

## Cell Culture Days 2015

**Thursday, 07.05.2015**

9:00 – 11:00 *Tissue and 3D Cell Culture*

Giving cancer a shape: 3-dimensional *in vitro* and *ex vivo* lung carcinoma  
**Katharina Leithner**

Organotypic cultures: Methods and examples of applications  
**Silke Patz**

Macro molecular crowding as a new method for matrix-free ECM production  
**Matthias Graupp**

**SHORT BREAK**

Skin substitutes - Learning from the past to be fit for the future  
**Lars Kamolz**

Cultivating stem cells under physiological conditions  
**Cornelia Kasper**

11:00 – 11:15 **COFFEE BREAK**

11:15 – 12:30 *CHO cells, insect and cancer cells*

Production of biopharmaceuticals in times of genome scale systems  
biotechnology  
**Nicole Borth**

Production and characterisation of human diamino-oxidase generated in  
recombinant CHO cell lines  
**Elisabeth Gludovacz**

From insect cells to human proteins – “Baculovirus expression system“  
**Andelko Hrzenjak**

Eukaryotic initiation factors in hepatocellular carcinoma and colorectal cancer  
**Nicole Golob-Schwarzl**

12:30 – 13:30 **LUNCH**

- 13:30 – 15:00 **Workshops I**
- Transfection theory  
**Alexander Deutsch**
  - Isolation and expansion of mesenchymal stem and progenitor cells  
**Nicole Hofmann**
  - Live cell imaging  
**Eleonore Fröhlich and Marion Görger**
- 15:00 – 15:30 COFFEE Break
- 15:30 – 17:00 **Workshops II**
- Transfection practice  
**Alexander Deutsch and Kerstin Wenzl**
  - Working under hypoxic condition  
**Christoph Wohlkönig**
  - *In vivo* cell imaging  
**Johannes Eichler and Alexander Hofmeister**
- 17:00 DINNER

## Friday, 08.05.2015

- 9:00 – 10:30 ***Cancer and Metabolism***  
Cell extraction and metabolomics  
**Elmar Zügner**  
  
Modelling cancer cell metabolism in a hostile tumor microenvironment  
**Katharina Leithner**  
  
Tet inducible Oncogene expression in cell culture  
**Nicholson Shirony**  
  
Tet inducible silencing/overexpression of ATGL in cancer cells  
**Bina Isabelle**
- 10:00 – 10:30 **COFFEE BREAK**
- 10:30 – 12:00 ***Cell Imaging and Signaling***  
  
Endocannabinoid mediates ovarian carcinoma induced angiogenesis  
**Nicole Hofmann**  
  
DP and CRTH2 - team players in coordinating the response to PGD2"  
**Miriam Peinhaupt**  
  
Live cell imaging  
**Eleonore Fröhlich**  
  
*In vivo* cell tracking with MRI  
**Clemens Diwoky**
- 12:00 – 13:00 **LUNCH**
- 13:00 – 14:30 ***Workshops I***
- Cell culture mathematics  
**Beate Rinner and Katharina Meditz**
  - Isolation and expansion of hematopoietic stem cells and lineage-restricted progenitor cells  
**Claudia Bernecker and Peter Schlenke**
  - Live cell imaging  
**Eleonore Fröhlich and Marion Gröger**
- 14:30 – 15:00 **COFFEE Break**
- 15:00 – 16:30 ***Workshops II***
- Transfection practice  
**Alexander Deutsch and Kerstin Wenzl**
  - Working under hypoxic condition  
**Christoph Wohlkönig**
  - *In vivo* cell imaging  
**Johannes Eichler and Alexander Hofmeister**

## ***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](mailto:alexander.deutsch@medunigraz.at)

[beate.rinner@medunigraz.at](mailto:beate.rinner@medunigraz.at)

### ***Registration***

<http://www.zytometrie.at/veranstaltungen.html>

### ***Fee:***

100€ (Lunch and dinner included)

80€ Reduced fees for OEGFZ and Biomed Austria members

### ***Accreditation***

16 CPD points

16 DF-points

## ***Presenters***

### **Bernecker Claudia**

Department of Blood Group Serology and Transfusion Medicine, Medical University of Graz

### **Bina Isabelle**

Institute of Pathology, Medical University of Graz

### **Borth Nicole,**

Department of Biotechnology, University of Natural Resources and Life Sciences, Vienna

### **Deutsch Alexander,**

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

### **Diwocky Clemens**

Institut für Medizintechnik, TU Graz

### **Eichler Johannes**

Department of Orthopaedic Surgery, Medical University of Graz

### **Fröhlich Eleonore**

Center for Medical Research, Medical University of Graz

### **Gludovacz Elisabeth**

Department of Biotechnology, University of Natural Resources and Life Sciences, Vienna

### **Golob-Schwarzl Nicole**

Institute of Pathology, Medical University of Graz

### **Gröger Marion**

Core Facility Imaging, Medical University of Vienna

### **Graupp Matthias**

Department of Phoniatics, ENT University Hospital Graz, Medical University of Graz

### **Hofmann Nicole**

Institute of Biochemistry, Medical University of Graz

### **Hofmeister Alexander**

Division of Biomedical Research, Medical University of Graz

### **Hrzenjak Andelko**

Division of Pulmonology, Medical University of Graz

### **Kamolz Lars**

Division of Plastic, Aesthetic and Reconstructive Surgery, Department of Surgery, Medical University of Graz

### **Kasper Cornelia**

Department of Biotechnology, University of Natural Resources and Life Sciences, Vienna

**Leithner Katharina**

Division of Pulmonology, Department of Internal Medicine, Medical University of Graz

**Meditz Katharina**

Division of Biomedical Research, Medical University of Graz

**Nicholson Shirony**

Institute of Pathology, Medical University of Graz

**Patz Silke**

Research Unit for Experimental Neurotraumatology, Medical University of Graz

**Peinhaupt Miriam**

Institute of Experimental and Clinical Pharmacology, Medical University of Graz

**Rinner Beate**

Division of Biomedical Research, Medical University of Graz

**Schlenke Peter**

Department of Blood Group Serology and Transfusion Medicine, Medical University of Graz

**Wenzl Kerstin**

Division of Hematology, Medical University of Graz

**Wohlkönig Christoph**

Division of Pulmonology, Medical University of Graz,

**Zügner Elmar**

HEALTH, Bioanalytik and Metabolomics, Jonneum Research, Graz