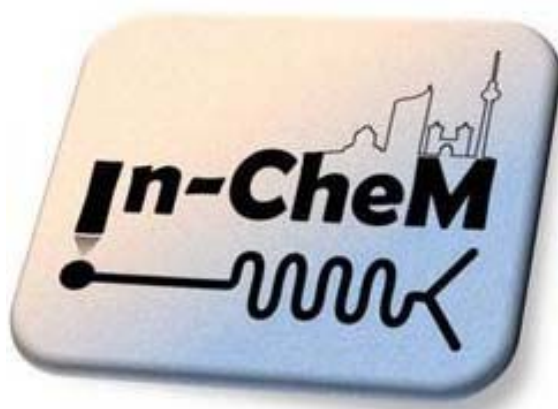


# 2<sup>nd</sup> Workshop Forschergruppe 2177

*Integrierte chemische Mikrolaboratorien*

(InChem)



**DFG** Deutsche  
Forschungsgemeinschaft

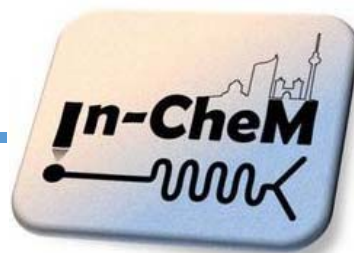
Centre for Biotechnology and Biomedicine (BBZ)

Deutscher Platz 5, 04103 Leipzig

09.-10. November 2017

# 2<sup>nd</sup> 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*

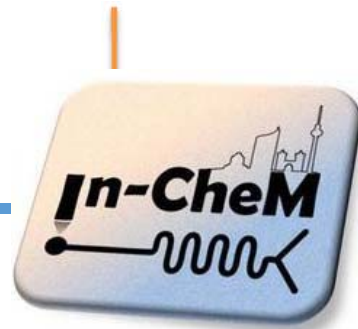
16:15 **Christoph Schneider**  
*Catalytic multicomponent reactions for the rapid assembly of molecular complexity*

18:15 **Guided city tour**

19:15 **Dinner**  
At restaurant coffe-baum

# 2<sup>nd</sup> Workshop Forschergruppe 2177

## Integrierte chemische Mikrolaboratorien



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**  
*Compound separation and target related real time monitoring of drug efficacy on a novel microfluidic chip*
- 13:00     **Lunchtime snack**