

14.40 Uhr Pharmacogenomics and molecular docking of natural products in cancer therapy

Dr. Tolga Eichhorn
J. Gutenberg Universität Mainz

15.00 Uhr Connecting the dots: chemoinformatics, bioinformatics, and next-generation sequencing

Dr. John Castle
TRON, Mainz

**Session III:
Biomedical Integration & Future Directions**

15.20 Uhr Center for Drug Research, Development and Safety (ZAFES) – An effective platform for translational biomedical research

Dr. Torsten Arndt
ZAFES, Frankfurt

15.40 Uhr Concluding remarks & Outlook

Prof. Dr. Roland Stauber
Prof. Dr. Thomas Efferth

Participants & Sponsoring



Lageplan

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der Johannes Gutenberg-Universität Mainz
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Chemical BioMedicine in Rhine-Main – the past, present & future

**Donnerstag, 14. April 2011
9.15 – 16.00 Uhr, Geb. 708H**

Unser Wissen für Ihre Gesundheit



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MAINZ

Chemical BioMedicine in Rhine-Main – the past, present & future

Dear colleagues,

as exemplified by the pioneering work of Paul Ehrlich, „Chemical BioMedicine“ has a successful history in the Rhine-Main area, both in academia and industry. To further strengthen this tradition, we would cordially invite you to attend our first symposium „ChemBioMed“. Chemical substances can kill bacteria, prevent viral infections and hinder the growth of cancer cells. Nature and chemists have produced a virtually infinite reservoir of potential drugs that might prevent diseases and solve particular health problems. To more successfully exploit this reservoir in the future interdisciplinary scientific collaborations are however needed.

Consequently, we invited a number of excellent speakers who will present lectures on scientific as well as regulatory aspects, covering innovative targets, assay development and screening technology to new substances with activity in pre-clinical models or early clinical trials. The meeting addresses researchers from different scientific areas – medicine, chemistry, pharmacology, biology, chemoinformatics – sharing an interest in the interdisciplinary field of „Chemical BioMedicine“.

We would appreciate to welcoming you on the occasion of the symposium on April 14th, 2011 at the Medical University in Mainz.

With best regards

Prof. Dr. Roland Stauber
Prof. Dr. Thomas Efferth

Dipl. Biol. Verena Fetz

Scientific program

09.15 Uhr Welcome: Vice president for research
Univ.-Prof. Dr. Ulrich Förstermann

Introduction

Prof. Dr. Roland Stauber
Prof. Dr. Thomas Efferth

Session I:

Natural products, biomedical tools & therapeutics

09.40 Uhr Fungal secondary metabolites as lead structures for modern plant protectants and as biochemical tools for the identification of novel targets
PD Dr. Eckhard Thines, IBWF Kaiserslautern

10.00 Uhr Schwämme, die reichhaltigste Quelle von biomedizinisch interessanten Substanzen
Prof. Dr. Werner E.G. Müller,
Universitätmedizin Mainz

10.20 Uhr More biology for chemistry: New ways for natural product chemistry
Prof. Dr. Helge B. Bode,
Goethe Universität Frankfurt

– coffee break –

11.00 Uhr Naturstoffe aus Pilzen als Leitstrukturen zur Behandlung chronisch-entzündlicher und fibrotischer Erkrankungen
PD Dr. Gerhardt Erkel, TU Kaiserslautern

11.20 Uhr Naturstoffe aus Pilzen als neue anti-inflammatorische Therapeutika – Analysen in Zellkultur- und Tiermodellen für chronisch-entzündliche Erkrankungen
Prof. Dr. Hartmut Kleinert
Universitätsmedizin Mainz

11.40 Uhr Nucleo – cytoplasmic transport inhibitors: Versatile biomedical tools and potential therapeutics
Dipl. Biol. Verena Fetz
Universitätsmedizin Mainz

– lunch break –

12.20 Uhr Moguntinone – eine neue Wirkstoffklasse für die Therapie von Krebserkrankungen
Prof. Dr. Gerd Dannhardt
J. Gutenberg Universität Mainz

12.40 Uhr Histamine H3 Receptor Antagonists – From Bench to Bedside
Prof. Dr. Holger Stark
Goethe Universität Frankfurt

13.00 Uhr Cyclins and CDKs as targets for tumor therapies
Prof. Dr. Nisar Malek
Medizinische Hochschule Hannover

Session II: Synthesis, Design & Modeling

13.20 Uhr Strukturaufklärung und Synthese biologisch aktiver Naturstoffe
Prof. Dr. Till Opatz
J. Gutenberg Universität Mainz

13.40 Uhr Tailor-made miniproteins for diagnostic and therapeutic applications
Prof. Dr. Harald Kolmar
TU Darmstadt

14.00 Uhr Protein Engineering technologies to improve properties of Biologics
Dr. Björn Hock
Merck Serono, Darmstadt

– coffee break –