



May 14<sup>th</sup> - 15<sup>th</sup>

2025

Medical University  
of Graz

## Sessions

- Biomaterial & Cell Culture
- 3D Culture & Organoids
- Cell Treatment & Metabolism & Immune Cells
- Cell Banks & Primary Cells & Cell Models
- Cell Immunity

Several Workshops

## Registration

- Regular: € 170,00\*
- Member: € 150,00\* (RepRefRed Society, ÖGfZ)

\* social evening included



Registration [Link](#)

# Preliminary Program

Wednesday  
May 14

**8:15 - 9:00 REGISTRATION**

**9:00 - 9:15 WELCOME COFFEE**

**9:15 - 11:00 SESSION I Biomaterial & Cell Culture**

- New Approaches for Crosslinking and 3D Printing of Hydrogels - **Rupert Kargl**
- Development of Apatite-based Materials for the Bone Graft and Cancer-killing Applications - **Vincent Irawan**
- In- Air Microfluidics for Tissue Engineering - **Carole Planchette**
- Bridging the Gap: Patient-Derived Skin Biopsies for Advanced Wound Healing Models - **Petra Kotzbeck**
- Role of Mast Cells in Response to Candida Albicans Infections - **Monika Staniszewska**

**11:00 - 11:15 COFFEE BREAK**

**11:15 - 13:15 SESSION II 3D Culture & Organoids**

- Modeling Nutrient Restriction In Vitro - **Jelena Krstic**
- Autologous Tumor Models - **Djenana Vejzovic**
- Modeling the Tumor Microenvironment in Advanced Patient-derived Tumoroids - **Gerda Egger**
- The IL-23/IL-17 Axis in Lung Inflammation - **Eva Böhm**
- Seeing Cells in a New Light: Next-Generation Biosensors for Signaling and Metabolism - **Yusuf Ceyhun Erdogan**
- Genome Engineering Approaches to Model Myeloid Leukemogenesis - **Johannes Fosselteder**

**13:15 - 14:15 LUNCH**

**14:15 - 15:45 WORKSHOP SESSION I**

- A) The Importance of High-Quality hPSC Cultures - Maintenance, Assessment and Implications of hPSC Culture Quality  
**Christina Karner & Katharina Debowski**
- B) Reproducibility in Cell Culture: Mastering Challenges with hands-on Tips & Tricks  
**Philipp Paulitschke**
- C) Functional and Metabolic Assays in Liver Organoids  
**Jelena Krstic**
- D) Gene Editing Tools  
**Johannes Fosselteder**

**15:45 - 16:00 COFFEE BREAK**

**15:00 - 17:30 WORKSHOP SESSION II**

- A) Measuring and Modulating Cell Death  
**Michael Dengler**
- B) Gene Editing Tools  
**Johannes Fosselteder**
- C) Functional and Metabolic Assays in Liver Organoids  
**Jelena Krstic**

**SOCIAL PROGRAM AND DINNER**

„Climb the Grazer Schlossberg“ in different ways

# Preliminary Program

Thursday  
May 15

## 9:00 - 10:45 SESSION III Cell Treatment & Metabolism & Immune Cells

- BruslQ a New Treatment Option for High Grade B Cell Lymphoma - **Martha Szmyra-Polomka**
- Oncolytic Adenovirus Immunotherapy for Mesothelioma: Mechanisms, In Vitro Studies, and Preclinical Evidence - **Lukas Kuryk**
- Lipid Emulsions as a Paradigm Shift in Chemotherapy - **Birgit Steiner-Zitzenbacher**
- Which Mast Cell Model Fits Best for My Research? - **Andrea Teufelsberger**
- In Vitro Modelling of B Cell Development from Hematopoietic Stem Cells to Plasma Cells - **Franziska Schmidt**

## 10:45 - 11:00 COFFEE BREAK

## 11:00 - 12:45 SESSION IV Cellbanks & Primary Cells & Cell Models

- The CellBank Graz - **Beate Rinner**
- Banking Workflows of Tumor and iPS Cell Lines at the DSMZ - **Laura Steenpass**
- Human Telomerized Cell Lines for the Establishment of Relevant and Standardizable In Vitro Tests and for Production of Extracellular Vesicles - **Regina Grillari**
- Unmasking Microbial Infections with Human Respiratory Barrier Models - **Doris Wilflingseder**

## 12:45 - 13:45 LUNCH

## 13:45 - 15:30 SESSION V Cell Immunity

- NR4A1 Regulates Anti Tumor Immune Responses in Aggressive Lymphoma - **Alexander Deutsch**
- Microscopic Assessment of T-cell Cytotoxicity Utilizing Co-Culture Approaches - **Helmut Bischof**
- Retrieval and Characterisation of Cancer-Specific TCRs - **Lea Knezevic**
- Engineering CAR T Cells vs. AML - **Jan Müller**

## 15:30 - 15:45 COFFEE BREAK

## 15:45 - 17:15 WORKSHOP SESSION III

- A) The Importance of High-Quality hPSC Cultures - Maintenance, Assessment and Implications of hPSC Culture Quality  
**Christina Karner & Katharina Debowski**
- B) Reproducibility in Cell Culture: Mastering Challenges with hands-on Tips & Tricks  
**Philipp Paulitschke**
- C) Measuring and Modulating Cell Death  
**Michael Dengler**

# Speakers Overview

## Scientific Hosts

Beate	Rinner	Medical University of Graz
Alexander	Deutsch	Medical University of Graz

## Speakers

Helmut	Bischof	Medical University of Graz
Eva	Böhm	Medical University of Graz
Katharina	Debowski	Stemcell Technologies
Michael	Dengler	Medical University of Graz
Gerda	Egger	Medical University of Vienna
Yusuf Ceyhun	Erdogan	Medical University of Graz
Johannes	Foßelteder	Medical University of Graz
Regina	Grillari	Evercyte, Vienna
Vincent	Irawan	Technical University of Munich
Rupert	Kargl	Technical University of Graz
Lea	Knezevic	Medical University of Vienna
Petra	Kotzbeck	Joanneum Reserach
Jelena	Krstic	Medical University of Graz
Lukas	Kuryk	University of Helsinki
Jan	Müller	Medical University of Innsbruck
Philipp	Paulitschke	Ludwig-Maximilians University of Munich
Carole	Planchette	Technical University of Graz
Franziska	Schmidt	Medical University of Vienna
Monika	Staniszewska	Warsaw University of Technology
Laura	Steenpass	DSMZ, Germany
Birgit	Steiner-Zitzenbacher	Medical University of Graz
Martha	Szmyra-Polomka	Medical University of Graz
Andrea	Teufelberger	Medical University of Graz
Djenana	Vejzovic	Medical University of Graz
Doris	Wilflingseder	VetMed Vienna