

ČTVRTEK / THURSDAY - 25. LISTOPADU 2021 / 25<sup>TH</sup> NOVEMBER, 2021

## MADRID ROOM

11:00 – 13:00

REGISTRATION

### ***Novel drugs and therapies / 13:00 – 15:00***

*Chairs: Petr Džubák, Milan Urban*

13:00 – 13:15	Welcome speech <b>Marián Hajdúch</b>
13:15 - 13:30	Biological evaluation of 225Ac-PSMA derivatives for alpha therapy in prostate cancer <b>Zbyněk Nový</b>
13:30 - 13:45	Anti-SARS-CoV-2 activity of one existing anti-inflammatory drug <b>Ermin Schädich</b>
13:45 - 14:00	Determination of biological activity of compounds from IMTM Proprietary Library based on their cytotoxicity profiling in HTS facility <b>Soňa Gurská</b>
14:00 - 14:15	Highly active anticancer drug, PNH173, mechanism of action <b>Petr Džubák</b>
14:15 - 14:30	Synthesis of fluorinated derivatives 2-phenyl-3-hydroxy-4(1H)-quinolinone and study of their anticancer activity <b>Jiří Řehulka</b>
14:30 - 14:45	Bioisosteric approach in the improvement of selectivity in cytotoxic analogues of betulinic acid <b>Milan Urban</b>
14:45 - 15:00	68Ga-Ornibactin for positron emission tomography imaging of bacteria from Burkholderia cepacia complex <b>Kateřina Bendová</b>
15:00 – 15:30	COFFEE BREAK

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## MADRID ROOM

### ***Biomarkers in personalized medicine / 15:30 – 18:00***

*Chairs: Juan Bautista De Sanctis, Lukáš Najdekr*

15:30 - 15:45	Metabolite and lipid profiling of lung and breast cancer <b>Aleš Kvasnička</b>
15:45 - 16:00	Colon Cancer and Perturbations of the Sphingolipid and Glycosphingolipid Metabolism <b>Miroslav Machala</b>
16:00 - 16:15	Comprehensive LC-MS approach for diagnosis of monogenic disorders <b>Barbora Pískalová</b>
16:15 - 16:30	Proteomic analysis of exhaled breath condensate could be used for non-invasive lung cancer diagnostics and distinguish it from COPD <b>Jana Václavková</b>
16:30 - 16:45	Could be the biomarkers of gynecological diseases detected from cervical mucus? <b>Tomáš Oždián</b>
16:45 - 17:00	Novel UHPLC-MS method for detailed analysis of lipid species using a scheduled MS/MS acquisition approach for improved metabolite annotation <b>Lukáš Najdekr</b>
17:00 - 17:15	Targeted metabolomic and lipidomic study of SHR24 rat models with tauopathy <b>Dana Dobešová</b>
17:15 - 17:30	Therapeutic targeting of repurposed anticancer drugs for protein aggregation: Example of tau aggregates <b>Narendran Annadurai</b>
17:30 - 17:45	Supplementation with polyunsaturated and saturated fatty acids enhance NK cytotoxic response in Sprague Dawley-Rats. Effect of gender and age <b>Juan Bautista De Sanctis</b>
17:45 - 18:00	Age prediction through detection of DNA methylation <b>Lucie Kotková</b>

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## OLOMOUC ROOM

### *Interdisciplinary research in pathology / 13:00 – 15:00*

*Chairs: Jiří Ehrmann, Jan Bouchal*

13:00 – 13:15	Welcome speech <b>Jiří Ehrmann</b>
13:15 - 13:30	Multiple myeloma 2000+ <b>Jiří Minařík</b>
13:30 - 13:45	Current approach to typing systemic and localised amyloidosis <b>Patrik Flodr</b>
13:45 - 14:00	A drug repurposing strategy for overcoming human multiple myeloma resistance to standard-of-care treatment <b>Katarína Chromá</b>
14:00 - 14:15	Cannabidiol-induced expression of metallothioneins attenuate the anticancer effect of disulfiram <b>Tereza Buchtová</b>
14:15 - 14:30	Iodine Contrast Medium Affects Urine Cytology Assessment - A Prospective Single Blinded Study And Its Impact For Urological Practice <b>Milan Král</b>
14:30 - 14:45	Cell surface antigen signature and its plasticity in breast and prostate cancer <b>Karel Souček</b>
14:45 - 15:00	Inhibition of aryl hydrocarbon receptor (AhR) expression in colon cancer cells disrupts cell proliferation, energy metabolism and expression of enzymes involved in fatty acid synthesis <b>Jan Vondráček</b>
15:00 – 15:30	<b>COFFEE BREAK</b>

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## OLOMOUC ROOM

### *Clinical and molecular pathology / 15:30 – 18:00*

*Chairs: Gabriela Dostálová, Zdeněk Kolář*

- |               |                                                                                                                                                                               |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15:30 - 15:45 | Role imunohistochemie v diagnostice atypické endometriózy<br><b>Jiří Lenz</b>                                                                                                 |
| 15:45 - 16:00 | Teamwork in Thyroid Diseases Diagnostics and Treatment. Total Thyroidectomy Can Still Remain the Method of Choice in Some Bethesda III FNAB Cases<br><b>Jaroslava Dušková</b> |
| 16:00 - 16:15 | Patofyziologie a patologie M. Gaucher a M. Fabry<br><b>Helena Hůlková</b>                                                                                                     |
| 16:15 - 16:30 | Soubor biopsií ledvin u M. Fabry. Provedené nefrologické screeniny v ČR<br><b>Eva Honsová</b>                                                                                 |
| 16:30 - 16:40 | Další histopatologická vyšetření u M. Gaucher a M. Fabry<br><b>Helena Hůlková</b>                                                                                             |
| 16:40 - 16:55 | Bank of Clinical Specimens: Bridging the gap in translational research<br><b>Roman Hrstka</b>                                                                                 |
| 16:55 - 17:10 | Cytokeratin 7 expression as a predictor of an unfavorable prognosis in colorectal carcinoma<br><b>Jan Hrudka</b>                                                              |
| 17:10 - 17:25 | Morphological study of HNSCC focused on perineural invasion - a single institutional study with five year follow up<br><b>Pavel Hurník</b>                                    |
| 17:25 - 17:40 | Identification of candidate genes underlying soft tissue sarcoma progression<br><b>Jiří Hatina</b>                                                                            |



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EVROPA ROOM

## **The session of the Czech Society of Pathologists / 08:15 – 10:00**

Chairs: Pavel Dundr, Zdeněk Kolář, Jiří Ehrmann

8:15 - 8:25	Welcome speech <b>Zdeněk Kolář, Pavel Dundr, Jiří Ehrmann, Marián Hajdúch, Jana Vaculová</b>
8:25 - 8:45	Hlava's institute of pathology, professor Jaroslav Hlava and his successors <b>Pavel Dundr</b>
8:45 - 9:00	Comparison of 5 different scoring methods in the evaluation of inflammatory infiltration (tumor infiltrating lymphocytes - TILs) in superficial spreading and nodular melanoma ( <i>Hlava's award 2019</i> ) <b>Kristýna Němejcová</b>
9:00 - 9:15	Pure versus comorbid Creutzfeldt–Jakob disease: A study of 215 cases showed a surprisingly low incidence of pure prion disease ( <i>Lambli's award 2020</i> ) <b>Nikol Jankovská</b>
9:15 - 9:30	Central Pathology Review in SENTIX, A Prospective Observational International Study on Sentinel Lymph Node Biopsy in Patients with Early-Stage Cervical Cancer (ENGOT-CX2) ( <i>Hlava's award 2019</i> ) <b>Kristýna Němejcová</b>
9:30 - 10:00	INVITED LECTURE: Androgen receptor coregulatory proteins and endocrine and chemotherapies for prostate cancer <b>Zoran Culig, Innsbruck Medical University</b>
10:00 – 10:30	<b>COFFEE BREAK</b>

## **Comprehensive genomic tumor profiling powered by GENETICA & ILLUMINA** **10:30 – 12:30**

Chairs: Pavel Dundr, Jiří Drábek, Jeroen Adema, Ondřej Slabý

10:30 - 11:00	Comprehensive genomic tumor profiling <b>Jeroen Adema</b>
11:00 - 11:30	Higher degree of personalization of cancer treatment (precision oncology) using comprehensive genomic profiling: experience from two molecular tumor boards <b>Ondřej Slabý</b>
11:30 - 11:45	The informatic road to clinical report from NGS somatic testing <b>Ondřej Brzoň</b>
11:45 - 12:00	Clonal somatic variants in hematopoietic cells in relation to age and stroke <b>Rastislav Slavkovský</b>
12:00 - 12:30	The Value of Comprehensive Genomic Profiling of Metastatic Cancer Using NGS <b>Brigitte Maess</b>



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## EVROPA ROOM

12:30 – 13:30

LUNCH

### **COVID-19: Nemoc plná překvapení / 13:30 – 15:50**

*Chairs: Roman Prymula, Marián Hajdúch*

13:30 - 13:50

Diagnostika infekce virem SARS-CoV-2  
**Pavel Dřevínek**

13:50 - 14:10

Patologie onemocnění COVID-19  
**Radoslav Matěj**

14:10 - 14:30

COVID-19 — když data a informace nejsou totéž  
**Ladislav Dušek**

14:30 - 14:50

Účinnost a reaktogenita vakcín proti COVID-19, máme jinou alternativu jak zastavit pandemii?  
**Roman Prymula**

14:50 - 15:10

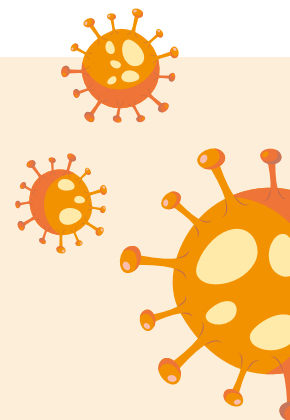
Farmakologická prevence a léčba pacientu  
**Petr Smejkal**

15:10 - 15:30

Pandemie: čím jsme si prošli a kam směřujeme  
**Marián Hajdúch**

15:30 - 15:50

Moderovaná diskuze



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## OLOMOUC ROOM

### **XXIV. Congress of the Czech Society of Histotechnologists**

**15:30 – 17:15**

*Chairs: Jana Vaculová, Daniela Indrová*

15:30 - 15:45

Využití a výhody histotopogramu v histologické diagnostice  
**Kateřina Gospošová**

15:45 - 16:00

Využití histologického zpracování modelů k detekci závažnosti postižení tlustého střeva ulcerózní kolitidou  
**Jozef Škarda**

16:00 - 16:15

Duální nepřímá imunofluorescence na histologických řezech  
**Alena Poláková**

16:15 - 16:30

Multiplexní imunofluorescence v histologii  
**Tereza Hulínová**

16:30 - 16:45

Zpracování tělních tekutin formou cytobloku  
**Lucie Hocková**

16:45 - 17:00

Informace k přípravě kompetenčních modelů  
**Miroslava Lamplotová**

17:00 - 17:15

Informace z výboru ČSHL  
**Jana Vaculová, Pavla Krystková**

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## EVROPA ROOM

15:50 - 17:00

### POSTER SECTION

*Poster presenters are required to be ready for discussions*

19:00

### SOCIAL EVENT

SOBOTA / SATURDAY - 27. LISTOPADU 2021 / 27<sup>TH</sup> NOVEMBER, 2021

## MADRID ROOM

### ***Multiplex imunohistochemistry and data management / 09:00 – 11:30***

*Chairs: Jiří Ehrmann, Jan Bouchal*

9:00 - 9:30

Spatial Phenotyping of Immune Cell Subsets in Patients with Lethal COVID-19

**Paul Murray**

9:30 - 9:45

Awakening of digital pathology in Covid 19 pandemic – time to come to real life

**Jiří Ehrmann**

9:45 - 10:10

Contribution of Digital Pathology in Multidisciplinary Tumor Board Approach Precising Medicine

**Patrik Flodr**



10:10 - 10:25

Artificial Intelligence and Multiplex Bioimaging in Translational Cancer Research

**Mariam Gachechiladze**

10:25 - 10:45

Ultra high content imaging using MICS technology on the MACSima™ Imaging Platform

**Bernd Müller-Zülow**

**BIOHEM**  
produkty pre medicinu

10:45 - 11:00

Introduction to infrastructures for medical data

**Petr Holub**

11:00 - 11:15

ELIXIR Czech Republic – Large Infrastructure for biological data pursuits steps towards personalized medicine

**Jiří Vondrášek**

11:15 - 11:30

Software tools for data stewardship in personalized and translational medicine

**Marián Hajdúch**

11:30 – 11:45

**COFFEE BREAK**

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## MADRID ROOM

### ***Prognostic, predictive and immune response biomarkers / 11:45 – 13:00***

*Chairs: Markéta Kolečková, Jozef Škarda*

11:45 - 12:00	Negative prognostic impact of PD-L1 expression in tumor cells of undifferentiated (anaplastic) carcinoma with osteoclast-like giant cells of the pancreas: study of 13 cases comparing ductal pancreatic carcinoma and review of the literature <b>Jan Hrudka</b>
12:00 - 12:15	Antitumor immune response - significance and recommended procedures for assessing the intensity of tumor-infiltrating lymphocytes / plasma cells (TILs) in solid tumors <b>Markéta Kolečková</b>
12:15 - 12:30	Prognostic value of tumor-infiltrating lymphocytes (TILs) and their association with PD-L1 expression and DNA repair protein RAD51 in patients with resected non-small cell lung carcinoma <b>Jozef Škarda</b>
12:30 - 12:45	Predictive relevance of microRNA in patients with NSCLC undergoing palliative chemotherapy <b>Kateřina Houfková</b>
12:45 - 13:00	LC3A positive “stone like structures” are differentially associated with survival outcomes and CD68 macrophage infiltration in patients with lung adenocarcinoma and squamous cell carcinoma <b>Jozef Škarda</b>
13:00 – 14:00	<b>LUNCH</b>

### ***Molecular pathology / 14:00 – 15:15***

*Chairs: Jana Steigerová, Josef Srovnal*

14:00 - 14:15	Circulating Tumor Cells Detection in Solid Tumors using the CytoTrack instrument <b>Pavel Stejskal</b>
14:15 - 14:30	Key genes and pathways associated with Skp2 and Slug in prostate cancer by bioinformatics analysis <b>Gvantsa Kharashvili</b>
14:30 - 14:45	The cell painting assay <b>Alžběta Srovnalová</b>
14:45 - 15:00	Transcriptomic Profiling Identified Lnc-GOLGA6A-1 as a Negative Prognostic Biomarker for Meningioma Recurrence <b>Hanuš Slavík</b>
15:00 - 15:15	<b>Ceremonial closing and awards for the best oral and poster presentation Sponsored by foundation Cancer Research Czech Republic</b>



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