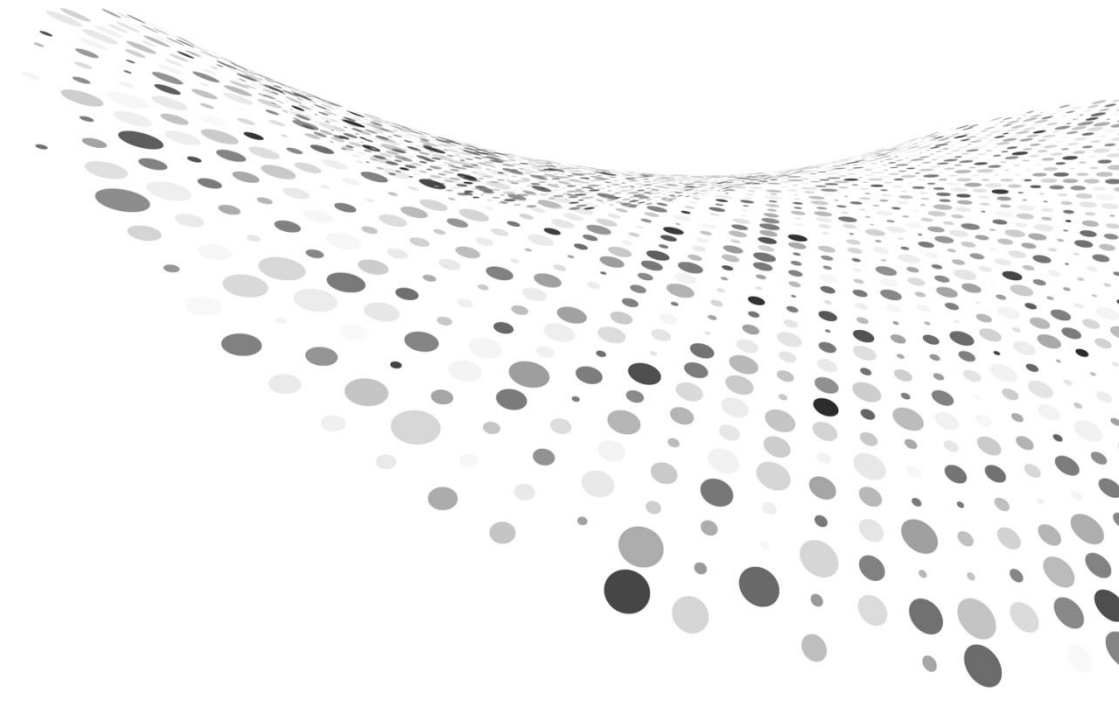


# Programme



# Programme

## Wednesday, September 25, 2019

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13:00 - 16:45 *Pre-congress Workshop*

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17:30            Opening ceremony

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*Chairs: Jerka Dumić and Damjan Franjević*

18:00            PL1    **FEBS National Lecture**  
                         **Sven B. Gould** (Düsseldorf, Germany)  
                         MAJOR CHANGES IN PLASTID BIOLOGY AND THEIR  
                         CONQUER OF LAND

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19:00            Welcome party

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## Thursday, September 26, 2019

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*Chairs: Igor Stuparević and Igor Jurak*

- 9:00 L1 **Igor Jurak** (Rijeka, Croatia)  
THE miRNA INTERPLAY BETWEEN VIRUS AND HOST
- 9:25 L2 **A. Rachid Rahmouni** (Orléans, France)  
DECIPHERING THE DYNAMIC LANDSCAPE OF THE mRNP  
QUALITY CONTROL MACHINERY TRAFFICKING ALONG  
THE YEAST GENOME
- 
- 9:50 PL2 **Seamus J. Martin** (Dublin, Ireland)  
AN INFLAMMATORY PERSPECTIVE ON 'DEATH  
RECEPTORS'
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10:35 Poster session  
Exhibition and refreshment

*Sponsored by Ohm LAB d.o.o.*

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*Chairs: Zrinka Kovarik and Morana Dulić*

- 11:20 L3 **Barbara van Loon** (Trondheim, Norway)  
ROLE OF DNA REPAIR IN NEURODEVELOPMENT
- 11:45 L4 **Maja Katalinić** (Zagreb, Croatia)  
CITOTOXICITY OF OXIME ANTIDOTES DRIVEN BY  
CHANGES IN THEIR STRUCTURE
- 12:10 SP1 **Marko Močibob** (Zagreb, Croatia)  
MAINTAINING THE PROTEIN BIOSYNTHESIS FIDELITY BY  
ISOLEUCYL-tRNA SYNTHETASE
- 12:25 SP2 **Filiz Bakar-Ates** (Ankara, Turkey)  
THE APOPTOTIC EFFECT OF ATORVASTATIN IN  
MDAMB231 CELLS IS RELATED WITH DOWN-  
REGULATION OF MMP-2/9 MRNA EXPRESSION
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12:40 Lunch Break

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*Chairs: Maja Herak Bosnar and Hrvoje Fulgosi*

- 14:10 L5 **Dubravka Hranilović** (Zagreb, Croatia)  
ADAPTIVE BEHAVIOR IN LIZARDS: AN ECOLOGICAL  
STORY FROM BIOCHEMICAL PERSPECTIVE
- 14:35 L6 **Maja Šegvić Klarić** (Zagreb, Croatia)  
BIODIVERSITY AND TOXIC PROPERTIES OF ASPERGILLUS  
SECTION VERSICOLORES - WHAT DO FLOODS HAVE TO  
DO WITH IT?
- 15:00 SP3 **Rok Košir/Uršula Prošenc Zmrzljak** (Ljubljana, Slovenia)  
DROPLET DIGITAL PCR AND PRACTICAL APPLICATIONS  
IN BIOCHEMISTRY AND MOLECULAR BIOLOGY

- 15:15 SP4 **Marko Žarak** (Zagreb, Croatia)  
GALECTIN-3 AND OTHER CARDIOVASCULAR  
BIOMARKERS REFLECT ADAPTATIONAL MECHANISMS  
TO SCUBA DIVING
- 15:30 SP5 **HDBMB Young Scientist Award 2017**  
**Toma Keser** (Zagreb, Croatia)  
IGG N-GLYCOSYLATION IS A POTENTIAL BIOMARKER  
FOR SEPSIS

- 15:45 **Speed talk poster presentations**
- P71 Suzana Žunec** (Zagreb, Croatia)  
EVALUATION OF Δ9- TETRAHYDROCANNABINOL POTENCY TO  
INHIBIT CHOLINESTERASES
- P69 Tamara Zorbaz** (Zagreb, Croatia)  
PHARMACODYNAMIC AND PHARMACOKINETIC EVALUATION OF  
MORPHOLINE-3-HYDROXY-2-PYRIDINE OXIME, CENTRALLY  
ACTIVE ANTIDOTE FOR NERVE AGENT POISONING
- P39 Marija Pinterić** (Zagreb, Croatia)  
THE EFFECT OF SIRT3 AND GENDER IN ACUTE AND CHRONIC  
OXIDATIVE STRESS RESPONSE IN MICE
- P68 Vladimir Zanki** (Zagreb, Croatia)  
TWO DISTINCT ILERS PROTEINS IN BACILLUS MEGATERIUM AND  
THEIR POSSIBLE ROLES IN ADAPTATION TO VARIOUS STRESS  
CONDITIONS
- P70 Andreja Zubković** (Rijeka, Croatia)  
CRITICAL EVALUATION OF HERPES SIMPLEX VIRUS 1 ENCODED  
MICRORNAS DURING PRODUCTIVE AND LATENT INFECTION
- P14 Ana Filošević** (Rijeka, Croatia)  
CIRCADIAN GENES MODULATE ANTIOXIDATIVE ENZYMES AFTER  
PSYCHOSTIMULANT ADMINISTRATION IN D. MELANOGASTER
- P27 Vedrana Kauzlarić** (Rijeka, Croatia)  
OPTIMIZATION OF FLOW CYTOMETRY FOR THE ANALYSIS OF  
CEREBROSPINAL FLUID-DERIVED EXTRACELLULAR VESICLES OF  
ADULT SEVERE TRAUMATIC BRAIN INJURY PATIENTS
- P4 Ivana Bertović** (Rijeka, Croatia)  
EARLY ENDOSOMAL GTPase RAB5 MEDIATES GPIb TRAFFICKING  
AND PLATELET FORMATION *IN VITRO*

- 16:25 Poster session  
Exhibition and refreshment

*Chairs: Antonija Jurak Begonja and Nino Sinčić*

- 17:10 L7 **Tatijana Zemunik** (Split, Croatia)  
GENETIC VARIANTS UNDERLYING THYROID FUNCTION

- 17:35 L8 **Miroslav Plohl** (Zagreb, Croatia)  
TANDEMLY REPEATED DNA SEQUENCES AND THE  
CENTROMERES
- 18:00 SP6 **Jakub Nowak** (Krakow, Poland)  
nanoDSF – A CUTTING-EDGE BIOPHYSICAL TECHNIQUE  
FOR CHARACTERIZATION OF PROTEIN QUALITY AND  
STABILITY
- 18:15 SP7 **Julius Brtko** (Bratislava, Slovakia)  
NUCLEAR RETINOID X RECEPTORS – LIGAND INDUCIBLE  
TRANSCRIPTION FACTORS AND THEIR ROLE IN  
PHYSIOLOGICAL PROCESSES AND THERAPY OF SELECTED  
ONCOLOGICAL DISEASES
- 18:30 SP8 **Ljerka Karleuša** (Rijeka, Croatia)  
BIOGENESIS OF MCMV INFECTION ORGANIZED  
ORGANELLE STRUCTURE IN THE EARLY PHASE OF  
INFECTION
- 18:45 SP9 **Mihaela Perić** (Zagreb, Croatia)  
STUDYING HUMAN GUT MICROBIOTA – METHODOLOGY  
CHALLENGES
- 19:00 SP10 **Klemen Dolinar** (Ljubljana, Slovenia)  
PHARMACOLOGICAL MODULATORS OF INOSINE  
MONOPHOSPHATE METABOLISM PROMOTE  
ACTIVATION OF AMPK IN SKELETAL MUSCLE CELLS

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20:00 Beer Party with poster session

*Sponsored by Zagrebačka pivovara d.o.o.*

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## Friday, September 27, 2019

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*Chairs: Maja Katalinić and Jerka Dumić*

- 9:00 L9 **Branka Salopek Sondi** (Zagreb, Croatia)  
PLANT HORMONE AUXIN – THE REGULATOR OF  
ABIOTIC STRESS RESPONSE IN BRASSICACEAE
- 9:25 L10 **Sergej Pirkmajer** (Ljubljana Slovenia)  
EFFECTS OF ANTIRHEUMATIC DRUGS ON AMPK  
SIGNALLING AND ENERGY METABOLISM IN SKELETAL  
MUSCLE
- 
- 9:50 PL3 **Robert Harris** (Stockholm, Sweden)  
REPOPULATION OF A MICROGLIA-DEPLETED CENTRAL  
NERVOUS SYSTEM - MOLECULAR CHARACTERIZATION  
DURING HOMEOSTASIS AND DISEASE STATES
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10:35 Poster session  
Exhibition and refreshment

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*Chairs: Ljubica Glavaš-Obrovac and Neda Slade*

- 11:10 L11 **Ivana Munitić** (Rijeka, Croatia)  
OPTINEURIN DYSFUNCTION IN AMYOTROPHIC  
LATERAL SCLEROSIS
- 11:35 L12 **Martin Petrek** (Olomouc, Czech Republic)  
VARIATION OF HLA SYSTEM IN SARCOIDOSIS:  
INVESTIGATION ON THE ALLELE LEVEL BY NEXT  
GENERATION SEQUENCING
- 12:00 L13 **Neda Slade** (Zagreb, Croatia)  
FUNCTIONAL INTERPLAY BETWEEN P53 AND P53/P73,  
NME AND GLI FAMILIES IN HUMAN MELANOMA
- 12:25 SP11 **Lara Batičić** (Rijeka, Croatia)  
EFFECT OF DIPEPTIDYL-PEPTIDASE IV (DPP IV/CD26)  
DEFICIENCY ON CUTANEOUS WOUND HEALING  
PROCESS IN A STREPTOZOTOCIN-INDUCED DIABETES  
MODEL IN MICE
- 12:40 SP12 **Stana Tokić** (Osijek, Croatia)  
PHENOTYPING AND FUNCTIONAL ROLE OF MAIT AND  
 $\gamma\delta$ T PERIPHERAL BLOOD LYMPHOCYTES IN THE  
DEVELOPMENT AND PROGRESSION OF VULGAR  
PSORIASIS
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12:55 Lunch Break

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13:50 Excursion to Aura distillery and Karlič truffles

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20:00 Congress dinner

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## Saturday, September 28, 2019

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*Chairs: Jasmina Rokov Plavec and Tihomir Balog*

- 9:00 L14 **Vedrana Filić** (Zagreb, Croatia)  
IQGAP-RELATED PROTEIN IqgC TERMINATES Ras  
SIGNALLING DURING MACROPINOCYTOSIS AND  
PHAGOCYTOSIS
- 9:25 L15 **Igor Stuparević** (Zagreb, Croatia)  
ROLES OF LONG NON-CODING RNAs IN REGULATING  
EXPRESSION OF YEAST EXTRACELLULAR PROTEINS
- 9:50 SP13 **Marta Popović** (Zagreb, Croatia)  
THE ROLE OF PROTEASES IN DNA-PROTEIN CROSSLINK  
REPAIR
- 10:05 SP14 **Matilda Šprung** (Split, Croatia)  
QUINUCLIDINE AND ITS DERIVATIVES – COMPOUNDS  
OF HIGH BIOLOGICAL AND MEDICINAL POTENTIAL
- 10:20 SP15 **HDBMB Young Scientist Award 2018**  
**Vedrana Jelenčić** (Rijeka, Croatia)  
NKG2D SETS ACTIVATION THRESHOLD FOR NCR1  
EARLY IN NK CELL-DEVELOPMENT AND CONTROLS  
SENSITIVITY OF CANCER IMMUNE-SURVEILLANCE
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- 10:35 PL4 **Iva Tolić** (Zagreb, Croatia)  
FORCES THAT MOVE THE CHROMOSOMES IN MITOSIS
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11:20 Closing remarks

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*12:15 - 16:30 Post-congress Workshop*

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