

SFB 900 Seminar Series

ALL GUESTS ARE WELCOME

TITLE

Adoptive Transfer of Virus-Specific T Cells in the Immunocompromised Host

SPEAKER

Prof. Tobias Feuchtinger, Head of the Department of Pediatric Hematology, Oncology, Stem Cell Transplantation and Hemostaseology, Clinic of the University of Munich, LMU Munich

LOCATION

Digital Lecture via video conference

[Link](#)

05.05.
2022

5.00 PM (s.t.)

» Reserach of Tobias Feuchtinger

The research group of Tobias Feuchtinger has four main topics: 1) Adoptive T-cell transfer – Virus-specific T cells, 2) Interaction of pediatric leukemia with immune cells, 3) Immunotherapy of acute leukemia – innovative CAR T cells and 4) Advanced T-cell engineering.

On the topic of adoptive T-cell tranfer they discribe their focus as follows: Hematopoietic stem cell transplantation (HSCT) cures a variety of diseases, such as rare genetic disorders or leukemia, but it exposes patients to a severe transient immune deficiency. Refractory viral infections post HSCT such as Cytomegalovirus (CMV), Epstein-Barr virus (EBV) and Adenovirus (AdV) infections are life-threatening conditions lacking effective treatment options. Protective T-cell immunity could be restored by adoptive transfer of virus-specific T cells: Virus-specific T cells are generated from blood cells of healthy donors and infused into the patients, where they are re-stimulated by the viral infection, expand effectively and induce viral clearance as well as sustained protection. We are working on the translation of advanced T-cell transfer approaches into clinical routine to provide these life-saving treatment options even for highest risk patients. (www.trace-study.de)

Prof. Britta Maecker-Kolhoff
Clinic for Pediatric Hematology and Oncology, MHH
Tel.: 0511 532-6747
Maecker.Britta@mh-hannover.de

Dr. Maike Hinrichs
Institute of Virology, MHH
Tel.: 0511 532-19822
SFB900.Sekretariat@mh-hannover.de