

STUDENTS WELCOME

By the relatively **low registration fees** the conference especially encourages young researchers, postdocs and students to participate. The young researchers have the possibility to present their work in a **friendly yet professional environment** in the form of poster contributions and short presentations. With this we want to foster the exchange of ideas and interaction between postgraduates and established researchers. In addition we offer **pre-conference tutorials** especially but not only for students.

KLAUS-GOERTTLER-PRIZE

The Prize is dedicated to **award a younger scientist** for a scientific work out of the wide field of Cytometry which appears outstanding both in scientific quality and innovation as well as presentation and layout. It is expected that submitted documents should reflect a (almost) **finished scientific graduation** (Diploma, Bachelor, Ph.D. or an equivalent work). The graduation in written form (already printed or in press) and/or scientific papers already published (or in press) will be considered in the reviewing process by the council board of the society. **The deadline for document submission is August 28th 2017.**

PRODUCT SLAM

Every company will get the chance to present their newest innovations and products within three minutes in this public event. This type of appetizer is a **fantastic marketing opportunity** supplying talking points for later conversations. As bonus, there will be a prize for the best performance – decided by the audience. Should you be interested in participating in this event, please send **Marc Skupch (marc.skupch@leibniz-iph.de)** the contact details of the presenting person as soon as possible but **not later than August 28th 2017.**

October 4-6
2017
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Jena // Germany

www.dgfg.org

CYTOMETRY "LIFE IN FOCUS"

The Annual Conference of the German Society for Cytometry provides a platform for interdisciplinary exchange in basic research, clinical and industrial developments. Aim of the conference is the promotion of methodological and technical innovation in flow cytometry (FCM), image cytometry (ICM) and slide based cytometry (SBC) which furthers understanding of the cell and its integration into multi-cellular systems. The conference facilitates the communication between physicists, chemists, engineers, biologists, biomedical specialists and industry representatives and sparks new impulses for the participants own research. At the same time it is building bridges for the implementation and commercialization of new diagnostic and biomedical approaches.

The yearly meeting of the society is characterised by a friendly and warm atmosphere, which gives upcoming graduate students and postdocs the opportunity to present their research in a both stimulating and relaxed surrounding. This is accompanied by good lectures at an affordable meeting price, and an almost legendary evening social event.

GENERAL INFORMATION

Date: October 4-6 2017

Conference venue: University of Applied Sciences Jena (Ernst-Abbe-Hochschule Jena, EAH) // Building 4 // Carl-Zeiss-Promenade 2 // 07745 Jena

Conference language: English

Registration / Abstract Submission: www.dgfg.org

Deadline for Abstract Submission: August 28th 2017

Early-Bird Deadline: September 8th 2017

Organized by

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PRELIMINARY PROGRAM

WEDNESDAY, OCTOBER 4TH, 2017

9:15 Core Manager Meeting & Tutorials

Tutorial 1: Scientific publication with special aspects for Cytometry Part A // Prof. Attila Tarnok // University of Leipzig

Tutorial 2: Handling of Flow Cytometers // Prof. Thomas Kamradt, Nico Andreas // Institute of Immunology, Jena

11:45 Welcome & Registration

12:45 Session 1: Nanotechnology

Microplastics – What we know and what we don't know // Dr. Gunnar Gerdtz // Alfred Wegener Institute, Helgoland

Spatial signalling in cell-to-cell communication // Ana Teixeira // Karolinska Institute, Solna

14:15 Session 2: Product Slam

15:45 COFFEE BREAK & INDUSTRY SESSION

16:45 Session 3: Cutting Edge

Picturing metabolism of individual cells // Dr. Theodore Alexandrov // EMBL Heidelberg, Germany

Cell cycle progression: A comparison between vibrational and cytofluorimetric signatures // Dr. Lisa Vaccari // Elettra – Sincrotrone Trieste, Italy

18:15 Keynote

Cytometry at the Point of Care – why and how this makes sense // Eugen Ermantraut // Blink AG, Jena

19:15 Welcome Reception at Industry Exhibition

THURSDAY, OCTOBER 5TH, 2017

9:15 Session 4: Microbiology

Microfluidics-based co-culture device, HuMiX, allows proximal co-culture of human epithelial cells and microbes // Joanna Baginska, Dr. Paul Wilmes // University of Luxembourg

Stronger together: On the benefits of dividing metabolic labor in bacteria // Prof. Christian Kost // University of Osnabrück

10:45 COFFEE BREAK

11:15 Session 5: European Guest Session – Association Française Cytométrie (AFC)

High expression of the pluripotency-associated transcription factor OCT4 associated with differentiation anomalies in acute myeloid leukemia and myelodysplastic syndromes // Prof. Lydia Campos // CHU St. Etienne, Présidente de l'AFC

The bone marrow microenvironment in MDS: emerging concepts with therapeutic implications // Dr. Carmen Aanei // CHU St. Etienne

12:45 Poster Pitch & Poster Session

13:30 LUNCH & POSTER SESSION

14:30 Session 6: Klaus-Goertler-Session

Redox proteomics using an MS-cleavable tag // Sebastian Virreira-Winter // Max Planck Institute Berlin

Flow cytometric dissection of cellular processes using genome-wide loss of function genetics // Lucas Jae // Gene Center Munich

MAPK signaling and inflammation link melanoma phenotype switching to induction of CD73 during immunotherapy // Julia Reinhardt // University of Bonn

16:00 Poster Session

16:45 Guest Lecture

Navigation in an extreme environment: how desert ants forage efficiently // Dr. Markus Knaden // Max Planck Institute for Chemical Ecology, Jena

17:30 Members Assembly

19:00 SOCIAL EVENT & CONFERENCE DINNER

FRIDAY, OCTOBER 6TH, 2017

9:15 Session 7: Microscopy

Go with the flow – blood flow dynamics and HSPC homing in bone marrow microvessels // Dr. Gabriele Bixel // Max Planck Institute for Molecular Biomedicine, Münster

The diversity of glial responses in health and disease-combining in vivo 2P imaging and transgenic mice with fluorescent reporter expression // Prof. Frank Kirchhoff // University of Saarland, Germany

10:45 COFFEE BREAK

11:15 Session 8: Clinical Applications

Use of flow cytometry to determine the phenotype and function of tumour infiltrating lymphocytes in human cancer // Prof. Paul Moss // University of Birmingham

Regulation of human T helper cells by the microenvironment // Prof. Christina Zielinski // Technical University of Munich

12:45 FAREWELL & SNACKS

CONTACT

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ACCOMODATION

Jena offers a large number of hotels for its visitors ranging from luxury hotels to low budget economy hotels, bed & breakfasts or youth guest houses to suite every pocket.

To make your stay in Jena as convenient as possible we partner with local hotels that offer special rates for participants of the conference. Visit www.dgfz.org to get all the details you need for reserving your hotel room.

TRAVEL INFORMATION

