

T cell workshop 2026

"T cells & friends - the rich tapestry of Immunology"



Program - Thursday 3rd September



9:00

Jiří Hrdý: Welcome message
Viktor Černý: CYI welcome & Organizational message

9:20

MECHANISMS OF IMMUNE DEVELOPMENT & REGULATION

9:20 Radka Roubalová (*Invited talk*) - Microbes after dark: Microbiome, Sleep, and Immunity

9:50 Natálie Fikarová - Therapeutic potential of Sertoli cells in Testicular Inflammation

10:10 Nikola Malinská - From Mother to Offspring: Immune Cell Transfer During Lactation

10:30

Aleš Efenberk (Exbio): Dry Reagents in Flow Cytometry: From Concept to Practical Use

11:45

Refreshment break

11:20

CELL COMMUNICATION & FATE IN IMMUNE REACTIONS

11:20 António Pires da Silva Baptista (*Invited talk*) - Intranodal T cell recruitment for priming

11:50 Veronika Cimermanová - Pathogen type and Route of Infection shape Memory CD8⁺ T cell differentiation and reveal a novel TmX Subset

12:10 Jan Věcek - Diversity and development of RORγt⁺ eTACs

12:30

Riccardo Pasculli (Accela): Expanding the Frontiers of Flow Cytometry and Cell Sorting: Cytex Biosciences Ecosystem and Innovation

12:45

Lunch break

13:45

NOVEL INSIGHTS INTO PATHOLOGIES OF THE IMMUNE SYSTEM

13:45 Eliška Krčmářová - Comparative Analysis of Neutrophils and Complement in Patients with NMOSD and MOGAD

14:05 Bárbara Oliveira Marmello - T cell profile in gut inflammation and tolerance

14:25 Antónia Mikulová - Deciphering the cellular origin of chronic lymphocytic leukemia

14:45

Ondřej Vymazal (Beckman Coulter): Conventional vs. Spectral Flow Cytometry: CytoFLEX Mosaic

15:00

Refreshment break

15:35

ADVANCED METHODS & MODELS IN IMMUNOLOGY

15:35 Andrea Gálisová (*Keynote lecture*) - Programming Extracellular Vesicles for Cancer and Immunotherapy

16:20 Jan Frič (*Keynote lecture*) - Toward personalized NK cell therapy for AML: integrating patient and donor profiling with advanced organoid models of the leukemia microenvironment

17:05 Jan Musil (*Invited talk*) - Evaluation of fluorochromes for spectral cytometry assay development

17:35

Ondřej Pelák (Waters/BD): Explore the future of spectral flow cytometry

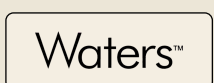
17:50

Viktor Černý: Conclusions & Day 2 information

18:00

Discussion & Networking with a glass of wine

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Program – Friday 4th September



9:00

Institute of Clinical Immunology and Allergology, First Faculty of Medicine (Studničkova 7, Albertov, Prague)
Organizational introduction & Infomation about the venues

9:10

Transfer to the venues

Faculty of Science - Viničná Microscopy Core Facility (VMCF)	The Institute of Hematology and Blood Transfusion	Institute of Clinical Immunology and Allergology
Viničná 7, Prague 2	Kateřinská 19, Prague 2	Studničkova 7, Prague 2
<u>Josef Janda, Aleš Efenberk</u> Practical demonstration of dry reagents in Flow Cytometry: DryFlowEx TBNK+ MonoDR 9-color (RUO) measured with CytoFLEX flow cytometer	<u>Ondřej Šebesta, Nikola Malinská</u> Virtual slide microscopy (Axioscan), confocal microscopy and light-sheet fluorescence microscopy (LSFM) of intestinal samples from MHC II-EGFP knock-in mice and MHC II-EGFP knock-in mice crossed with a tdTomato reporter line	<u>Jan Musil, Antonín Ptáček</u> BD FACS Discover S8 imaging spectral sorter: combining spectral setup with image analysis for cell sorting of human PBMC
		<u>Riccardo Pasculli (Accela)</u> More than 20 Years of Microcapillary Flow Cytometry: Cytex Guava's innovation <u>Ondřej Pelák (Waters)</u> Beyond conventional data analysis in FlowJo

9:30

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11:30

11:35

Block 2	Block 2	Block 2	Block 2
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13:35

13:40

Lunch break

14:25

Block 3	Block 3	Block 3
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16:25

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