

25. 4. 2024



MBU



DAY OF IMMUNOLOGY 2024 – DEN IMUNOLOGIE 2024

The Czech Immunological Society in collaboration with the Institute of Microbiology of the CAS and the Italian Embassy and Italian Institute of Culture in Prague

Lecture hall of the Institute of Physiology of the CAS, Videnska 1083, Prague 4 – KRC

Program

8:30-9:00 Registration

9:00 – 9:10 Welcome and introduction: **Vannucci L.**, President of the CIS

Part 1 - Chairpersons: **Radka Roubalová and Jiří Hrdý**

Winners of the “M. Pospíšil - M. Campa - F. Mosca Award”

9:10 - 9:40 Fučíková J.: An Autologous Dendritic Cell Vaccine Promotes Anticancer Immunity in Patients with Ovarian Cancer with Low Mutational Burden and Cold Tumors

Fucikova J, Hensler M, Kasikova L, Lanickova T, Pasulka J, Rakova J, Drozenova J, Fredriksen T, Hraska M, Hrnčiarova T, Sochorova K, Rozkova D, Sojka L, Dundr P, Laco J, Brtnický T, Praznovec I, Halaska MJ, Rob L, Ryska A, Coosemans A, Vergote I, Cibula D, Bartunkova J, Galon J, Galluzzi L, Spisek R.
An Autologous Dendritic Cell Vaccine Promotes Anticancer Immunity in Patients with Ovarian Cancer with Low Mutational Burden and Cold Tumors. Clin Cancer Res. 2022 Jul 15;28(14):3053-3065. doi: 10.1158/1078-0432.CCR-21-4413. PMID: 35536547 IF: 11.5

20 min + 10 min discussion

9:40 – 10:10 Kanderová V.: Early-onset pulmonary and cutaneous vasculitis driven by constitutively active SRC-family kinase HCK

Kanderova V, Svobodova T, Borna S, Fejtikova M, Martinu V, Paderova J, Svaton M, Kralova J, Fronkova E, Klocperk A, Pruhova S, Lee-Kirsch MA, Hornofova L, Koblizek M, Novak P, Zimmermannova O, Parackova Z, Sediva A, Kalina T, Janda A, Kayserova J, Dvorakova M, Macek M, Pohunek P, Sedlacek P, Poh A, Ernst M, Brdicka T, Hrusak O, Lebl J.

Early-onset pulmonary and cutaneous vasculitis driven by constitutively active SRC-family kinase HCK. *J Allergy Clin Immunol.* 2022 Apr;149(4):1464-1472.e3. doi: 10.1016/j.jaci.2021.07.046 IF: 9.26

20 min + 10 min discussion

10:10 – 10:25 Coffee break

Winners of the “J. Šterzl Award”

10:25 – 10:55 Knížková D.: CMTM4 is a subunit of the IL-17 receptor and mediates autoimmune pathology

D. Knizkova#, M.Pribikova#, H. Draberova, T. Semberova, T. Trivic, A. Synackova, A. Ujevic, J. Stefanovic, A. Drobek, M. Huranova, V. Niederlova, O. Tsyklauri, A. Neuwirth, J. Tureckova, O. Stepanek and P. Draber:

CMTM4 is a subunit of the IL-17 receptor and mediates autoimmune pathology. *Nature Immunology* (2022). <https://doi.org/10.1038/s41590-022-01325-9>

20 min + 10 min discussion

10:55 – 11:25 Smetanová J: Očkování u imunokompromitovaných pacientů

J. Smetanova, T. Milota#, M. Rataj, J. Hurnakova, H. Zelena, A. Sediva and R. Horvath:
Immunogenicity and safety of the booster BNT162b2 vaccine in patients with axial spondyloarthritis treated with biological disease-modifying drugs. *Frontiers in Immunology* (2022).13:1010808. doi: 10.3389/fimmu.2022.1010808J.

20 min + 10 min discussion

11:25 – 11:55 Kostovčíková K.: Specific gut bacterial and fungal microbiota pattern in the first half of pregnancy is linked to the development of gestational diabetes mellitus in the cohort including obese women

M. Vavreckova, N. Galanova, M. Kostovcik, O. Krystynik, E. Ivanovova, R. Roubalova, Z. J. Zakostelska, D. Friedecky, J. Friedecka, M. Haluzik, D. Karasek and K. Kostovcikova:

Specific gut bacterial and fungal microbiota pattern in the first half of pregnancy is linked to the development of gestational diabetes mellitus in the cohort including obese women. *Frontiers in Endocrinology* (2022). 13:970825. doi: 10.3389/fendo.2022.970825

20 min + 10 min discussion

11:55 – 13:00 LUNCH

Part 2 - Chairperson: Luca Vannucci

13:00 – 13:45 Invited lecture: Prof. Adriana Albini, European Institute of Oncology, Milan, Italy; Digital Institute for Cancer Outcomes Research, Brussels, Belgium; Chair of "Cancer Prevention Working Group-CPWG" of AACR (American Association for Cancer Research):

Nutrition and physical activity for immunology and prevention.

13:45 – 14:00 Question time

14:00 – 14:30 Piano concert (Duo Mgr. art. Lucia Biřová, ArtD. & Mgr. art. Dana Miklořová)

14:30 – 14:45 Conclusion of the DoI and farewell drink



A promotional banner for the International Day of Immunology. The top half has an orange background with the text "Join IUIS to raise awareness!" in white, followed by "International Day of Immunology" in white. Below this, a white box contains the text "Immunity Through the Ages: Navigating the Science of Aging and Immunology" in black. The bottom half of the banner has a blue background with the hashtags "#DayofImmunology" and "#ImmunityandAging" in white. In the top right corner of the orange section, there is a calendar icon and the date "APRIL 29, 2024".