

SCIENTIFIC PROGRAMME

THURSDAY, NOVEMBER 21

Part I

Chairperson: Milan Kaška

- 11:00 **Nörenberg J. (Pécs, Hungary):** Different Gamma/delta T Cell Populations and Their Possible Role in the Maintenance of Pregnancy
- 11:20 **Fairweather E. (Liverpool, United Kingdom):** Evaluating Kinome-wide Resistance Mechanisms to 3rd Generation EGFR Inhibitors in Non-small Cell Lung Cancer
- 11:40 **Kraller M. (Vienna, Austria):** Single Molecule Fret Reveals Enhanced Binding Lifetime between TCR and pMHC1 in the Presence of CD8
- 12:00 **Gabonová E. (Martin, Slovak Republic):** Possibilities of Non-invasive Diagnosis of Colorectal Cancer Relapse at Nucleic Acid
- 12:20 **Longhorne F. (Hull, United Kingdom):** Dexamethasone and A549 Cells: Relevance to Pulmonary Fibrosis

Part II

Chairperson: Miroslav Kuba

- 13:40 **Heller P. (Dresden, Germany):** LPS Mediated Acute Inflammation Drives Hepatic Glutathione Depletion and Induces the Serine-glycine-one-carbon Metabolism
- 14:00 **Hrala M. (Brno, Czech Republic):** Characterization of Novel Bacteriocin B51 Produced by *Escherichia Coli*
- 14:20 **Fürstová E. (Prague, Czech Republic):** Investigation of In Vitro Treatment Response to CFTR Modulators in Patients with Cystic Fibrosis in a Cross-sectional Intestinal Organoid Study
- 14:40 **Klein M. (Bratislava, Slovak Republic):** Telocytes: Newly Discovered Interstitial Cells in Human Uterus – Identification of Suitable Immunohistochemical Marker and Possible Significance in the Pathogenesis of Uterine Fibroids
- 15:00 **Látal P. (Prague, Czech Republic):** Mini-invasive Harvesting of Spongiotic Grafts in Trauma Indication Experimental Part of the Study

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Part III

Chairperson: Emil Rudolf

- 15:40 **Malečková A. (Pilsen, Czech Republic):** Pig as a Large Animal Model of Liver Diseases – Histological Quantitative Study on Porcine Liver Morphology
- 16:00 **Marková A. (Hradec Králové, Czech Republic):** Novel Compounds Based on Quaternary Ammonium Salts – Synthesis, Disinfection and Decontamination Properties
- 16:20 **Moráň L. (Brno, Czech Republic):** Novel Anticancer (1,10-phenantroline)₂ Cu(II) Complexes Induce ER Stress-mediated Cell Death in Ovarian Cancer Cells
- 16:40 **Badyra B. (Krakow, Poland):** Tracking Mesenchymal Stem Cells in Mice Model of Hypoxic-ischemic Encephalopathy
- 17:00 **Chen L. (Maastricht, the Netherlands):** Molecular Imaging of Sulfatides in Intrahepatic Cholangiocarcinoma

FRIDAY, NOVEMBER 22

Part IV

Chairperson: Jan Laco

- 9:00 **Almeida Brites Pereira da Silva R. (Porto, Portugal):** DNIC Impairment in Joint Inflammatory Pain Arises in Parallel with Impairment of the Descending Noradrenergic Inhibition and Development of Anxiodepressive-like Behaviors
- 9:20 **Chang X. (Maastricht, the Netherlands):** The Effect of Chyme Reinfusion on the Bile Salt/FGF19 Signaling Axis in Intestinal Failure Patients with Temporary Double Enterostomy: RESCUE Study
- 9:40 **Plachý L. (Prague, Czech Republic):** Genetic Examination in Children with Familial Short Stature Confirms the New Paradigm of Growth Disorders Pathogenesis
- 10:00 **Perujo Holland N. (Hull, United Kingdom):** Novel ¹⁸F Radiolabelled Antagonists for Positron Emission Tomography Imaging of Chemokine Receptor CXCR4
- 10:20 **da Costa Pereira J. (Porto, Portugal):** Paclitaxel-induced Neuropathy: the Role of Serotonin and Noradrenaline in Descending Pain Modulation

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Part V

Chairperson: Stanislav Mičuda

- 11:00 **Pšenková P. (Bratislava, Slovak Republic):** How to Effectively Decrease the Frequency of Cesarean Section in the Workplace
- 11:20 **Romanauska A. (Vienna, Austria):** Lipid Storage at the Inner Nuclear Membrane
- 11:40 **Sekaninová N. (Martin, Slovak Republic):** Pupillary Light Reflex as an Index of Central Autonomic Regulation Influenced by Emotional Processing is Altered in Adolescent Depression
- 12:00 **Shengelidze G. (Tbilisi, Georgia):** Anaphylaxis Time Trends and Sex/age Distribution for Hospital Admissions in Georgia 2015-2018
- 12:20 **Součková O. (Prague, Czech Republic):** Novel Defects of *De Novo* Purine Synthesis

Part VI

Chairperson: Jan Čáp

- 13:40 **Trnková K. (Prague, Czech Republic):** Assessment of Vestibular Compensation in Prehabilitated Patients Undergoing Vestibular Schwannoma Microsurgery
- 14:00 **Ujvári B. (Pécs, Hungary):** The Role of Centrally Projecting Edinger-westphal Nucleus in the Rotenone Model of Parkinson's Disease in the Rat
- 14:20 **Wirsching P. (Dresden, Germany):** Analysis of Zebrafish LRRK2 Loss-of-function during Brain Development and Adult Brain Regeneration
- 14:40 **Zaripova L. (Liverpool, United Kingdom):** Mesenchymal Stem Cells Impairment in Juvenile Idiopathic Arthritis
- 15:00 **Krůpa P. (Hradec Králové, Czech Republic):** Nano-formulated Curcumin in the Treatment of the Spinal Cord Injury
- 15:20 **Pilbauerová N. (Hradec Králové, Czech Republic):** Cryopreservation of Dental Pulp Stem Cells