

WORKSHOP CHAIRS

Mark Lowdell, *PhD, FRCPath, Royal Free & University College Medical School – United Kingdom*

Matthias Schiemann, *PhD, Technische Universität München – Germany*

ORGANIZING COMMITTEE

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Markus Kaymer, *Beckman Coulter*

Mark Lowdell, *PhD, FRCPath, Royal Free & University College Medical School – United Kingdom*

Philip Mathuis, *Ovizio*

Nicolas Quoix, *Becton Dickinson*

Matthias Schiemann, *PhD, Technische Universität München – Germany*

Program

INTRODUCTION

8:00-8:10

Degas Room

Matthias Schiemann, *PhD, Technische Universität München, DE*
 Mark Lowdell, *PhD, FRCPath, FSBIol, UCL, UK*

INTRODUCTION TO THE BENEFITS AND PITFALLS OF MULTI-COLOUR FLOW CYTOMETRY AND CELL ANALYSIS

8:10-9:50

Degas Room

- Innovative tools and approaches for optimizing multicolor panel design.
 Speaker: Mirko Corselli, *PhD, BD Biosciences*
- Beyond colorful science: a practical approach to setting up multicolor panels.
 Speaker: Dr. Andreas Boehmler, *Beckman Coulter GmbH*
- Introduction of the MACSQuant Tyto and MEMS.
 Speaker: John Foster, *Owl Biomedical by Miltenyi Biotec*

9:50 – 10:05

Coffee Break *Degas Room*

10:05 – 11:05

TECHNICAL SESSION #1

1A:

Manet Room

Teacher:

Joachim Brenner, *PhD, BD Biosciences*

- Live demonstration of the BD FACSJazz Cell Sorter

1B:

Degas Room

Teacher:

Dr. Claude Lemarie, *Institut Paoli-Calmettes, FR*

- Basic workshop on how to enumerate CD34+ cells, what do you need to consider in the process environment

1C:

Diderot Room

Teachers:

Stephanie Bucher and Joffrey De Larichaudy, *CELLforCURE, FR*

- Use of flow cytometry in the control of advanced cell therapy products
- Johannes Rachor, *University Hospital Wuerzburg, DE*
- Cell analysis / QC for TCR-alpha/beta depleted grafts for hematopoietic stem cell transplantation. Example of one center of a multicenter clinical study

11:05 – 11:50

Lunch *Degas Room*

11:50 – 12:50 **TECHNICAL SESSION #2**

<p>2A:</p> <hr/> <p><i>Manet Room</i> Teacher: Jörg Schlender, PhD, BD Biosciences</p> <ul style="list-style-type: none"> • Optimizing sample preparation for efficient sorting of rare cell populations 	<p>2B:</p> <hr/> <p><i>Degas Room</i> Teacher: Dr. Stephan Klöß, Hannover Medical School, DE</p> <ul style="list-style-type: none"> • Production and Quality control of CMV-specific T cells – an interactive journey 	<p>2C:</p> <hr/> <p><i>Diderot Room</i> Teacher: Philip Mathuis, Ovizio Imaging, BE</p> <ul style="list-style-type: none"> • Automating process control by using innovative label-free quantitative imaging
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12:50 – 13:00 Short break to transition to next session

13:00 – 13:45 **TECHNICAL SESSION #3**

<p>3A:</p> <hr/> <p><i>Manet Room</i> Teacher: Mirko Corselli, PhD, BD Biosciences</p> <ul style="list-style-type: none"> • Resolving stem cell heterogeneity using flow cytometry 	<p>3B:</p> <hr/> <p><i>Degas Room</i> Teacher: Manuela Battaglia, PhD, San Raffaele Diabetes Research Institute, IT</p> <ul style="list-style-type: none"> • The importance of proper immune-monitoring in proof of concept clinical trials: the experience of The One Study 	<p>3C:</p> <hr/> <p><i>Diderot Room</i> Teacher: Cassian Yee, PhD, MD Anderson Cancer Center, US</p> <ul style="list-style-type: none"> • Adoptive T Cell Therapy: The Path from Boutique Therapy to Treatment Modality. A Case Study of the MACSQuant Tyto Technology
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13:45 – 14:00 **FINAL DISCUSSION AND WRAP-UP**
Degas Room

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