

Programme

Wednesday, June 1, 2016 *School of Medicine, University of Split*

16:30 Opening ceremony

Chairs: Zrinka Kovarik and Željko Kućan

17:15 PL1 **IUBMB Ed Wood Lecturer**
Susan S. Taylor (San Diego, USA)
PKA: DYNAMIC ASSEMBLY OF MACROMOLECULAR
SIGNALING COMPLEXES

Session by the University of Split

Chairs: Maja Pavela Vrančić and Irena Drmić Hofman

18:05 L1 **Irena Drmić Hofman** (Split, Croatia)
PROTEIN CARBONYLATION THROUGH COLORECTAL
CANCER STAGES

18:25 L2 **Vedrana Čikeš Čulić** (Split, Croatia)
PATHOBIOCHEMISTRY OF GLYCOANTIGENS

18:45 L3 **Ivana Marinović-Terzić** (Split, Croatia)
MUTATIONS IN SPRTN CAUSE EARLY ONSET
HEPATOCELLULAR CARCINOMA, GENOMIC INSTABILITY
AND PROGEROID FEATURES

19:05 L4 **Jasna Puizina** (Split, Croatia)
THE PLANT GENOMES: BETWEEN STABILITY AND
EVOLUTIONARY CHANGES

19:25 L5 **Mladen Miloš** (Split, Croatia)
INVESTIGATION OF BIOACTIVE COMPOUNDS FROM
DALMATIAN PLANTS: THEIR ANTIOXIDANT, ENZYME
INHIBITION AND HEALTH PROPERTIES

20:00 Welcome party

Thursday, June 2, 2016

Chairs: Zrinka Kovarik and Jerka Dumić

9:00 **The 40th Anniversary of the HDBMB**

Chairs: Israel Pecht and Jerka Dumić

9:45 PL2 **FEBS National Lecture**
Ivan Matic (Paris, France)
EVOLUTION OF MUTATION RATES

10:30 Coffee break *Sponsored by Kobis d.o.o.*

FEBS3+ Meeting Session

Chairs: Jadranka Varljen and Tihomir Balog

11:00 L6 **Janko Kos** (Ljubljana, Slovenia)
CYSTEINE CATHEPSINS AS REGULATORS OF CELL
CYTOTOXICITY AND ANTITUMOR IMMUNE RESPONSE

11:25 L7 **Beáta G. Vértessy** (Budapest, Hungary)
PERTURBATION OF GENOME INTEGRITY BY A
MOONLIGHTING BACTERIAL REPRESSOR ALLOWS A NEW
APPROACHES TO KILL PATHOGENIC MICROBES AND
CANCER CELLS

11:50 L8 **Marija Gavrović-Jankulović** (Belgrade, Serbia)
EFFECTS OF FOOD ALLERGEN INTERACTIONS WITH
INTESTINAL EPITHELIAL CELLS

12:15 L9 **Pero Lučin** (Rijeka, Croatia)
PATHWAYS OF ENDOSOMAL RECYCLING OF MHC-I
PROTEINS

12:40 Lunch Break

Chairs: Maja Herak Bosnar and Stjepan Orhanović

14:00 L10 **Marko Marjanović** (Zagreb, Croatia)
CEP63 DEFICIENCY PROMOTES P53 DEPENDENT
MICROCEPHALY AND REVEALS A ROLE FOR THE
CENTROSOME IN MEIOTIC RECOMBINATION

14:25 L11 **Igor Stuparević** (Zagreb, Croatia)
THE ROLE OF Rrp6 COFACTORS IN mRNP BIOGENESIS
AND QUALITY CONTROL

14:50 SP1 **Josip Brajković** (Zagreb, Croatia)
V3 STAIN-FREE WORKFLOW FOR A PRACTICAL AND
RELIABLE TOTAL PROTEIN LOADING CONTROL IN
WESTERN BLOTTING

15:05 SP2 **Ivana Novak Nakir** (Split, Croatia)
REGULATION OF MITOPHAGY RECEPTORS BY
PHOSPHORYLATION

15:20 **Speed talk poster presentations**
Poster session, exhibition and refreshment

Chairs: Damjan Franjević and Jasmina Rokov Plavec

16:20 L12 **Sven B. Gould** (Düsseldorf, Germany)
THE MITOCHONDRIAL AND PLASTID CONTRIBUTION TO
EUKARYOTIC MEMBRANE COMPLEXITY

16:55 L13 **Ivica Strelec** (Osijek, Croatia)
FULLERENOL NANOPARTICLES INHIBIT ASPERGILLUS
FLAVUS AFLATOXIN PRODUCTION

17:20 SP3 **Mateja Prunk** (Ljubljana, Slovenia)
INVOLVEMENT OF CYSTATIN F IN REGULATION OF
CYTOTOXICITY OF CYTOTOXIC T LYMPHOCYTES

17:35 SP4 **Sumegi Balazs** (Pecs, Hungary)
CYCLOPHILIN D-DEPENDENT MPT REGULATES THE
DEVELOPMENT OF ACUTE LUNG INJURY IN
ENDOTOXEMIA

17:50 SP5 **Ivana Vrhovac Madunić** (Zagreb, Croatia)
SPECIES DIFFERENCES IN THE EXPRESSION OF SODIUM-D-
GLUCOSE COTRANSPORTER 1 (SGLT1/SLC5A1), A
POTENTIAL THERAPEUTIC TARGET IN DIABETES

Friday, June 3, 2016

Chairs: Zrinka Kovarik and Janoš Terzić

- 9:00 PL3 **Palmer Taylor** (San Diego, USA)
STRUCTURE-GUIDED DRUG DESIGN OF NICOTINIC
ACETYLCHOLINE RECEPTOR AGONISTS AND
ANTAGONISTS THROUGH NATURAL PRODUCT
TEMPLATES
- 9:45 L14 **Svjetlana Kalanj Bognar** (Zagreb, Croatia)
RELATIONSHIP OF GANGLIOSIDES AND NEUROPLASTIN
IS IMPORTANT FOR SYNAPTIC MEMBRANE
ORGANIZATION AND FUNCTION
- 10:10 SP6 **Marek Zurawski** (München, Germany)
QUANTITATIVE ANALYSIS OF BIOMOLECULAR
INTERACTIONS WITH MICROSCALE THERMOPHORESIS
(MST)

10:25 **Speed talk poster presentations**
Poster session, exhibition and refreshment

Chairs: Maja Herak Bosnar and Anita Markotić

- 11:25 L15 **Olga Gornik** (Zagreb, Croatia)
FUCOSYLATION OF PLASMA PROTEINS IS A NOVEL
MARKER OF HNF1A-MATURITY ONSET DIABETES OF
THE YOUNG
- 11:50 L16 **Robert Domitrović** (Rijeka, Croatia)
ROLE OF ERK MAPK IN THE REGULATION OF
CISPLATIN-INDUCED TOXICITY
- 12:15 SP7 **Janoš Terzić** (Split, Croatia)
CARPAL TUNNEL SYNDROME IS ASSOCIATED WITH
HIGH FIBRINOGEN AND FIBRINOGEN DEPOSITS
- 12:30 SP8 **Sonja Levanat** (Zagreb, Croatia)
EPIGENETIC REGULATION OF HEDGEHOG-GLI
SIGNALING PATHWAY IN VARIOUS OVARIAN TUMORS
- 12:45 SP9 **Josip Madunić** (Zagreb, Croatia)
SODIUM SALICYLATE INHIBITS UROKINASE ACTIVITY IN
MDA MB-231 BREAST CANCER CELLS

13:00 Lunch Break

15:30 Split guided city-tour

20:00 Congress dinner

Saturday, June 4, 2016

Chairs: Irena Drmić Hofman and Tihomir Balog

- 9:00 PL4 **Miroslav Radman** (Split, Croatia)
CHEMISTRY OF AGING AND ORIGIN OF AGE-RELATED DISEASES
- 9:45 L17 **Sandra Sobočanec** (Zagreb, Croatia)
PROMINENT ROLE OF DIPEPTIDYL PEPTIDASE III (DPP III) IN ESTROGEN-MEDIATED PROTECTION AGAINST HYPEROXIA IN VIVO
- 10:10 L18 **Felix M. Wensveen** (Rijeka, Croatia)
SURVIVAL OF THE FITTEST CLONE REGULATORY MECHANISMS CONTROLLING DIVERSITY OF PATHOGEN-DIRECTED LYMPHOCYTES
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- 10:35 Coffee break *Sponsored by Diagnostica skalpeli d.o.o.*
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Chairs: Ivana Novak Nakir and Damjan Franjević

- 11:00 L19 **Koraljka Husnjak** (Frankfurt, Germany)
IDENTIFICATION OF NOVEL LINEAR POLYUBIQUITIN-MODIFIED PROTEINS BY INTERNALLY TAGGED LYSINE-LESS UBIQUITIN
- 11:25 L20 **Nataša Bauer** (Zagreb, Croatia)
DE NOVO DNA METHYLATION AND REGULATION OF GENE EXPRESSION IN *Arabidopsis*
- 11:50 L21 **Jasmina Rokov Plavec** (Zagreb, Croatia)
INTERPLAY OF PROTEINS INVOLVED IN TRANSLATION AND STEROID HORMONE METABOLISM IN ARABIDOPSIS
- 12:15 SP10 **Sanja Šale** (Zagreb, Croatia)
BIOCentre – A NEW RESOURCE FOR ACADEMIC RESEARCHERS IN LIFE SCIENCES
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- 12:40 Closing ceremony and the Best Poster Award
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