

**Medicinal Chemistry in the 21st Century:
Modern Concepts to Provide Effective Therapies**

September 14th 2017, Altes Rathaus, Karmarschstr. 42, 30159 Hannover



- 10:00** **Tea and Coffee**
- 10:30 **Opening Remarks Prof. Dr Russell Cox**
Chair Prof. Dr. Markus Kalesse
- 10:30 **Prof. Dr. Dietmar Manstein** (Medizinische Hochschule Hannover & BMWZ)
Allosteric Modulation of Actomyosin-based Contractility
- 11:15 **Prof. Dr. Dario Neri** (ETH Zürich)
From encoded combinatorial libraries to targeted therapeutics
- 12:00** **Lunch**
Chair Prof. Dr. Teresa Carlomagno
- 13:30 **Dr. Wolfgang Jahnke** (Novartis Basel)
Fragment-based discovery of Asciminib (ABL001), an allosteric Bcr-Abl inhibitor for the treatment of resistant chronic myelogenous leukemia
- 14:15 **Prof. Dr. Mark Brönstrup** (HZI Braunschweig & BMWZ)
Chemical Biology Directed to Antiinfective Drug Discovery
- 15:00** **Tea and Coffee**
Chair Prof. Dr. Oliver Plettenburg
- 15:45 **Dr. Michael Wagner**, (Sanofi)
Therapeutic Peptides & Proteins for the Treatment of Diabetes
- 16:30 **Prof. Dr. Daniel Krappmann**, (HMGU, München)
MALT1 protease - from molecular mechanisms to allosteric inhibition
- 17:15** **Closing Remarks Prof. Dr. Andreas Kirschning**

The discovery of new medicines to treat devastating diseases remains a prime goal of biomedical research. However, despite involvement of significant budgets, parallelization efforts and increasing understanding of disease biology, attrition rates for drug discovery projects remain unsustainably high. This symposium is dedicated to showcase different modern approaches for drug discovery that may help to increase chances of success, design selective and safe inhibitors for therapeutic applications and ultimately provide new treatment options for diseases. New approaches for lead-finding beyond classical high throughput screens like DNA encoded libraries or fragment based approaches have significantly improved the availability of promising starting points and helped to tackle previously intractable proteins. Allosteric inhibitors pose great opportunities for achieving highly effective and selective therapeutic effects. Lastly, new concepts like targeted delivery and exploitation of alternative therapeutic entities beyond small molecules bear great promise to provide effective treatment options. We are happy to present an impressive line-up of speakers to share their experiences, insights, success stories and case studies.



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Nearest U Bahn stop: Markthalle / Landtag

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