

## Disciplinary Forum Project Areas B + C/Z, Summer Term 2017

Organization: **Prof. Dr. Eckart Rühl (B02), Prof. Dr. Martina Meinke (B01),  
Dr. Fiorenza Rancan (C04)**

Date: Tuesday, September 5, 2017

Time: 9:00 - 13:00 hrs / 9:00 am - 1:00 pm

Location: Lecture Hall, Institute of Chemistry and Biochemistry, Takustr. 3, FU Campus Dahlem

**Program:** (open to ad hoc suggestions)

Time	Project	Speaker	Topic
<b>B- and C-Z-areas:</b>			
9:00-9:10	B02 B01  C04	<b>Prof. Dr. Eckart Rühl, Prof. Dr. Martina Meinke, Dr. Fiorenza Rancan</b>	Introduction
9:10-9:20	<i>Discussion (10 min)</i>		
9:20-9:35	B01/ C02	<b>Anja Elpelt</b>	Investigation of redox status in different skin models by EPR
9:35-9:50	B01/ C-Z- MSK	<b>Pin Dong</b>	Investigation of a pH sensitive nanoparticle applied on skin by EPR spectroscopy and laser scanning microscopy
9:50-10:05	B01	<b>Siavash Saeidpour</b>	Characterization of spin probes loaded to the nano lipid sized particles (NLP)
10:05-10:20	B02	<b>André Klossek</b>	Current Stimulated Raman Spectromicroscopy (SRS) studies in the SFB 1112
10:20-10:35	B02	<b>Kenji Yamamoto</b>	B02 - Latest Results on X-Ray Microscopy of Drug and Nanoscaled Drug Delivery Systems in Murine, Reconstructed and Human Skin
10:35-10:45	<i>Coffee break (10 min)</i>		
10:45-11:00	B03	<b>Johannes Stellmacher</b>	FLIM-based analysis of nanocarrier penetration in tissue with high or varying autofluorescence (hairfollicle, mucosa)
11:00-11:15	<i>Coffee break (10 min)</i>		
11:15-11:30	B03	<b>Pierre Volz</b>	Distinct steps in cellular uptake of a CMS nanocarrier and its cargo by keratinocytes as revealed by FLIM
11:30-11:45	B04	<b>Bartosz Kowalik</b>	Calculation of the Diffusivity of Dexamethasone in SC membranes from MD simulations
11:45-12:00	B04	<b>Amanuel Wolde-Kidan</b>	Analysis of Diffusion Dynamics in Biological Systems
12:00-12:15	C04	<b>Janna Frombach</b>	Protease-mediated inflammation: an in vitro human keratinocyte based screening tool for anti-inflammatory drug nanocarrier systems
12:15-12:45	<i>General Discussion</i>		

\*General time schedule for IRTG-Member talks: 10 min + 5 min discussion\*