

WELCOME

The rising prevalence of multi-resistant pathogens poses a serious threat to global health. Collective efforts in research and innovation are crucial in developing effective strategies to combat this threat.

The international symposium "New Strategies against Multi-Resistant Pathogens" has been launched to provide a unique platform for exchanging knowledge, experiences, and the latest research findings, which are vital for the development of new diagnostic tools, successful therapies and preventive measures. The symposium will bring together leading experts, scientists and professionals from around the world to address the pressing challenges in combatting multidrug-resistant pathogens and to explore innovative approaches.

We look forward to welcoming you at this very special event and to working together with you to identify new paths in the fight against multi-resistant pathogens.

Dr. Ulrike Kaltenhauser

Prof. Dr. Horst Domdey

DIRECTIONS

Biomedical Center Munich

Ludwig-Maximilians-Universität München
Großhaderner Str. 9
82152 Planegg-Martinsried

By Train

...arriving at Munich central station, take the subway line U1 or U2 to "Sendlinger Tor"; change to the subway line U6 and get off at "Klinikum Großhadern". Change to the Bus 266 towards "Planegg" and exit it at "LMU Martinsried".

By Car

...approach the Biomedical Center from the street 'Am Klopfer-spitz'. That is where you'll also find the visitors' parking lot.

By plane

From Munich airport (MUC): Take the "S-Bahn" S8 and get off at "Pasing". Take the Bus 56 towards "Fürstenried-West". Get off at "Klinikum Großhadern Ost", cross the street and change to the Bus 266 towards "Planegg". Exit at "LMU-Martinsried". Alternatively, take the Bus 259 towards "Martinsried" from Pasing and get off at "Martinsried". It's just a short walk east to reach the BMC.



bayresq.net
Neue Strategien gegen
multiresistente Krankheitserreger
mittels digitaler Vernetzung

International bayresq.net
Symposium 2024

NEW STRATEGIES AGAINST MULTI-RESISTANT PATHOGENS

22.-23. February

Biomedical Center
MUNICH

bayresq.net wird gefördert durch
Bayerisches Staatsministerium für
Wissenschaft und Kunst



DAY 1
THU. 22.02.24

10:00 – 10:15 | Welcoming Address

Dr. Ulrike Kaltenhauser
Prof. Dr. Horst Domdey

10:15 – 12:00 | Session 1: Intro

Chair: Prof. Dr. Horst Domdey

Prof. Dr. Jochen Maas (House of Pharma & Healthcare, Frankfurt)
Renaissance of anti-infective drugs?
Lessons learned from the pandemic situation

Prof. Dr. Michael Hoelscher (LMU Munich)
Developing novel TB therapies, high hopes and big worries.
The current status of the field

Prof. Dr. Jörg Vogel (JMU Würzburg)
Towards programmable RNA antibiotics

12:00 – 13:00 | Lunch

13:00 – 15:00 | Session 2: Diagnostics

Chair: Prof. Dr. Dr. André Gessner

Prof. Dr. Sebastian Suerbaum (LMU Munich)
Genome-based diagnostics and surveillance of the human
carcinogenic bacterium *Helicobacter pylori*

Prof. Dr. Jonathan Jantsch (University Hospital Cologne)
Harnessing macrophage metabolism for infection diagnostics
and antimicrobial therapy

Dr. Elke Glasmacher (Roche Diagnostics, Penzberg)
An industry perspective: How Roche tackles chronic and/or
resistant pathogens and makes a contribution in the fight
against pandemics

15:00 – 15:30 | Coffee Break

15:30 – 18:00 | Session 3: Therapies I

Chair: Prof. Dr. Franziska Faber

Prof. Dr. Cynthia Sharma (JMU Würzburg)
Identifying stressor-regulator pairs involved in bacterial stress
response and antibiotic sensitivity as well as new antimicrobial
compounds using high-throughput approaches and machine
learning

Prof. Dr. Eleanor Stride (University of Oxford, GB)
Stimuli responsive systems for targeted delivery of antimicrobial
therapy

Dr. Robert Maccics (smartbox, Munich)
Overcoming the inhibition paradigm - smartbox' approach
towards novel small molecule antibiotics and its journey from
academia to industry

Surprise Guest
Special Lecture

18:30 – 21:00 | Dinner Buffet

DAY 2
FRI. 23.02.24

09:00 – 10:30 | Session 4: Therapies II

Chair: Prof. Dr. Markus Gerhard

Dr. Patrick Großmann (invitris, Martinsried)
Bacteriophages - the modern way

Dr. Fabian Geldmacher (Lysando, Triesenberg, FL)
From invention to cure

Prof. Dr. Yuri Gleba (Nomad Bioscience, Munich/Halle)
Bacteriocins – precision biologics for control of multi-drug
resistant Gram-negative bacteria

10:30 – 11:00 | Coffee Break

11:00 – 13:00 | Session 5: Therapies III

Chair: Prof. Dr. Andreas Wieser

Prof. Dr. Diana Dudziak (University Hospital Jena)
Understanding how the immune system distinguishes
between commensal and multidrug-resistant
Staphylococcus epidermidis strains

PD Dr. Dr. Jan Rybniker (University Hospital Cologne)
Exploiting the human B cell response for novel therapeutics
against *Pseudomonas aeruginosa*

Dr. Claudia Sala (Fondazione Toscana Life Sciences, Siena, IT)
Human monoclonal antibodies against antibiotic resistant
bacteria

Prof. Dr. Daniel N. Wilson (University Hamburg)
David vs. Goliath: Ribosome-targeting antibiotics and
bacterial resistance mechanisms

13:00 – 14:00 | Lunch

14:00 – 16:00 | Session 6: Panel Discussion

Chair: Prof. Dr. Horst Domdey
Facing AMR reality: new thinking, new acting

Introductory Talk

Dr. Maarten van Dongen (AMR Insights, Amsterdam, NL, tbc)
The paradigm shift to combat global AMR

Panellists

Prof. Dr. Jochen Maas (House of Pharma & Healthcare, Frankfurt)

Prof. Dr. Yuri Gleba (Nomad Bioscience, Munich/Halle)

Dr. Hannelore Meyer (TU Munich)

Dr. Ralf Sudbrak (Global AMR R&D Hub, Berlin)

Dr. Maarten van Dongen (AMR Insights, Amsterdam, NL)