

MITIGATING EMERGING THREATS FROM RESISTANT BACTERIAL INFECTIONS IN ASSOCIATION WITH MEDICAL DEVICES

8:00 - 8:30

Registration and coffee

8:30 - 8:45

Introduction and opening remarks Martin Andersson, Professor, Department of Chemistry and Chemical Engineering, Chalmers University of Technology, and Margarita Trobos, Associate Professor, Department of Biomaterials, University of Gothenburg

Clinical perspectives:

8:45 - 9:45

Clinical perspectives of medical device associated infections Ola Rolfson, Professor/MD Department of Orthopaedics, Sahlgrenska University Hospital, Dept of Clinical Sciences and Jonatan Tillander, MD, PhD, Dept of Infectious Diseases, Sahlgrenska University Hospital

Future industrial perspectives and advancements in the field:

9:45 - 10:15

Insight into implant-associated biological processes and microbiome for hearing implants Martin L Johansson PhD, MSc, Senior Director R&D, Oticon Medical

10:15 - 10:45

Bacterial infections and medical devices in the oral environment Herman Sahlin, Research Director, Neoss

10:45 - 11:15

Antibacterial graphene and requirements for medical device applications Martin Lovmar, Wellspect HealthCare

11:15 - 11:45

Covalently tethered antimicrobial peptides through click reactions; A modular approach to prepare surfaces with high activity and minimized resistance development Mattias Berglin, PhD, Senior Scientist, RISE

11:45 - 13:00

LUNCH BREAK

TOPIC 2: IDENTIFICATION OF STRATEGIES AND MATERIAL-RELATED SOLUTIONS TO ADDRESS THE ISSUE OF ANTIBIOTIC RESISTANCE RELATED CHALLENGES IN COMBATTING INFECTIONS

- 13:00 - 13:30** **HA^{nano} Surface - Improving the race for the surface**
Maria Holmström, PhD, Senior Scientist, Promimic
- 13:30 - 14:00** **Detecting and combating bacterial virulence in hard to heal wounds** Erik Gerner, PhD, Senior Scientist, R&D wound care, Mölnlycke Healthcare
- 14:00 - 14:30** **Amphiphilic Antimicrobial Hydrogels – Enabling Clinical Use of Antimicrobial Peptides in Medical Devices** Anand Kumar Rajasekharan, CEO, Amferia AB
- 14:30 - 15:00** **DACC-coated dressings in the prevention of wound infection** Anna Arvidsson, ESSITY, Global R&D Leader, Infection Management GMI, Health & Medical
- 15:00 - 15:30** **Closing remarks and afterwork coffee**