



Cell Culture Days 2017

Wednesday, 31.05.2017

9:00 – 9:15 WELCOME COFFEE

9:15 – 11:00 **3D Cell Culture**

Multicellular Tricultures - an angiogenesis model in hanging drops

Arno Amann

Optimizing in vitro respiratory systems by insertion of immune cells

Doris Wilflingseder

Migration/Invasion of PBMCs in a 3D model

Stefan Köck

Influence of steroid hormones on canine endometrial cells in a three dimensional in vitro system

Cordula Gabriel

11:00 – 11:15 COFFEE BREAK

11:15 – 13:15 **3D Cell Culture and Tissue Engineering**

Tissue Engineering – History, Applications and Trouble Shooting

Daria Meusburger

Primary tissue culture - Patient derived microspheres

Johann Kern

3D-Chondrogenesis in vitro

Sarah Hochmann

Alternatives to Animal Experiment Models: Tracking of Zebrafish Larvae and Daphnia

Dominik Rünzler

Intestinal organoids : Novel tools for studying epithelial biology in health and disease

Florian Tran

13:15 – 14:15 LUNCH

14:15 – 14:45 Company Presentations

14:45 – 16:15 WORKSHOPS I

Bioreactors for adherently growing cells
Verena Charwat

Genome Extension of the replicative life span of human cells
Regina Grillari

Set up of a perfusion culture system for submerged and Air-Liquid interface (ALI) conditions
Wilfried Posch

16:15 – 16:30 COFFEE BREAK

16:30 – 18:00 WORKSHOPS II

Spheroid Immunostaining
Johanna Niklander

Intestinal organoids as pure epithelial 3D models
Florian Tran

Immune cell culture for personalized medicine
Karoline Fechter

18:00 SOCIAL PROGRAM AND DINNER

Thursday, 01.06.2017

9:00 – 9:15 **COFFEE**

9:15 – 11:15 ***Regenerative Medicine and Tissue Engineering***

Bone regeneration in oral surgery

Norbert Jakse

Advanced in vitro skin models for risk and efficacy testing

Florian Gröber

A sensor matrix for artificial skins applications

Anna Maria Coclite

The Human Placenta as a Model for Different Biological Barriers

Christian Wadsack

Improved ex vivo generation of red blood cells from human induced pluripotent stem cells in adherent organoid structures

Bernecker Claudia

11:15 – 11:30 **COFFEE BREAK**

11:30 – 13:30 ***Immune Cell Culture***

A short history of immunotherapy

Karoline Fechter

CAR-expressing primary NK-Cell

Stephan Klöß

The power of virus- & fungal-specific T cells

Christine Hoffmann-Freimüller

Complement-opsonization as potential DC vaccination strategy against HIV-1

Wilfried Posch

CD44 isoforms guiding CLL-microenvironment interactions

Tanja Hartmann

13:30 – 14:30 **LUNCH**

14:30 – 15:00 **Company Presentations**

15:00 – 16:30

WORKSHOPS I

Bioreactors for adherently growing cells

Verena Charwat

New Biomaterial Scaffolds for Tissue Engineering

Dominik Rünzler

Genome Extension of the replicative life span of human cells

Regina Grillari

Set up of a perfusion culture system for submerged and Air-Liquid interface (ALI) conditions

Wilfried Posch

16:30 – 16:45

COFFEE BREAK

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WORKSHOPS II

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Intestinal organoids as pure epithelial 3D models

Florian Tran

Immune cell culture for personalized medicine

Karoline Fechter

Location:

Registration

Center for Medical Research
Stiftingtalstraße 24, 8010 Graz

Scientific presentations

Cytological Institute
Auenbruggerplatz 20, EG, 8036 Graz

Lunch, Workshops, Industrial Exhibition

Center for Medical Research
Stiftingtalstraße 24, 8010 Graz

Contact

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Presenters

Amann Arno

Division of Oncology and Hematology, Medical University of Innsbruck

Bernecker Claudia

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

Charwat Verena

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

Coclite Anna Maria

Institute of Solid State Physics, University of Technology Graz

Fechter Karoline

CBmed, Medical University of Graz

Gabriel Cordula

Institute of Anatomy, Histology and Embryology, University of Veterinary Medicine Vienna

Grillari Regina

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

Gröber Florian

Fraunhofer IGB, Translational Center, Germany

Hartmann Tanja

Laboratory for Immunological and Molecular Cancer Research, Salzburg

Hochmann Sarah

Institute of Experimental and Clinical Cell Therapy, Paracelsus Medical University, Salzburg

Hoffmann-Freimüller Christine

CCRI - Children's Cancer Research Institute, Vienna

Jakse Norbert

Department of Dentistry and Maxillofacial Surgery, Medical University of Graz

Kern Johann

Division of Oncology and Hematology, Medical University of Innsbruck

Klöß Stephan

Institute of Cellular Therapeutics, Hannover Medical School, Germany

Köck Stefan

Division of Oncology and Hematology, Medical University of Innsbruck

Meusburger Daria

Department of Biomedical Research, Medical University Vienna

Niklander Johanna

Faculty of Pharmacy, University of Helsinki, Finland

Posch Wilfried

Division of Hygiene and Medical Microbiology, Medical University of Innsbruck

Rünzler Dominik

Biomedical Engineering, FH Technikum Vienna

Tran Florian

Institute of Clinical Molecular Biology, University of Kiel, Germany

Wadsack Christian

Department of Obstetrics and Gynecology, Medical University of Graz

Wilflingseder Doris

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