

Monday, April 1, 2019

12:00 **Registration**

12:30 **Welcome addresses**
Brigitte Voit (scientific director IPF)
Ludger Wessjohann (Speaker of the Alliance)
 Leibniz Institute of Plant Biochemistry

Session 1 Chair: **Julian Thiele**
 IPF Dresden

12:45 **PLENARY TALK**
Marion Ansorge-Schumacher Technical University Dresden
 Enzyme preparation for applied 'non-conventional' biocatalysis

13:30 **Andreas Brunschweiler** Technical University Dortmund
 Towards reaction media compartmentation for DNA-encoded organic synthesis – polymer micelle
 Brønsted acid-mediated formation of DNA-tagged heterocycles

14:00 **Dietmar Appelhans** Leibniz Institute of Polymer Research Dresden (IPF)
 Probing functional principles of polymeric vesicles for the fabrication of artificial organelles and protocells

14:30 **Poster session**

14:30 **Coffee break**

Session 2 Chair: **Dirk Janasek**
 ISAS Dortmund

15:15 **Julian Thiele**
 Leibniz Institute of Polymer Research Dresden (IPF)
 Experimental platforms for cell-free biotechnology designed by droplet microfluidics and additive manufacturing

15:45 **Martin Müller**
 Leibniz Institute of Polymer Research Dresden (IPF)
 Local and temporal control on the delivery of bone healing drugs by thermoresponsive biopolyelectrolyte complexes

16:15 **Marcus Binner** Leibniz Institute of Polymer Research Dresden (IPF)
 Ex Vivo Creation of Implantable Human Corneal Tissues to Cure Blindness

16:45 **PLENARY TALK**
Wilhelm T. S. Huck Radboud University Nijmegen, The Netherlands
 Towards life-like materials: dissipative systems showing signs of life

17:30 **Coffee break**

Session 3 **AWARD CEREMONY**
 Chair: **Ronald Frank** FMP Berlin

18:00 **Leibniz Research Award 2019**
Wittko Francke University of Hamburg

18:30 **Leibniz Drug of the Year 2019**
Ron Hermenau Leibniz Institute for Natural Product Research and Infection Biology
 Hans Knöll Institute (HKI)

19:00 **Dinner**

Tuesday, April 2, 2019

Session 4 Chair: **Dietmar Krautwurst**
 Leibniz-LSB@TUM Freising

09:00 **PLENARY TALK**
Julien Lefranc Bayer AG
 Identification of the potent, highly selective and orally bioavailable ATR inhibitor BAY 1895344

09:45 **Hajo Kries** Leibniz Institute for Natural Product Research and Infection Biology
 Hans Knöll Institute (HKI)
 Biosynthetic design of nonribosomal peptides

10:15 **Birgit Michels** Leibniz Institute for Neurobiology
 Memory enhancement by ferulic acid ester across species

10:45 **Maik Behrens** Leibniz-Institute for Food Systems Biology at the Technical University of Munich
 Bitter is better – Taste receptors becoming drug targets

11:15 **Mario Krespach** Leibniz Institute for Natural Product Research and Infection Biology
 Hans Knöll Institute (HKI)
 Association of *Chlamydomonas reinhardtii* and *Aspergillus nidulans* leads to algal resistance to harmful bacterial azalomycin F

11:45 **Coffee break**

Session 5 **Projects of the Alliance**
 Chair: **Ludger A. Wessjohann**
 IPB Halle

12:00 **Frank Broda** Leibniz Institute of Plant Biochemistry
 Leibniz Bioactives Cloud

12:10 **Bernd Rupp** Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP)
 Wirkstoffradio

12:20 **Closing remarks**

12:25 **Lunch**

13:30 **Member Assembly**
Seminar room
 Max-Bergmann-Zentrum für Biomaterialien,
 Budapester Strasse 27, 01069 Dresden

13:30 **Guided tour IPF (participants)**
 Leibniz Institute of Polymer Research Dresden (IPF)
 Hohe Str. 6, 01069 Dresden

15:30 **Guided tour IPF (members of LRA BCT)**
 Leibniz Institute of Polymer Research Dresden (IPF)
 Hohe Str. 6, 01069 Dresden