

3rd Symposium by HI-TRON Mainz May 15, 2025

Lecture Hall of the Max Planck Institute for Polymer Research
Ackermannweg 10, 55128 Mainz.

PROGRAM

- 09:30 Registration and Welcome Coffee
- 10:00 Opening by Michael Baumann
- 10:10 Keynote Lecture by Cornelis M. Melief
- 10:50 Perspective and Current Developments in the Mainz
Research Landscape by Michael Maskos
(Chairman of the Mainz Science Alliance)
- 11:00 Session 1: Cutting-edge Tissue and ImmunoTech
Chair: Niels Halama
- 12:30 Lunch Break with
Poster Session of technology platforms and technology development
- 14:00 Session 2: Development of Cellular Interventions and
Breakthrough Immunotherapies
Chair: Thomas Kindler
- 15:30 Coffee break with
Poster Session of translational projects
- 16:30 Session 3: Integrated Patient Data Analyses
Chair: Stefan Tenzer
- 17:30 Young investigator talk by Hafsa Munir
Chair: Özlem Türeci
- 18:00 Closing Session

Organizer:

dkfz. DEUTSCHES
KREBSFORSCHUNGSZENTRUM
IN DER HELMHOLTZ-GEMEINSCHAFT

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Science in Translation

SESSION PROGRAM

Session 1: Cutting-edge Tissue and ImmunoTech

Chair: Niels Halama

TBD

Stefan Tenzer, HI-TRON Division "Immunoproteomics" and UMC Mainz

Investigating TCR T Cell Migration and Cytotoxicity Using 3D Bioprinting

Xu Holtkotte, HI-TRON Division "Tumor Immunology and Tumor Immunotherapy"

Lipid Nanoparticle Technology as Versatile Delivery System for Nucleic Acid Therapeutics

Jannis Wißfeld, HI-TRON Division "mRNA Cancer Immunotherapies"

Modelling Gastric and Pancreatic Tissue in Development and Disease

Andrea Eiken, HI-TRON Junior Research Group "Dermal Oncoimmunology"

Recent Developments at the HI-TRON Platforms for Immunopeptidomics, Cellular Phenotyping and Cellular Therapies

Claire Conche, David Gomez-Zepeda and Michael Volkmar, HI-TRON Technology Platforms

Session 2: Development of Cellular Interventions and Breakthrough Immunotherapies

Chair: Thomas Kindler

Expanding the Frontiers of Immunotherapy: mRNA Engineering, ADCs, and Tumor-Immune Interactions

Ibrahim Sektioglu, HI-TRON Division "Personalized Immunotherapies"

Targeting Chromatin Complexes to Sensitize Leukemia for Cellular Immunotherapy

Michael Kühn, Department of Internal Medicine III (Hematology, Oncology, Pneumology), UMC Mainz

Targeting Metastatic Microsatellite Stable Colorectal and Pancreatic Cancer with Immunotherapy

Niels Halama, HI-TRON Division "Tumor Immunology and Tumor Immunotherapy" and UMC Mainz

Episomal TCR-engineered T cell therapy for Glioblastoma

Lukas Bunse, German Cancer Research Center (DKFZ), Heidelberg and Neurology Clinic, University Hospital Mannheim

Session 3: Integrated patient data analyses

Chair: Stefan Tenzer

Integration of Omics Data for Immunotherapy Biomarker and Target Discovery

Alexandra Alves Duarte, HI-TRON Division "mRNA Cancer Immunotherapies"

Tumor-specific Transcript Variants as Novel T-cell Antigen Candidates

Jonas Ibn-Salem, TRON gGmbH Mainz

HI-TRON Mainz Data Portal:

Connecting Diverse Data Pipelines for a Collaborative Metadata Sharing

Nabe Al-Hasnawi and Ivan Baksic, HI-TRON Mainz Data Architecture Platform

Quantum Computing in Oncology

Florian Heining, HI-TRON Division "Tumor Immunology and Tumor Immunotherapy"

