



**IFCC**  
**Medical Life Science and Technology**

***Course „Cell Processing and Purification“***

PhD Graduate School and IFCC Workshop  
Munich, September 18<sup>th</sup> – 22<sup>nd</sup>, 2017

TU München  
Institut für Medizinische Mikrobiologie, Immunologie und Hygiene  
Trogerstrasse 30  
81675 München

**IFCC**  
**Medical Life Science and Technology**

Investigator: Institut für Medizinische Mikrobiologie, Immunologie und Hygiene  
TU München

Title: "Cell Processing and Purification"

Start: September, 18<sup>th</sup> 2017 – 9.00

End: September, 22<sup>nd</sup> 2017 – 16.15

Time: September, 18<sup>nd</sup> – September, 22<sup>nd</sup> 2017 (1 UE = 45 minutes)

Lecture 1 (UE1 + 2)	9.00 - 10.30
Coffee break	10.30 - 10.45
Lecture 2 (UE3 + 4)	10.45 - 12.15
Lunch	12.15 - 13.00
Lecture 3 (UE5 + 6)	13.00 - 14.30
Coffee break	14.30 - 14.45
Lecture 4 (UE7 + 8)	14.45 - 16.15

Location: TU München, Institut für Medizinische Mikrobiologie, Immunologie und Hygiene

Trogerstrasse 30

81675 München

Kursraum - EG

Arrival via public transportation system:

**From the airport** take the S8 direction to "Herrsching" (Munich). Change to underground at "Ostbahnhof" (U5 direction to "Laimplatz"). Step off the underground at "Max-Weber-Platz". Follow the signs to "Einsteinstraße", subsequent follow the signs to "Trogerstraße".  
**From central train station** take the U5 or U4, step off at "Max-Weber-Platz". Follow the signs to "Einsteinstraße", subsequent follow the signs to "Trogerstraße".

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title/experiment	tutor	duration/time
<b>day 1 - Monday</b>		
Registration of participants		
Safety and regulations		
Intro and presentation by participants (a 3 minutes)		1 UE 09.00 - 09.45
Basics flow cytometry and cell sorting	<i>Matthias Schiemann</i>	3 UE 09.45 - 12.15
Multicolor experiments setup and data interpretation	<i>Tomas Kalina</i>	4 UE 13.00 - 16.15
<b>day 2 - Tuesday</b>		
Data analysis/statistics	<i>Jonas Mir</i>	2 UE 09.00 - 10.30
<i>p-value/hypothesis test</i>		
Reversible reagents, clinical cell processing	<i>Kilian Schober</i>	4 UE 10.30 - 14.30
Intracellular cytokine staining (part 1 – introduction and preparation)	<i>Fabian Schlott</i>	2 UE 14.45 - 16.15
<b>day 3 - Wednesday</b>		
Future markers on past samples – unlimited biomarker analysis on precious samples with ChipCytometry	<i>Christian Hennig</i>	4 UE 09.00 - 12.15
Intracellular cytokine staining (part 2 – acquisition and analysis)	<i>Fabian Schlott</i>	4 UE 13.00 - 16.15
<b>day 4 - Thursday</b>		
Micro particles and artefacts	<i>Andreas Spittler</i>	4 UE 09.00 - 12.15
All you never wanted to know about GLP and GMP	<i>Ana G. Andrade</i>	2 UE 13.00 - 14.30
Cell sorting	<i>Immanuel Andrae</i> <i>Achim Egner</i>	2 UE 14.45 - 16.15
<b>day 5 - Friday</b>		
Behind the scenes	<i>Achim Egner</i>	2 UE 09.00 - 10.30
Multicolor Panel Design	<i>Nicole Weit</i>	4 UE 10.30 - 14.30
<i>New avalanche photodiode detectors (APDs)</i>		
Examination and discussion	<i>all</i>	2 UE 14.45 - 16.15