

Invariant NKT cells in research and clinical practice

February 14-15, 2025

2nd Faculty of Medicine, Kampus Plzeňská

Plzeňská 311, 150 06 Praha 5-Motol, Česko

Free registration for students/employees of Charles University

Please, register here:

<https://forms.gle/Leffoi2wabSjtPZh7>

Registration includes the access to the conference, social event, lunches and coffee-breaks

PROGRAM

*Program subject to change

DAY 1, February 14

Session I

Chairs: Monika Holubová (Charles University, Czech Republic), Dominik Schneidawind (University Hospital Zurich, Switzerland)

8:30	Welcome	Monika Holubova Charles University, Czech Republic CiRT co-founder	
8:45	Opening remarks	Antonia Rotolo University of Pennsylvania, United States CiRT co-founder	
9:00	Keynote lecture	Giulia Casorati San Raffaele Scientific Institute, Italy	TBS
9:30	Short Talk	Melissa Mavers Washington University School of Medicine, United States	Diversity in human iNKT cells across immunologically relevant hematologic tissues
9:45	Short Talk	Mads Clausen Technical University of Denmark, Denmark	Alpha-galactosyl ceramide as adjuvant in vaccines for cancer and infectious disease
10:00	Sponsors presentation	Biovendor/Sartorius	
10:10	Coffee break		

Session II

Chairs: Mark Exley (MiNk Therapeutics, United States), Gloria Delfanti (San Raffaele Scientific Institute, Italy)

10:40	Keynote lecture	Anastasios Karadimitris Imperial College London, UK	TBS
11:10	Keynote lecture	Jenny Gumperz University of Wisconsin School of Medicine and Public Health, United States	TBS
11:40	Short Talk	Tonya Webb Washington University in St. Louis School of Medicine, United States	Modulating lipid metabolism to enhance antitumor NKT cell responses

- 11:55 **Short Talk** **Robson Dossa**
Arovella Therapeutics, Australia **Development of CAR-iNKT cells for the treatment and haematological malignancies and solid tumours**
- 12:10 **Sponsors presentation** **Exbio**
- 12:20 **Lunch**

Session III

Chairs: Francesco Strati (University of Milano-Bicocca, Italy), Mariolina Salio (Immunocore LTD, United Kingdom)

- 13:30 **Keynote lecture** **Leonid Metelitsa**
Baylor College of Medicine, United States **TBS**
- 14:00 **Keynote lecture** **Mark Exley**
MiNK Therapeutics Inc., United States **TBS**
- 14:30 **Short Talk** **Fátima Macedo**
University of Algarve, Portugal **Human iNKT cells induce activation and subset-dependent cell death of macrophages**
- 14:45 **Short Talk** **Lilin Zhang**
BrightPath Biotherapeutics Co., Ltd., Japan **iPSC-derived HER2 CAR-iNKT cells boost anti-tumor activity of CTLs in a tumor xenograft mouse model**
- 15:00 **Sponsors presentation** **Miltenyi Biotec**
- 15:10 **Coffee break**

Session IV

Chairs: Qing-Sheng Mi (Henry Ford Health, United States), Antonia Rotolo (University of Pennsylvania, United States)

- 15:40 **Keynote lecture** **Lili Yang**
University of California, United States **TBS**
- 16:10 **Special Guest Presentation** **Nature Biotech**
- 16:25 **Elevator Pitch** **Naeimeh Tavakolinia**
University of Melbourne, Australia **iNKT cells develop through a 4-stage pathway in human**
Sarah Ferguson
University of Wisconsin School of Medicine and Public Health, United States **Analysis of iNKT-DC adjuvancy mechanisms through RNAseq**
Li Zhou
Henry Ford Health, United States **Histone deacetylase 3 controls multiple key aspects of iNKT cell development**
- 16:45 **Poster walk**
- 18:00 **SOCIAL EVENT** **Networking in Carolinum - tour and reception**

DAY 2, February 15

Session V

Chairs: Tomáš Kříž (Charles University, Czech Republic), Federico Simonetta (Geneva University Hospitals, Switzerland)

- 9:00 **Short Talk** **Tai-Na Wu**
Agricultural Biotechnology Research Center, Taiwan **Galactolipids inhibit Triple-Negative Breast Cancer Growth through reprogramming the tumor microenvironment**

9:15 Keynote lecture **Marie-Therese Rubio** **TBS**
Nancy University Hospital, France

9:45 Keynote lecture **Dominik Schneidawind** **TBS**
University Hospital Zurich, Switzerland

10:15 Coffee break

Session VI

Chairs: Lucie Houdová (University of West Bohemia, Czech Republic), Tereza Coman (Gustave Roussy, France)

10:45 Keynote lecture **Federico Simonetta** **TBS**
Geneva University Hospitals, Switzerland

11:15 Short Talk **Tereze Dekojová** **iNKT for the prevention and treatment of post-transplant complications**
University Hospital Pilsen, Czech Republic

11:30 Short Talk **TBS** **Management of multicentric clinical studies**
Czecrin, Czech Republic

11:45 Best posters award ceremony

12:00 Future direction of CiRT **Lucie Houdová**
University of West Bohemia, Czech Republic, CiRT co-founder

12:20 Lunch to go

MORE INFORMATION ABOUT KEYNOTE SPEAKERS CAN BE FOUND ON THE WEBSITE

<https://meeting2025.cirt-net.org/speakers.html>