

MONDAY, April 27

12:00 **Registration, Snacks and Coffee**

12:30 **Welcome address**
Heinrich Baßler (Vice President, Leibniz Association)
Ludger Wessjohann (Chair, Leibniz Research Alliance)

13:00 **Keynote Lecture Chris Meier**
(Organic Chemistry, Uni Hamburg):
Developing prodrugs of antivirally active nucleoside triphosphates - Against all odds - it works!

Session 1: Pharmaceutical agents – infection and resistance (Chair: Thomas Dobner, HPI)

13:45 Calcium spirulan derived from *Spirulina platensis* inhibits HSV-1 attachment to human keratinocytes and protects against herpes labial (Julia Mader, HPI)

14:00 Modified polyoma virus capsid proteins as targeted delivery tools (Stefan Schneider, DPZ)

14:15 The use of genetic complementation to identify drug resistance marker genes in kinetoplastid protozoa (Joachim Clos, BNITM)

14:30 Development of new antimicrobial peptides with neutralizing activity on bacterial pathogenicity factors (Thomas Gutschmann, FZB)

Session 2: Pharmaceutical agents - chronic inflammatory disease (Chair: Alf Hamann, DRFZ)

14:45 Found in translation: Soraphen A, a small compound modulating T cell immunity (Luciana Berod, TWINCORE)

15:00 Identification of immunoregulators from small molecule libraries and natural sources (Stefan Frischbutter, DRFZ)

15:15 Model driven identification of a therapeutic strategy of hyperammonemia (Ahmed Ghallab, IfADo)

15:30 The potential of lutein-loaded emulsions for the treatment of age-related eye diseases (Katja Frede, IGZEV)

15:45 Coffee Break

16:15 **Keynote Lecture Arnd Kieser**
(Department of Gene Vectors, Helmholtz Zentrum München):
Screening for inhibitors of the interaction between the LMP1 oncoprotein of Epstein-Barr virus and TRAF proteins

Session 3: Collections of organisms and natural products (Chair: Jörg Overmann, DSMZ)

17:00 Novel approaches to access so-far-uncultured bacteria as a source of natural compounds (Javier Pascual, DSMZ)

17:20 Organismic and compound collections at the IPB (Norbert Arnold, IPB)

17:40 Interkingdom communication – a rich source of new natural products (Christine Beemelmans, HKI)

18:00 **Report EU Openscreen**
(Ronald Frank, FMP)

Award Ceremony (Chair: Ludger Wessjohann, IPB)

18:30 “Leibniz Drug of the Year”

19:00 **Fingerfood, wine and cheese**

TUESDAY, April 28

9:00 **Keynote Lecture Sheraz Gul**
(Fraunhofer-IME SP, Hamburg):
Drug discovery outside the pharmaceutical industry: the Fraunhofer experience

Session 4: Sustainable production / biotechnology (Chair: Axel Brakhage, HKI)

9:45 Genome mining and discovery of an orphan natural product gene cluster in the human-pathogenic fungus *Aspergillus fumigatus* (Derek Mattern, HKI)

10:05 Predatory amoeba as environmental targets and potential sources of natural products (Falk Hillmann, HKI)

10:25 Coffee-Break

11:00 **Keynote Lecture Johannes Kirchmair**
(Center for Bioinformatics, Uni Hamburg)
Computational approaches to boost academic drug discovery

Session 5: Bioactive agents – non-medical applications (Chair: Dietmar Krautwurst, DFA)

11:45 Foods as a source of bioactives – Strategies for unravelling their mechanism of action (Gaby Andersen, DFA)

12:05 Cognitive enhancement by *Rhodiola rosea* in *Drosophila* and honeybees (Birgit Michels, LIN)

12:25 **Lunch**

13:30 **Member Assembly of the Research Alliance**

15:30 **End of Meeting**