

Wednesday  
June 5<sup>th</sup> 2024

DKFZ, Communication Center,  
Heidelberg

dkfz.

GERMAN  
CANCER RESEARCH CENTER  
IN THE HELMHOLTZ ASSOCIATION

# NEW FRONTIERS IN IMMUNOLOGY, INFECTION AND CANCER

09:00 **Welcome: by Michael Platten and Tim Waterboer**

## Session 1: T cells in infection and cancer

**Veit Buchholz**, *Technical University of Munich*

*“Stem-like lymphocytes at the origin of adaptive immunity to infection and malignancy”*

**Petra Bacher**, *University Hospital Schleswig-Holstein*

*“Shaping of CD4<sup>+</sup> T cell responses against ALL neoantigens by cross-reactivity to microbiota”*

**Anne van der Leun**, *Dana-Farber Cancer Institute*

*“Determinants of an effective anti-tumor T cell response”*

## Selected poster talks

11:00 *Coffee Break*

11:30 **Session 2: Lymphatics and blood vessels**

**Ulrich von Andrian**, *Harvard Medical School*

*“Endothelial cell specialization and microvascular segmentation — challenges and opportunities for drug delivery, inflammation and cancer”*

**Maria Bernabeu**, *EMBL Barcelona*

*“Bioengineered blood-brain barrier models to study malaria pathogenesis”*

## Selected poster talks

12:45 *Lunch Break*

13:45 **Session 3: Modelling immunity**

**Nikolche Gjorevski**, *Institute f. Human Biology, Roche*

*“From organoids to organs: engineering immune responsiveness into organoid models”*

**Sanket Rane**, *Herbert and Florence Irving Institute for Cancer Dynamics*

*“Through the Mosaic-Glass: Scoping immune heterogeneity across lymphatic space and time”*

**Jennifer Oyler Yaniv**, *Harvard Medical School*

*“The Spread of Interferon- $\gamma$  in Melanomas is Highly Spatially Confined, Driving Non-Genetic Variability in Tumor Cells”*

## Selected poster talks

15:30  
17:00

**Poster session 1** *with drinks & snacks*

Registration: <https://indico.dkfz.de/e/iic-symposium>  
E-mail: [iic.symposium@dkfz.de](mailto:iic.symposium@dkfz.de)



Symposium

Immunology, Infection & Cancer

Thursday  
June 6<sup>th</sup> 2024

DKFZ, Communication Center,  
Heidelberg

dkfz.

GERMAN  
CANCER RESEARCH CENTER  
IN THE HELMHOLTZ ASSOCIATION

# NEW FRONTIERS IN IMMUNOLOGY, INFECTION AND CANCER

09:30 **Poster session 2**  
*with coffee & snacks*

11:00 **Session 4: Immunoreceptors and antigens**  
**Sebastian Ols**, *University of Washington*  
*“Interrogating B cell selection with designed proteins”*  
**Susana Minguet**, *University of Freiburg*  
*“From the basic mechanism of TCR activation to innovative immunotherapies”*  
**Selected poster talks**

12:15 *Lunch Break*

13:15 **Session 5: Microenvironment**  
**Elisabeth Letellier**, *University of Luxembourg*  
*“The complex role of the tumor microenvironment in colorectal cancer: from fibroblasts to the gut microbiome”*  
**Jonathan Bohlen**, *Imagine Institute, Paris*  
*“Autoinflammation in patients with leukocytic CBL loss-of-heterozygosity is caused by constitutive ERK-mediated monocyte activation”*  
**Selected poster talks**

14:35 *Coffee Break*

15:05 **Session 6: Viruses in cancer**  
**Daniel Blanco-Melo**, *Fred Hutch Cancer Center*  
*“Understanding the diverse roles of human endogenous retroviruses in cancer”*  
**Daniel De Carvalho**, *Princess Margaret Cancer Centre*  
*“Regulation of Endogenous Retroelements as an Emerging Vulnerability and Therapeutic Opportunity in Cancer”*  
**Adam Grundhoff**, *Leibniz-Institut for Virology (LIV)*  
*“(Epi)genomics of Tumorigenic Herpes- and Polyomavirus Infections”*  
**Selected poster talks**

16:45 **Closing remarks**

Registration: <https://indico.dkfz.de/e/iic-symposium>

E-mail: [iic.symposium@dkfz.de](mailto:iic.symposium@dkfz.de)



Symposium  
**Immunology, Infection & Cancer**