Ivo Barić, University Hospital Center, Zagreb, Croatia: TRANSMETHYLATION DISORDERS Vita Dolžan, Faculty of Medicine, University of Ljubljana, Slovenia: PHARMACOGENETICS — A STEP FURTHER TOWARDS PERSONALIZED DMARD TREATMENT OF RHEUMATOID ARTHRITIS Uroš Potočnik, University of Maribor, Faculty of Medicine, Slovenia: PHARMACOGENETICS OF INFLAMMATORY BOWEL DISEASES ffee break	

	Monday 21	1.09.2009 (continued)
	Jerala Roman, National Institute of Chemistry, Ljubljana, Slovenia: MOLECULAR MECHANISM OF ACTIVATION OF TOLL-LIKE RECEPTORS Fonović Marko, Jožef Stefan Institute, Ljubljana, Slovenia: ANALYTICAL METHODS FOR ACTIVITY BASED PROFILING OF PROTEASES	Oliver Hanotte, University of Nottingham, UK: ANCIENT TRADING AND HUMAN MIGRATION ACROSS THE ASIAN SEAS: A CHICKEN MITOCHONDRIAL DNA STUDY Mike Havey, University of Wisconsin, Madison, USA: CUCUMBER AS A MODEL PLANT FOR ORGANELLAR GENETICS
15:00 – 17:00	Nataša Kopitar-Jerala, Jožef Stefan Institute, Ljubljana, Slovenia: STEFIN B INTERACTS WITH HISTONES AND CATHEPSIN L IN THE NUCLEUS Urška Repnik, Jožef Stefan Institute, Ljubljana, Slovenia: CYSTEINE CATHEPSINS PROTEOLYTICALLY ACTIVATE ELR+ CHEMOKINES AND INACTIVATE ELR- CHEMOKINES AT NEUTRAL PH	Branka Javornik, Biotechnical Faculty, University of Ljubljana, Slovenia: STUDIES OF VERTICILLIUM WILT RESISTANCE IN HOP Urška Čepin, National Institute of Biology, Ljubljana, Slovenia: SATELLITE RNA OF GRAPEVINE FANLEAF VIRUS (GFLV): ITS OCCURENCE AND GENETIC VARIABILITY
	Irina Milisav, Faculty of Medicine, University of Ljubljana, Slovenia: THE MITOCHONDRIAL CASPASE-3 RIDDLE	Pablo Hirschegger, Biotechnical Faculty, University of Ljubljana, Slovenia: PHYLOGENETIC REVISION OF THE HORTICULTURAL GROUPS OF ALLIUM AMPELOPRASUM AND CLOSE RELATIVES OF THE SECTION ALLIUM (ALLIACEAE)
17:00 – 17:30	Coff	ee break
17:15 – 19:30	Assembly of SBD with lectures of awardees (Conference Hall Optimus)	(17:30 – 19:30) Assembly of SGD (Conference Hall III)
20:00 –	Dinner (Cultural ev	vent: Prekmurian Party)









	Tuesday, 22.09.2009
	Biotechnology (Conference Hall Optimus)
	Chairs: Aleš Gašparič, Vladka Gaberc-Porekar
08:30 – 10:00	Karl Bayer, University of Natural Resources and Applied Life Sciences, Vienna, Austria: DESIGN CONCEPTS OF BACTERIAL HOST VECTOR SYSTEMS IN VIEW OF ECONOMIC UPSTREAM PROCESSING
	Klaus Graumann, Sandoz GmbH, Kundl, Austria: DEVELOPMENT OF ROBUST AND ECONOMIC MANUFACTURING PROCESSES FOR BIOPHARMACEUTICALS
	Matjaž Hren, National Institute of Biology, Ljubljana, Slovenia: DEVELOPMENT OF CELL-BASED THERAPIES USING SYSTEMS BIOLOGY TOOLS
	Roman Paškulin, OMI Institute, Ljubljana, Slovenia: INDUCTION OF ENERGY METABOLISM RELATED ENZYMES IN YEAST SACCHAROMYCES CEREVISIAE EXPOSED TO IBOGAINE IS ADAPTATION TO
	DECREASE IN ATP POOL
	Vanja Smilović, National Institute of Chemistry, Ljubljana, Slovenia: A NOVEL UNIVERSAL DETECTION METHOD FOR PEGYLATED BIOPHARMACEUTICALS
10:00 - 10:30	Coffee break
	Molecular basis of disease I (Conference Hall Optimus)
	Chairs: Janko Kos, Tea Lanišnik Rižner
10:30 - 12:00	Krešimir Pavelić, University of Rijeka, Croatia: TOWARDS PREVENTIVE MEDICINE: HIGH THROUGHPUT METODS ARE ABOUT TO CHANGE DAILY CLINICAL PRACTICE
	Janko Kos, Faculty of Pharmacy, University of Ljubljana, Slovenia: THE ROLE OF CARBOXYPEPTIDASE CATHEPSIN X IN MIGRATION, SIGNALLING AND MORPHOLOGY OF IMMUNE, NEURONAL AND
	TUMOUR CELLS
	Trevor Penning, University of Pennsylvania, USA: ALDO-KETO REDUCTASES (AKRS) AND HUMAN LUNG CANCER
	Sonja Hrašovec, Faculty of Medicine, University of Ljubljana, Slovenia: KRAS GENE ALTERATIONS AND MIRNA EXPRESSION IN COLORECTAL CANCER
	Eva Žerovnik, Jožef Stefan Institute, Ljubljana, Slovenia: INTERACTION OF HUMAN STEFIN B WITH AB PEPTIDE
12:00 - 13:30	Lunch III or "Take away LUNCH-BOX"
12:15 – 17:00	Optional per pay EXCURSION or FREE AFTERNOON
17:00 - 19:00	Poster session II (Šport Hotel)
	Round table: Personalized medicine: status, trends and open issues (Conference Hall Optimus)
17:30 – 19:00	Chair - moderator: Simon Horvat
20:00 – 22:00	Gala dinner (Tango Restaurant)



Parallel sections



Golden Chromosome Award

Nikolaus Rajewsky, Max Delbrück Center for Molecular Medicine, Berlin, Germany: POST-TRANSCRIPTIONAL GENE REGULATION BY MICRORNAS AND RNA BINDING PROTEINS Nadja Kokalj-Yokac, Faculty of Medicine, University of Maribor, Slovenia: ANALYSIS OF HUMAN STRUCTURAL GENOMIC VARIATION FROM KARYOTYPE TO MICROARRAYS Katarina Trebušak Podkrajšek, University Medical Centre Ljubljana, Slovenia: THAI-TRELATED CYTOKINES AND AUTOANTIBODIES AGAINST TYPE 1 INTERFERONES IN PATIENTS WITH AUTOIMMUNE POLYGLANDULAR SYNDROME TYPE 1 Alja Videtič, Faculty of Medicine, University of Ljubljana, Slovenia: PROMOTER AND FUNCTIONAL SINGLE NUCLEOTIDE POLYMORPHISMS OF HTR2C AND SUICIDE VICTIMS Coffee break Diagnosis and treatment of disease I (Conference Hall Optimus) Chairs: Nadja Kokalj Vokač, Radovan Komel 10:30 – 12:00 Damjan Glavač, Faculty of Medicine, University of Ljubljana, Slovenia: THE IMPORTANCE OF MICRORNA IN HUMAN DISEASES Borut Peterlin, University Medical Centre Ljubljana, Slovenia: GENOMIC BIOMARKERS IN NEURODEGENERATIVE DISORDERS Matjaž Vogelsang, National Institute of Chemistry, Ljubljana, Slovenia: GENOMIC BIOMARKERS IN NEURODEGENERATIVE DISORDERS Matjaž Vogelsang, National Institute of Chemistry, Ljubljana, Slovenia: GENOMIC BIOMARKERS IN NEURODEGENERATIVE DISORDERS Matjaž Vogelsang, National Institute of Chemistry, Ljubljana, Slovenia: DETECTION OF TOTAL ENYTHROPOIETIN IN URINE AND PLASMA OF CANCER PATIENTS WITH ISOELECTRIC FOCUSING Tanja Šuligoj, King's College London, UK: DIAGNOSIS OF COELIAC DISEASE Lunch IV Lunch IV Lunch IV Diagnosis and treatment of disease II (Conference Hall III) Diagnosis and treatment of disease II (Conference Hall Dytimus) Chairs: Naja Čeneažar, Gillian M. Tozer Gregor Serša, Institute of Oncology, Ljubljana, Slovenia: GENE THERAPY OF SOLID TUMORS: OUR EXPERIENCE Helena Podgornik, University Medical Centre Ljubljana, Slovenia: ALGORITHM SOR PISH ANALYSIS IN HEAMATOLOGICAL MALIGNANCIES Vesna Todorović, University of Primorska, Slovenia: ENHANCED CYTOTOXICITY OF BLEOMYCIN AND CIS		Wednesday 22.00.2000
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	15:30 – 17:15	
Vid Mlakar, Faculty of Medicine, University of Ljubljana, Slovenia: PRESENCE OF ACTIVATING KRAS MUTATIONS CORRELATES SIGNIFICANTLY WITH EXPRESSION OF TUMOUR SUPPRESSOR GENES DCN		
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Jernej Ogorevc, Biotechnical Faculty, University of Ljubljana, Slovenia: INTEGRATIVE GENOMICS DATA MINING APPROACH: IDENTIFICATION OF CANDIDATE GENES AND GENETIC MARKERS FOR MASTITIS RESISTSTANCE IN CATTLE		
Katja Repnik, Faculty of Medicine, University of Maribor, Slovenia: IDENTIFICATION OF GENES PLAYING ROLE IN COMPLEX DISEASES WHICH ARE REGULATED BY DISEASE ASSOCIATED SNPS DISCOVERED		
IN »GENE DESERTS«		IN »GENE DESERTS«
Mojca Stražišar, Faculty of Medicine, University of Ljubljana, Slovenia: NOVEL LATS2, STK11 AND S100A2 ALTERATIONS ARE SIGNIFICANT AND SPECIFIC FOR LUNG CANCER		Mojca Stražišar, Faculty of Medicine, University of Ljubljana, Slovenia: NOVEL LATS2, STK11 AND S100A2 ALTERATIONS ARE SIGNIFICANT AND SPECIFIC FOR LUNG CANCER

Wednesday (continued)	
17:30 – 18:20	Closing lecture (Conference Hall Optimus)
	Chair: Peter Dovč
	Tamara Lah, National Institute of Biology, Ljubljana, Slovenia: Approaching complexity by complexity: To reveal heterogeneity of glioblastoma by system biology tools
18:30 - 19:00	Closing remarks (organizers: Radovan Komel & Peter Dovč)

Joint sections

Parallel sections

Commercial talks

Golden Chromosome Award