

## CARe annual meeting

Gothia Towers, Möllevägens gata 24, 412 51 Göteborg

### Wednesday, 11.06.

09.30	Registration and coffee
10.00	Welcome and organizational remarks (Michaela Wenzel)
10.05	<b>Session 1: Evolution and transmission</b> (Chair: Joakim Larsson)
10.05	<b>Keynote: Lance Price</b> ( <i>Department of Environmental and Occupational Health, George Washington University, USA</i> )  Global disparities in extraintestinal zoonotic <i>E. coli</i> infections: Tracing the path from food animals to people
11.05	<b>Astrid von Mentzer</b> ( <i>Department of Microbiology and Immunology, GU</i> )  Colonization factors in <i>E. coli</i> : What we know—and what we don't know
11.25	<b>Vilhelm Müller</b> ( <i>Department of Microbiology, Public Health Agency of Sweden</i> )  Surveillance of carbapenem-resistant enterobacterales in Sweden
11.45	Time to mount your posters
12.00	Lunch
13.00	<b>Session 2: Environment and policy</b> (Chair: Carl-Fredrik Flach)
13.00	<b>Joakim Larsson</b> ( <i>Department of Infectious Diseases, GU</i> )  A 17-year journey leading to a WHO guideline for management of wastewater and waste from antibiotic manufacturing
13.20	<b>Jorge Agramont</b> ( <i>Department of Life Sciences, Chalmers</i> )  Antibiotic resistance in a Bolivian river system: Impacts of sewage releases and pollution with selective agents
13.40	<b>Julian Bobis Camacho</b> ( <i>Department of Infectious Diseases, GU</i> )  Developing sewage surveillance for <i>Klebsiella pneumoniae</i>
14.00	<b>Christian Munthe</b> ( <i>Department of Philosophy, Linguistics and Theory of Science, GU</i> )  The 3D value framework for valuing sustainable access to effective antibiotics
14.20	Fika  Room check-in
15.00	<b>Session 3: New methods and approaches</b> (Chair: Michaela Wenzel)

15.00	<b>Hana Jungová</b> ( <i>Department of Physics, Chalmers</i> ) Nanomotion detection for ultrafast detection of antibiotic susceptibility
15.20	<b>John Fletcher</b> ( <i>Department of Chemistry, GU</i> ) Probing the bacterial envelope with gas cluster ion beam secondary ion mass spectrometry
15.40	<b>Emilio Rudbeck</b> ( <i>Bioinformatics and Data Center, GU</i> ) BDC: Where your data meets our expertise
16.00	<b>Maja Uusitalo</b> ( <i>Department of Chemistry and Chemical Engineering, Chalmers</i> ) Using gold nanorods and near-infrared light to develop photothermal antibacterial materials
16.20	Posters and welcome reception
18.00	Dinner

#### Thursday, 12.06.

08.00	<b>Session 4: New therapeutics</b> (Chair: Martin Andersson)
08.00	<b>Keynote: Henrik Strahl</b> ( <i>Center for Bacterial Cell Biology, Newcastle University, UK</i> ) Lysis-independent bacterial killing by cell wall-targeting antibiotics
09.00	<b>Michaela Wenzel</b> ( <i>Department of Life Science, Chalmers</i> ) Breaking intrinsic antibiotic resistance of Gram-negative and mycobacteria
09.20	<b>Ann-Britt Schäfer</b> ( <i>Department of Life Sciences, Chalmers</i> ) Novel metalloantibiotics with unique mechanisms of action
09.40	<b>Adam Hansson</b> ( <i>Department of Chemistry and Molecular Biology, GU</i> ) Cross-resistance between established membrane active compounds and novel peptidomimetics
10.00	Fika Returning room keys
10.40	<b>Session 4: Diagnostics and clinical AMR</b> (Chair: Fredrik Westerlund)
10.40	<b>Karolin Frykholm</b> ( <i>Department of Life Sciences, Chalmers</i> ) A simple experimental set-up for plasmid analysis and gene detection using optical DNA mapping
11.00	<b>Camilla Kiszakiewicz</b> ( <i>Department of Infectious Diseases, GU</i> )

	Extended-spectrum beta-lactamase (ESBL)-producing <i>Escherichia coli</i> bloodstream infections – The impact of the sources of infection on patient outcome, risk of recurrence and bacterial clones involved
11.20	<b>Carl Wikberg</b> ( <i>Allmänmedicinskt centrum, VGR</i> ) Best Assessment of Sore Throat and Antibiotic Prescribing (The BASTA Study): A pragmatic multicenter trial
11.40	<b>Liliana Andrea Morales Laverde</b> ( <i>Department of Biomaterials, Sahlgrenska Academy</i> ) Characterisation of antimicrobial resistance and biofilm formation in staphylococci retrieved from percutaneous hearing implants
12.00	<b>Jon Edman Wallér</b> ( <i>Department of Infection Prevention and Control, Södra Älvsborg Hospital, Borås</i> ) Hospital sink drains: a reservoir for multidrug-resistant bacteria
12.20	Lunch
13.20	<b>Reference group meeting</b>