2nd Workshop Forschergruppe 2177

Integrierte chemische Mikrolaboratorien
(InChem)

Centre for Biotechnology and Biomedicine (BBZ)
Deutscher Platz 5, 04103 Leipzig
09.-10. November 2017
2nd Workshop Forschergruppe 2177
Integrierte chemische Mikrolaboratorien

Thursday, 9. November 2017

Time
10:00  Detlev Belder
Opening

Session 1: Chair Bernd Abel

10:10  Peter Seeberger
Automated glycan assembly as basis for novel medicines and materials

10:40  Roland Zengerle
Molecular diagnostics at the Point-of-Care by centrifugal microfluidics

11:25  Thomas Wirth
Flow Electrochemistry – Challenges and Solutions

12:10 Lunchtime snack

Session 2: Chair Andreas Schmid

13:15  Detlev Belder
Integrating chemical synthesis and analysis on-chip

13:45  Oliver Trapp
Kinetic Investigations by Integration of Synthesis and Analysis

14:30  Kirsten Zeitler
Multicatalytic transformations – impact of new techniques

15:00 Coffee break

Session 3: Chair Andrea Robitzki

15:30  Nicole Pamme
Lab-on-a-chip for environmental analysis of watch-list chemicals and quality control of radiopharmaceuticals

16:15  Christoph Schneider
Catalytic multicomponent reactions for the rapid assembly of molecular complexity

18:15 Guided city tour

20:00 Dinner
At restaurant coffe-baum
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Friday, 10. November 2017

Time

Session 4: Chair Christoph Schneider

09:00  Andreas Schmid  
Single cell microfluidics for whole-cell biocatalysis

09:30  Bernd Abel  
Deciphering chemical reactions and reaction intermediates with liquid microbeam desorption mass spectrometry and quantum chemistry

10:00  Volker Hessel  
From one to multiple flows and back to ONE-FLOW

10:45  Coffee break

Session 5: Chair Detlev Belder

11:15  Janina Kneipp  
Raman scattering and surface-enhanced Raman scattering for the analysis of complex microsamples

11:45  Christoph Merten  
Droplet Microfluidics in Drug Discovery

12:30  Andrea Robitzki  
Smart optoelectronic biosensors for multiparametric cell and tissue based real time impedimetric monitoring

13:00  Lunchtime snack