5th Galenus Workshop

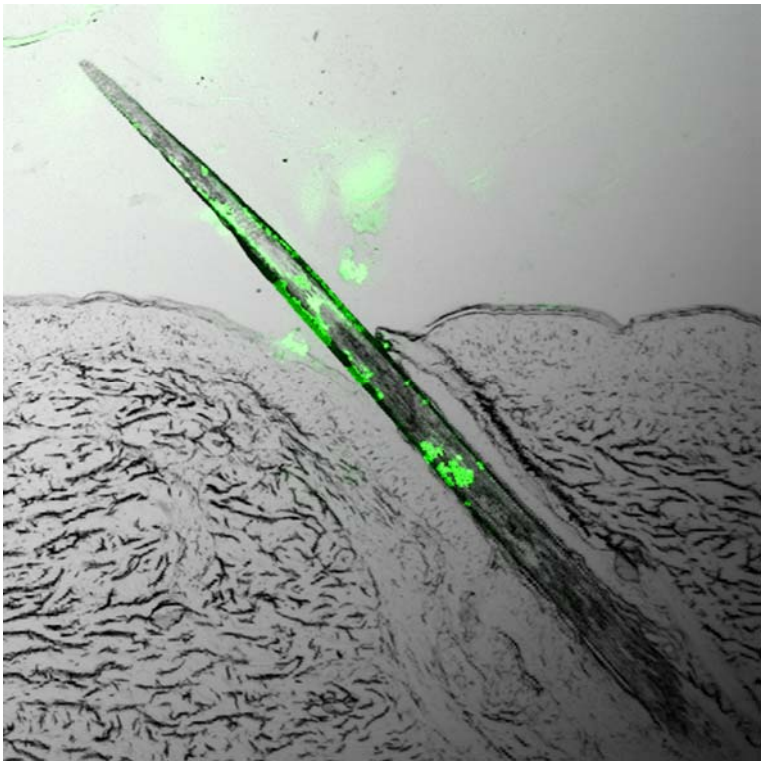
"The Advanced Use of Nanocarriers in Future Skin Drug Delivery"

Charité – Universitätsmedizin Berlin, Department of Dermatology, Venerology and Allergology, Center of Experimental and Applied Cutaneous Physiology (CCP)

Berlin, Germany

November 16 - 18, 2016

Organizers: Dr. Alexa Patzelt, Prof. Dr. Dr.-Ing. Jürgen Lademann



Programme

Venue: Hörsaalruine of the Charité's Museum of Medical History, Charité-Universitätsmedizin Berlin, Campus Mitte, Berlin, Germany

Date: November 16 to 18, 2016

Wednesday, November 16, 2016

08:00-09:00	Registration	
09:00-09:30	Opening Words	**Dr. Cornelia Désirée Sonntag** Galenus Foundation; Wien, Österreich **Prof. Jürgen Lademann** Charité-Universitätsmedizin Berlin, Germany **Dr. Alexa Patzelt** Charité-Universitätsmedizin Berlin, Germany
Session 1 The role of the hair follicle in the skin penetration process		
09:30-10:00	The follicular penetration pathway – yesterday, today and tomorrow	**Dr. Alexa Patzelt**, Charité-Universitätsmedizin Berlin, Germany
10:00-10:30	Nanoparticles and hair follicles: strategy of drug delivery	**Prof. Claus-Michael Lehr,** Helmholtz-Institute for Pharmaceutical Research, Saarland, Saarbrücken, Germany
10:30-11:00	Coffee break and posters	
11:00-11:30	The role of tight junctions in the hair follicle	**Prof. Johanna Brandner,** University Hospital Hamburg-Eppendorf, Hamburg, Germany
11:30-12:00	Application of multiphoton microscopy for skin penetration measurements	**Prof. Michael Roberts**, University of South Australia, Adelaide, South Australia
12:00-12:30	Drug delivery through the skin barrier	**Dr. Maike Windbergs,** Helmholtz-Institute for Pharmaceutical Research, Saarland, Saarbrücken, Germany
12:30-14:00	*Lunch break and posters*	

Session 2 New insights in the complex structure of the skin barrier		
14:00-14:30	The hair follicle – an efficient target for drug delivery	**Prof. Ulrike Blume-Peytavi**, Charité-Universitätsmedizin Berlin, Germany
14:30-15:00	Lipids and the skin barrier	**Prof. Joke Bouwstra,** Academic Centre for Drug Research, Leiden, The Netherlands
15:00-15:30	Analysis of skin barrier properties	**Prof. Reinhard Neubert,** Martin Luther University, Halle, Germany
15:30-16:00	*Coffee break and posters*	
Session 3 In silico modeling of the skin barrier		
16:00-16:30	Theoretical models for skin penetration	**Prof. Gabriel Wittum** Goethe University Frankfurt, Germany
16:30-17:00	The pumping mechanism of the hair follicle	**Prof. Roland Netz,** Freie Universität Berlin, Germany
19:00 *Conference Dinner at Lindenbräu Restaurant, Potsdamer Platz*		

Thursday, November 17, 2016

Session 4 Nanocarrier and skin – advantages, interactions and challenges		
9:00-9:30	Nanocarriers and the triggered release of actives within the hair follicle – a promising approach	**Prof. Jürgen Lademann,** Charité-Universitätsmedizin Berlin, Germany
9:30-10:00	Drug delivery with nanocarriers, results of the Collaborative Research Center 1112	**Prof. Eckart Rühl** Freie Universität Berlin, Germany
10:00-10:30	Application of ESR to investigate the penetration of nanocarriers	**Dr. Martina Meinke** Charité-Universitätsmedizin Berlin, Germany
10:30-11:00	Coffee break and posters	
11:00-11:30	Topical vaccination	**Dr. Annika Vogt** Charité-Universitätsmedizin Berlin, Germany
11:30 -12:00	Decontamination of the skin	**Dr. Laura Frazier** SNS Nano Fiber Technology, Hudson, USA
12:00-12:30	Skin model to investigate the penetration of nanocarriers	**Prof. Sarah Hedtrich** Freie Universität Berlin, Germany
12:30-14:00	*Lunch break and posters*	
14:00-14:30	Microscopic methods for penetration measurements	**Prof. Ulrike Alexiev** Freie Universität Berlin, Germany
14:30-16:00	6 Short presentations à 15 minutes, each, from abstracts submitted	
16:00-16:30	Closing remarks and awarding the Galenus Poster prize	Dr. Cornelia Désirée Sonntag, Prof. Jürgen Lademann, Dr. Alexa Patzelt

Friday, November 18, 2016

Lab tour	
10:00 -11:00	Lab tour, group 1 (max. 10 attendees)
11:30-12:30	Lab tour, group 2 (max. 10 attendees)
14:00	Guided tour through the Charité's Museum of Medical History