

## CHAIRS AND CONFIRMED SPEAKERS

### Chairs

Florian Bassermann (Technical University of Munich/DE)  
Maïke Buchner (Technical University of Munich/DE)  
Julia Hauer (Technical University of Munich/DE)  
Simon Heidegger (Technical University of Munich/DE)  
Mathias Heikenwälder (German Cancer Research Center/DE)  
Julia Jellusova (Technical University of Munich/DE)  
Hendrik Poeck (University Hospital Regensburg/DE)  
Roland Rad (Technical University of Munich/DE)  
Jürgen Ruland (Technical University of Munich/DE)  
Dieter Saur (Technical University of Munich/DE)  
Marc Schmidt-Supprian (Technical University of Munich/DE)  
Barbara Schraml (Ludwig-Maximilians-University Munich/DE)  
Oliver Weigert (Laboratory for Experimental Leukemia and Lymphoma Research (ELLF/DE)

### Confirmed Speakers

Andrea Ablasser (Ecole polytechnique fédérale de Lausanne/CH)  
Theodore Alexandrov (European Molecular Biology Laboratory/DE)  
Timothy Chan (Cleveland Clinic/US)  
Triantafyllos Chavakis (Technische Universität Dresden/DE)  
Florian Greten (Georg-Speyer-Haus/DE)  
Nir Hacohen (Broad Institute of MIT and Harvard/US)  
Ping-Chih Ho (University of Lausanne/CH)  
Michael Hölzel (University Hospital Bonn/DE)  
Russel Jones (Van Andel Institute/US)  
Ari M. Melnick (Weill Cornell Medicine/US)  
Andy J. Minn (Abramson Family Cancer Research Institute/US)  
Teresa Palomero (Columbia University/US)  
Caetano Reis e Sousa (The Francis Crick Institute/UK)  
David M. Weinstock (Dana-Farber Cancer Institute/US)

## GENERAL INFORMATION

- **Venue and Date**  
VIRTUAL  
02–03 December 2021
- **Conference Website**  
[www.crc1335-symposium.de](http://www.crc1335-symposium.de)
- **Digital Conference Platform**  
[www.crc1335-symposium-digital.de](http://www.crc1335-symposium-digital.de)
- **Conference Language**  
The official conference language is English.
- **Scientific Organizer**  
CRC 1335 – Aberrant Immune Signals in Cancer
- **Conference Chair**  
Jürgen Ruland  
(Technical University of Munich)
- **Scientific Organizing Committee**  
Florian Bassermann (Technical University of Munich)  
Maïke Buchner (Technical University of Munich)  
Mathias Heikenwälder (German Cancer Research Center)  
Veit Hornung (Maximilians-Universität München)  
Hendrik Poeck (University Hospital Regensburg)  
Jürgen Ruland (Technical University of Munich)  
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# ABERRANT IMMUNE SIGNALS IN CANCER

INTERNATIONAL SYMPOSIUM 2021

02–03 December 2021 | VIRTUAL

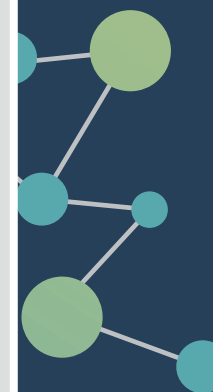
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# ABOUT THE CONFERENCE

Dear Colleagues,

We would like to draw your attention to the upcoming International Scientific Symposium of our Collaborative Research Center CRC 1335, "Aberrant Immune Signals in Cancer" on 2nd/3rd December, and we would like to invite you to join this special virtual event.

The field of immuno-oncology has introduced novel concepts for the treatment of cancer that harness the power of the immune system to detect and destroy malignant cells. However, dysfunctional signals in the immune system can suppress antitumor immune responses and drive the development of cancer by creating tumor-promoting inflammatory environments.

Moreover, oncogenic mutations within immune cells that deregulate immune receptor signaling pathways are frequent causes of leukemias and lymphomas.

To address key questions and current concepts on tumor-immune-cell interactions, mechanisms of malignant lymphocyte transformation and ongoing efforts that exploit immune signals for cancer therapies, we will bring together world-leading immunologists and cancer researchers.

Furthermore, the conference will cover state-of-the-art technologies that explore immune function and metabolism in cancer at the organism, tissue, and cellular level.

We are very much looking forward to welcoming you at our symposium.

With best wishes,

Jürgen Ruland  
Spokesperson of the CRC 1335

On behalf of the organizing committee:  
Florian Bassermann, Maïke Buchner, Mathias Heikenwälder,  
Veit Hornung, Hendrik Poeck, Jürgen Ruland,  
Marc Schmidt-Supprian



# SCIENTIFIC PROGRAM

**02 December 2021 | Thursday**

**1:00–1:10 pm Welcome and Introduction**  
Jürgen Ruland

**1:10–2:40 pm Immune Metabolism in Cancer**  
Chairs  
Mathias Heikenwälder, Julia Jellusova

1:10–1:30 pm Friend or Foe – Lipid Metabolism in  
Tumor-associated Macrophages  
Ping-Chih Ho

1:40–2:00 pm Spatial Single-cell Metabolomics Reveals  
Metabolic Cell States  
Theodore Alexandrov

2:10–2:30 pm Environmental impact on T cell metabolism  
Russel Jones

2:40–3:00 pm Break

**3:00–4:30 pm Immune Signals and Targets in Lymphoma**  
Chairs  
Maïke Buchner, Julia Hauer

3:00–3:20 pm Mechanisms of Transformation in Peripheral  
T-cell Lymphomas  
Teresa Palomero

3:30–3:50 pm Targeting Malignant T cells – Opportunities  
and Challenges  
David M. Weinstock

4:00–4:20 pm Epigenetic mechanisms driving transformation of  
the immune system  
Ari M. Melnick

4:30–4:50 pm Break

**4:50–6:45 pm Immune Recognition of Cancer Cells**  
Chairs  
Barbara Schraml, Simon Heidegger

4:50–5:10 pm How Immune Cells Recognize and Target Tumor Cells  
Timothy Chan

5:20–5:40 pm Exploring Principles of T-cell Therapy in Melanoma  
Michael Hölzel

**Keynote Lecture**  
5:50–6:30 pm Necrophagia, DaNGeRous Indigestion and  
Immunity to Cancer  
Caetano Reis e Sousa

**03 December 2021 | Friday**

**1:00–2:30 pm Innate Immunity and Inflammation in Cancer**  
Chairs  
Dieter Saur, Marc Schmidt-Supprian

1:00–1:20 pm Trained Granulopoiesis in Cancer  
Triantafyllos Chavakis

1:30–1:50 pm Cell Plasticity in Colorectal Carcinogenesis  
Florian Greten

2:00–2:20 pm Sensing DNA as a Danger Signal Through  
the cGAS-STING Pathway  
Andrea Ablasser

2:30–2:50 pm Break

**2:50–4:15 pm Immune Recognition of Cancer Cells**  
Chairs  
Oliver Weigert, Hendrik Poeck

2:50–3:10 pm Decoding and Recoding the Opposing Roles  
of Interferon and Pattern Recognition Receptor  
Signaling in Cancer Immunotherapy  
Andy J. Minn

**Keynote Lecture**

3:20–4:00 pm Cell Types, States and Programs Underlying  
Human Immune Response  
Nir Hacohen

**4:15 pm Closing Remarks**  
Florian Bassermann

