

12:15–13:30 Lunch
Döner is sponsored by Dr. Jörg Schlegel,
BioInnovas AG

**13:30–14:30 Imaging Flow Cytometry
enables new applications**

Dr. Jörg Schlegel, BioInnovas AG, Switzerland

Presentation of FHNW Bachelor students:

**14:30–14:50 Characterization of induced
apoptosis in hCMEC/D3 cell line**

Patrick Wissner

**14:50–15:10 Cloning and sequencing of ASPV
genomic RNA**

Noemi Peter

**15:10–15:30 Migration and invasion assays for
studies of human glioma**

Ulrich Baumgartner

15:30–15:40 Closing remarks

Dr. E. Fasler-Kan and Dr. N. Barteneva

15:40–16:15 Coffee break

16:15–18:15 Demo and practical courses

on BD instruments, Lab 6.22 and Lab 3.54 (supervisors: Dr. N. Barteneva, Dr. E. Fasler-Kan, K. Ketman, A. Szilvasi and Dr. U. Speck); Image-IQ (supervisor: Dr. Ch. Klas) Room 7.14; Image Stream computer simulations (supervisor: Dr. J. Schlegel) Aula 7.48

**18:15–19:00 Questions, Answers and
Discussions with Supervisors**

19:00 End of workshop

SPEAKERS

Tudor Arvinte, University of Geneva, Switzerland
Natasha Barteneva, Harvard University, USA
Ulrich Baumgartner, FHNW, Switzerland
Peter Engel, BD Accuri, Germany
Elizaveta Fasler-Kan, FHNW, Switzerland
Viktoria Gillich, FHNW, Switzerland

Ken Ketman, Harvard University, USA
Christiane Klas, Labforce AG, Switzerland
Denis Martinvalet, University of Geneva, Switzerland
Noemi Peter, FHNW, Switzerland
Mari Prica, FHNW, Switzerland
Florian Rohrbach, Becton Dickinson, Germany
Stephan Ruetz, Novartis AG, Switzerland
Jörg Schlegel, BioInnovas AG, Switzerland
Michael Schneider, BÜHLMANN Labs, Switzerland
Stefan Schnell, Miltenyi Biotec, Germany
Jochen Schwendemann, Miltenyi Biotec, Germany
Uwe Speck, Becton Dickinson, Germany
Matthias Steinberg, Partec, Germany
Martin Stöckli, Olympus AG, Switzerland
Akos Szilvasi, Novartis AG, Cambridge, USA
Claudio Vallan, FlowJo, Celeza GmbH, Switzerland
Ivan Vorobjev, Moscow State University, Russia
Patrick Wissner, FHNW, Switzerland

THE ORGANIZING AND PROGRAM COMMITTEE

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Moscow State University: Prof. I. Vorobjev
University of Basel: Prof. P. Meyer, Prof. J. Huwyler,
Prof. L. Terracciano

Brochure Design

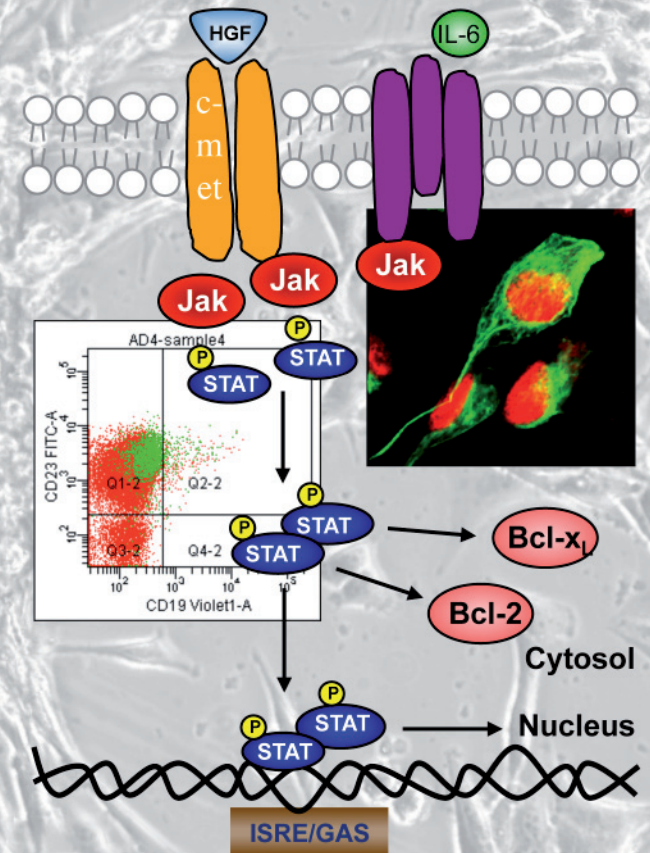
Désirée Dürr (FHNW)

Sponsors

Labforce AG, Bioconcept, Miltenyi Biotec,
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FlowJo Celeza GmbH, Becton Dickinson

1st Swiss International Workshop on Flow and Imaging Cytometry

September 13th – 16th, 2011



University of Applied Sciences
Northwestern Switzerland (FHNW)

Mattenstrasse 22, WRO-1060
Basel, Switzerland

13.09.11 TUESDAY

13:00–15:30 Registration

*Session Chair: Prof. D. Gygax
(FHNW, Switzerland)*

15:30–16:00 Welcome remarks

Prof. Gerda Huber, Director of Hochschule für Life Sciences and Prof. Daniel Gygax, Head of Bachelor Program

16:00–18:00 Fluorescence: basic principles

Prof. T. Arvinte, University of Geneva, Switzerland

14.09.11 WEDNESDAY

Flow cytometry and applications

*Session Chair: Dr. E. Fasler-Kan
(FHNW, Switzerland)*

9:00–10:00 Introduction in flow cytometry

Dr. U. Speck, Becton Dickinson, Germany

10:00–10:40 The basics of cell cycle analysis in research cytometry. Controls in flow cytometry

Akos Szilvasi, Novartis Institutes of Biomedical Research, Cambridge, USA.

10:40–11:00 Coffee Break

11:00–11:45 Fluorochromes and Quantum dots for cytometry and microscopy

Prof. Ivan Vorobjev, Moscow State University and Russian Hematology Center, Russia.

11:45–12:15 Application of flow cytometry in allergy testing

Michael Schneider, BÜHLMANN Labs, Switzerland

12:15–13:30 Lunch

*Pizza is sponsored by Dr. Christiane Klas,
Labforce AG, Switzerland*

13:30–14:15 Life-Cell Imaging System, Cell-IQ

Dr. Christiane Klas, Labforce, Switzerland

Industrial Cytometry and Cytometry applications

14:15–15:30 Company Presentations

Becton Dickinson: Dr. Uwe Speck

Miltenyi Biotec: Dr. Jochen Schwendemann

Partec: Dr. Matthias Steinberg

15:30–16:00 Coffee break

16:00–18:30 Demo and practical courses

on BD instruments, Lab 6.22 and Lab. 3.54 (supervisors: Dr. E. Fasler-Kan, Dr. U. Speck, K. Ketman, A. Szilvasi, Prof. I. Vorobjev and Dr. N. Barteneva); Accuri Room 6.46 (supervisor Dr. P. Engel); Partec Room 7.14 (supervisors: Dr. Ch. Klas and Dr. Matthias Steinberg); Miltenyi Biotec Room 7.70 (supervisors: Dr. J. Schwendemann and Dr. S. Schnell)

15.09.11 THURSDAY

Flow cytometry and applications, cell sorting

*Session Chair: Dr. Natasha Barteneva
(Harvard Medical School, USA)*

9:00–9:40 Application of phospho-specific antibodies for studies of JAK-STAT signaling pathway

Dr. Elizaveta Fasler-Kan, FHNW, Switzerland

Presentation of FHNW Bachelor students:

9:40–10:00 Application of purified bees and wasp allergens in basophile activation test

Mari Prica

10:00–10:20 Influence of thrombocytes on the differentiation of endothelial progenitor cells

Viktoria Gillich

10:20–10:45 Coffee break

10:45–11:30 Multicolor cytometry. Compensation in flow cytometry

Dr. N. Barteneva, Immune Disease Institute, Harvard Medical School, USA

11:30–12:15 Cell sorting. Principles and overview of instruments

Ken Ketman, Immune Disease Institute, Harvard Medical School, USA

*12:15–13:15 Lunch
Sandwiches*

13:15–14:00 Cell sorting in cancer research

Prof. Ivan Vorobjev, Moscow State University and Russian Hematology Center, Russia

14:00–15:00 Software for flow cytometry. FlowJo and data analysis

Dr. Claudio Vallan, FlowJo Switzerland

15.00–15.30 Coffee break

15:30–18:00 Demo and practical courses

on BD instruments, Lab 6.22 and Lab 3.54 (supervisors: Dr. N. Barteneva, Dr. E. Fasler-Kan, K. Ketman, A. Szilvasi and Dr. U. Speck); Accuri Room 6.46 (supervisor Dr. P. Engel); Miltenyi Biotec Room 7.70 (supervisors: Dr. J. Schwendemann and Dr. S. Schnell); Partec Room 7.14 (supervisors: Dr. Ch. Klas and Dr. Matthias Steinberg)

18:00–20:30 Get together. Wine and cheese Party

16.09.11 FRIDAY

Imaging cytometry and automated microscopy

*Session Chair: Prof. Ivan Vorobjev
(Moscow State University, Russia)*

9:00–10:00 Confocal laser microscopy

Dr. Martin Stöckli, Olympus AG, Switzerland

10:00–10:45 Laser scanning microscopy

Dr. Stephan Ruetz, Novartis AG, Switzerland

10:45–11:00 Coffee break

11:00–11:30 ROS detection and flow cytometry

Dr. Denis Martinvalet, University of Geneva, Switzerland

11:30–12:15 Cell Imaging

Dr. Florian Rohrbach, Becton Dickinson, Germany