

PROGRAMME BIOFILM WORKGROUP MEETING AT KONVENTUM, APRIL 19-20, 2022

Day 1

10.00-10.30: Registration, coffee & poster mounting

10.30-10.40: Welcome note by Thomas Bjarnsholt and Mette Burmølle

10.40-11.10: Keynote 1 - ***Diagnosis of biofilms in the real world***, Craig Williams, University Hospitals of Morecambe Bay, UK

11.10-11.30: Invited talk 1: ***The impact of mental models on the treatment and research of chronic infections due to biofilms***, Rune Nørager, Design Psychology, DK

11.30-12.30: Lunch and poster mounting

12.30-13.30: Poster session / Networking

13.30-14.30 Session 1 – Clinical biofilms

13.30-13.50: Invited talk 2: ***Perspective on microbial biofilms as independent***

pharmacological microcompartment, Claus Moser, Rigshospitalet, Copenhagen, DK

13.50-14.10: Collateral sensitivity in multidrug-resistant *Pseudomonas aeruginosa*, Rikke Kiilerich

14.10-14.30: The mucoid pathobiome and its clinical implications in non-Cystic Fibrosis Bronchiectasis, Laia Fernández-Barat

14.30-15:00: Coffee Break

15.00-16.00: Session 2 – Evolution in biofilms

15.00-15.20: Invited talk 3: ***What can experimental evolution teach us about biofilm biology?*** Tom Coenye, Ghent University, BE

15.20-15.40: Short-term co-evolution of *Lactococcus lactis* and *Leuconostoc mesenteroides* in biofilm accelerates variant emergence and coexistence, Heiko Kiese-walter

15.40-16.00: Evolution of biofilm-adapted gene expression profiles in clinical *Pseudomonas aeruginosa* isolates, Janne Gesine Thöming

16.00-17.15: Poster session / Networking

17.15-17.45: Keynote 2 - ***Biofilms from a chemistry perspective***, Madeleine Ramstedt, Umeå University, Sweden

18.00: Dinner

20.00: Networking

Day 2

7.00-9.00: Breakfast

9.00-10.00 Session 3 – Adhesion and molecular mechanisms in biofilms

9.00-9.20: Invited talk 4: ***Sticking like Velcro: Staphylococcal adhesion via a giant multi-domain protein***, Rikke Meyer, Aarhus University, DK

9.20-9.40: Distribution of antibiotic resistance genes in the environment: The role of micro-environments and interfacial geochemistry for ARG-transfer dynamics, Karina Krarup Sand

9.40-10.00: Profiling antibiotic resistance in Escherichia coli strains displaying differential antibiotic susceptibilities using Raman spectroscopy, Taru Verma

10:00-10.30: Coffee Break

10:30-11.30: Session 4 – Social interactions in biofilms

10.30-10.50: Invited talk 5: ***Bacterial interspecies interactions and evolution in multispecies biofilms***, Mette Burmølle, University of Copenhagen, DK

10.50-11.10: Why do they play together? Discovering positively interacting pairs of Bacillus subtilis and Pseudomonas soil isolates, Mark Lyng

11.10-11.30: Biofilms can act as plasmid reserves in the absence of plasmid specific selection, Urvish Trivedi

11.30-12.00: Coffee Break

12.00-12.30: Keynote 3 - ***Biofilm - quo vadis?*** Søren Molin, The Danish Technical University, DK

12.30-13.00: Closing by Thomas Bjarnsholt, University of Copenhagen, DK

13.00: Lunch followed by farewell