





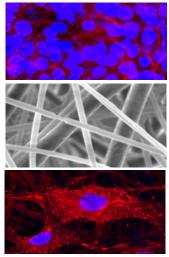
## 7<sup>th</sup> Galenus Workshop

"Human in vitro models – biology meets technology"

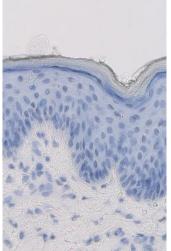
# Goethe-University Frankfurt and Buchmann Institute for Molecular Life Science

Frankfurt a/M, Germany  $30^{th} \, \text{September} - 2^{nd} \, \text{October 2019}$ 

Organizer: Prof. Dr. Maike Windbergs and team







### Monday, 30<sup>th</sup> September

8:00-9:15	Registration	
9:15-9:45	Welcome address (Dr. Sonntag and Prof. Windbergs)	
Session 1: Lung models		
9:45-10:15	Prof. Amir Ghaemmaghami (University of Nottingham) "Biomimetic models of human lung for disease modelling"	
10:15-10:45	Prof. Franziska Matthäus (Frankfurt Institute for Advanced Studies) "Analysis and modelling of human lung cell migration in health and disease	
10:45-11:30	Coffee and posters	
Session 2: Skin models		
11:30-12:00	Prof. Ana Melero (University of Valencia) "Drug depth profiling in excised human skin"	
12:00-12:30	Dr. Alexa Patzelt (Charité Berlin) "Targeting the follicular pathway: perspectives for in vitro testing"	
12:30-14:00	Lunch	
Keynote lecture		
14:00-14:45	Prof. Joke Bouwstra (Leiden University) "From cells to tissues - advances in emulating the human skin"	
Session 3: Cells and fluids		
14:45-15:15	Giulia Raggi (Alveolix, Bern) "Advanced microfluidic in vitro models of the alveolar barrier"	
15:15-15:45	Prof. Andreas Dietzel (Technical University Braunschweig) "Lab on a chip: The future of human cell and tissue assays"	
15:45-16:30	Coffee and poster walk (authors @ posters, review by award committee)	
Session 4: Selected talks		
16:30-18:00	Short talks selected from the submitted abstracts	
From 18:00	Social event and conference dinner	

#### Tuesday, 1<sup>st</sup> October

From 17:00

Lab tours and get together

7,7		
Session 5: Central nervous system and blood brain barrier models		
9:00-9:30	Prof. Thomas Durcan (McGill University, Montréal)	
	"New technologies for modelling disorders of the Brain in 3D"	
	The second of th	
9:30-10:00	Dr. Sylvia Wagner (Fraunhofer Institute for Biomedical Engineering, Sulzbach)	
	"Reconstructing the blood-brain barrier for transport studies"	
10:00-10:30	Coffee and posters	
Session 6: Intestine models		
10:30-11:00	Dr. Brigitta Loretz (Helmholtz Institute for Pharmaceutical Research Saarland)	
	"Human in vitro models of the inflamed intestinal mucosa for drug delivery testing"	
11:00-11:30	Dr. Andrea Introini (Karolinska Institute, Stockholm)	
	"Patient-derived cell assays targeting inflammatory bowel diseases"	
Session 7: Tissue models		
11:30-12:00	Prof. Torsten Blunk (University Clinics, Würzburg)	
	"Adipose tissue engineering by mesenchymal stem cells"	
12.00 12.20	Du Annanavia Lang (Charité Barlin)	
12:00-12:30	Dr. Annemarie Lang (Charité, Berlin)	
	"Human in vitro models for studying cartilage inflammation and repair"	
12:30-14:00	Lunch	
12.30-14.00	Lanch	
Session 8: Analytical techniques		
14:00-14:30		
14.00-14.50	Dr. Florian Gröber (Fraunhofer Translational Center Regenerative Therapies,	
	Würzburg)  "Impedance spectrossepy for non-destructive auglyation of epithelial barriers"	
	"Impedance spectroscopy for non-destructive evaluation of epithelial barriers"	
14:30-15:00	Dr. Marius Hittinger (Pharmbiotec GmbH, Saarbrücken)	
	"Advances for analyzing aerosol-to-cell delivery at the air-liquid interface"	
15:00-15:30	Coffee	
Session 9: Lab course contributors		
15:30-15:50	Genoskin	
15:50-16:10	Teledyne Hanson	
16:10-16:30	Cellink	
16:30-17:00	Award ceremony and closing remarks	

#### Wednesday, 2<sup>nd</sup> October

#### Lab courses including:

9:00-13:00 Module I: Tissue engineering (e.g. bioprinting, electrospinning)

Module II: Human skin models and skin absorption testing

Module III: Human lung models (e.g. lung-on-a-chip, inhalation testing)

Module IV: Analytical techniques (e.g. impedance spectroscopy)