

Cell Culture Days 2016

Thursday, 28.04.2016

9:00 – 9:15 WELCOME COFFEE

9:15 – 11:00 *Dynamic and 3D Cell Culture*

Establishment of a 3D respiratory model to study airborne infections
Wilfried Posch

Microfluidics for physiologically relevant cell culture models
Verena Charwat

Organotypic cultures: Methods and examples of applications
Silke Patz

Tools for studying drug transport across the buccal mucosa
Eva Roblegg

Assays to mimic the CLL lymphoid microenvironment and blood stream
Tanja Hartmann

11:00 – 11:15 COFFEE BREAK

11:15 – 12:45 *Immune Cell Culture*

Cell culture models for studying human dendritic cell biology
Izabela Malgorzata Borek

Immunoregulation of T-cells in vitro
Karoline Fechter

Characterization of the novel senescent regulatory T-cell subset in Rheumatoid Arthritis
Johannes Fessler

Magnetic Selection of HA ν V- and EBV-specific T-cells via Streptamers under clinical conditions
Christine Freimüller

12:45 – 13:30 LUNCH

13:30 – 15:00 **WORKSHOPS I**

- Set up of a perfusion culture system
Wilfried Posch
- T-cell culture for research purposes
Karoline Fechter
- Cell migration
Miriam Sedej

15:00 – 15:30 **COFFEE BREAK**

15:30 – 17:00 **WORKSHOPS II**

- 3D cell culture techniques
Verena Charwat
- From bench to bedside (Virus-specific T-cell Immunotherapy)
Julia Stemberger
- Genome editing by using the crisp-cas9 technology
Katharina Fritz

17:00 **SOCIAL PROGRAMM AND DINNER**

Friday, 29.04.2016

9:00 – 9:15 COFFEE

9:15 – 11:00 ***Cell Signalling***

The role of lysosomal tubulation in cell activation and cell death

Robert Fuchs

microRNA23a causes down-regulation of RAF-kinase inhibitor protein in acute myeloid leukemia

Stefan Hatzl

ECIS- a tool for measuring in vitro barrier function

Thomas Bärnthaler

Cannabinoid receptor 2 augments eosinophil responsiveness: practical approaches to evaluate eosinophil function in vitro

Eva Sturm

Human lactoferricin derived peptides induce apoptosis specifically in cancer cells through targeting membranous phosphatidylserine

Dagmar Zwegtück

11:00 – 11:15 COFFEE BREAK

11:15 – 12:45 ***Cell Culture Models***

Cell-culture models to study endothelial activation

Tanja Eichhorn

Pro-coagulant potential of microvesicles

Carla Tripisciano

Modeling inherited neurological disorders

Marion Tschernutter

Cell isolation: from tissue to single cells

Sieghard Sopper

12:45 – 13:30 LUNCH

13:30 – 15:00 WORKSHOPS I

- Set up of a perfusion culture system
Wilfried Posch
- T-cell culture for research purposes
Karoline Fechter
- Cell migration
Miriam Sedej

15:00 – 15:30 **COFFEE BREAK**

15:30 – 17:00 **WORKSHOPS II**

- 3D cell culture techniques
Verena Charwat
- From bench to bedside (Virus-specific T-cell Immunotherapy)
Julia Stemberger
- Genome editing by using the crisp-cas9 technology
Katharina Fritz

Main Sponsors of the Austrian Society for Cytometry



Organizers

Beate Rinner & Alexander Deutsch, Med Uni Graz

Andreas Spittler, Med Uni Wien

General Information

Location

Center for Medical Research, Medical University of Graz,

Stiftingtalstraße 24, 8010 Graz

alexander.deutsch@medunigraz.at

beate.rinner@medunigraz.at

Registration

<http://www.zytometrie.at/aktuelles>

Fee: 100€ (Lunch and dinner included)

80€ Reduced fees for OEGFZ and Biomed Austria members

Accreditation 16 CPD points
16 DF-points

Presenters

Bärnthaler Thomas

Institute of Experimental and Clinical Pharmacology, Medical University of Graz

Borek Izabela Malgorzata

Institute of Pathophysiology and Immunology, Medical University of Graz

Charwat Verena

Institute of Biotechnology, University of Natural Resources and Life Science, Vienna

Eichhorn Tanja

Center for Biomedical Technology and CD-Laboratory, Danube University Krems

Fechter Karoline

CBmed, Medical University of Graz

Fessler Johannes

Division of Rheumatology and Immunology, Medical University of Graz

Freimüller Christine

Clinical Cell Biology and FACS Core Unit, Children's Cancer Research Institute, Vienna

Fritz Katharina

Institute of Pathology, Medical University of Graz

Fuchs Robert

Institute of Pathophysiology and Immunology, Medical University of Graz

Hartmann Tanja

Laboratory for Immunological and Molecular Cancer Research, Cancer Research Institute, Salzburg

Hatzl Stefan

Division of Hematology, Division of Hematology, Medical University of Graz

Patz Silke

Department of Neurosurgery, Medical University of Graz

Posch Wilfried

Division of Hygiene and Medical Microbiology, Medical University of Innsbruck

Roblegg Eva

Pharmaceutical Technology, University of Graz

Sedej Miriam

Institute of Experimental and Clinical Pharmacology, Medical University of Graz

Sopper Sieghard

Flow Cytometry Unit, Medical University of Innsbruck

Stemberger Julia

Clinical Cell Biology and FACS Core Unit, Children's Cancer Research Institute, Vienna

Sturm Eva

Institute of Experimental and Clinical Pharmacology, Medical University of Graz

Tripisciano Carla

Center for Biomedical Technology and CD-Laboratory, Danube University Krems

Tschernutter Marion

Department of Paediatrics and Adolescence Medicine, Medical University of Graz

Zweytick Dagmar

Institute of Molecular Biosciences, University of Graz