

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 Heikenwalder (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)
Jurgen 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 federale de Lausanne/CH)
Theodore Alexandrov (European Molecular Biology Laboratory/DE)
Timothy Chan (Cleveland Clinic/US)
Triantafyllos Chavakis (Technische Universitat 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 Holzel (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
- **Digital Conference Platform**
www.crc1335-symposium-digital.de
- **Conference Language**
The official conference language is English.
- **Scientific Organizer**
CRC 1335 – Aberrant Immune Signals in Cancer
- **Conference Chair**
Jurgen Ruland
(Technical University of Munich)
- **Scientific Organizing Committee**
Florian Bassermann (Technical University of Munich)
Maïke Buchner (Technical University of Munich)
Mathias Heikenwalder (German Cancer Research Center)
Veit Hornung (Maximilians-Universitat Munchen)
Hendrik Poeck (University Hospital Regensburg)
Jurgen Ruland (Technical University of Munich)
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ABERRANT IMMUNE SIGNALS IN CANCER

INTERNATIONAL SYMPOSIUM 2021

02–03 December 2021 | VIRTUAL

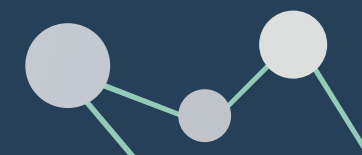
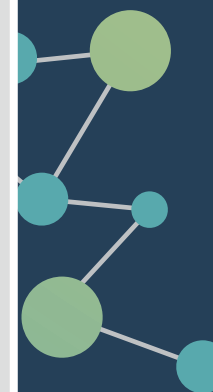
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Technical University of Munich



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 Tba
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

