

TUM-IAS Focal Period 2016

International Symposium for

Clinical Cell and Tissue Engineering

20 September 2016, 10 am – 4 pm

Location: TUM University Hospital Klinikum r. d. Isar
Lecture Hall Pavillon, Ismaninger Str. 22, 81675 München

10:00 h
Opening

Prof. Dr. Peter Henningsen
Dean of the Faculty of Medicine

Dr. Ana Santos Kühn
Managing Director of TUM-IAS

Prof. Dr. Dietmar Hutmacher and Prof. Dr. Dirk Busch
Organizers

Session 1:

Chair: Dietmar Hutmacher

10:30 – 11:00 h

Michael Jensen
Seattle Children's Research Institute, Seattle/USA
CAR T cell Manufacturing- can it be done in a day?

11:00 – 11:30 h

Robert Guldberg
Parker H. Petit Institute for Bioengineering and Bioscience, Atlanta/USA
Advanced Manufacturing of Cells: Challenges, Barriers and a Roadmap for Making Cell Therapies Reproducible, Reliable, Cost-Effective, and Accessible

11:30 – 12:00 h

Luca Gattinoni
Center for Cancer Research National Cancer Institute, Bethesda/USA
Harnessing T memory stem cells for adoptive cell transfer therapy of cancer"

12:00 – 12:30 h

Nico Voelcker
University of South Australia Future Industries Institute, Adelaide/Australia
Novel Material Platforms for T cell expansion

12:30 – 13:30 h

Lunch

Session 2: **Chair: Dirk Busch**

13:30 h – 14:00 h **Alexander Marson**
University of California, San Francisco/USA

Engineering Human T Cell Circuitry

14:00 h – 14:30 h **Kevin Healy**
*Department of Materials Science and Engineering University of California,
Berkeley/USA*

**Organs-on-a-Chip for Drug Discovery, Disease Modeling, and Personalized
Medicine**

14:30 h – 15:00 h **Stanley Riddell**
Seattle Children's Research Institute, Seattle/USA

Cell composition and CAR designs for cancer immunotherapy

15:00 h – 15:30 h **Heike Walles**
*Lehrstuhl Tissue Engineering und Regenerative Medizin (TERM),
Universitätsklinik Würzburg/GERMANY*

Engineering of complex, vascularized tissues

15:30 h **Closing remarks**

After the Symposium departure to Theresienwiese for

Oktoberfest visit – Schützen-Festzelt (Galery)

Organizers:

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