

Program KLEB-GAP digital meeting June 11-12, 2020

June 11, 10:00 to 12:00: Introduction and welcome - Arnfinn

WP1. Kp ecology and AMR in a One Health perspective

1. Brief introduction/overview WP1 and status: Iren, SUH – 10 min
2. Kp in swine and poultry (Håkon, NVI) – 15 + 10 min
3. Kp in mussels (Fredrik, IMR) – 15 + 10 min
4. Risk factors for Kp carriage in healthy humans (Niclas, UNN) – 15 + 10 min
5. Discussion (including plan how to coordinate data sets) – chaired by Iren - 30 min

Break 30 minutes

June 11, 12:30 to 13:30

SAB-member Ed Feil, University of Bath, UK

The significance of the "One Health" concept for managing antibiotic resistant Klebsiella pneumoniae

Break 30 minutes

June 11, 14:00 to 15:45

WP2. Next generation AMR-diagnostics and surveillance

1. Brief introduction/overview of WP: Arnfinn, UiT - 10 min
2. Culture, qPCR and metagenomics in Kp-detection in human fecal samples: Ken, UiT 20 + 5 min
3. Strategy in probe design for Kp-target enrichment: Kathryn, Monash – 10 + 5 min
4. Culture-independent plasmid capture method for studying resistance plasmids in the environment: Nachiket, IMR – 15 + 5 min.
5. WPs news from NVI: Håkon – 15 min
6. Discussion 20 min

June 12, 09:00 to 10:30

WP3. Geno- and phenotype associations in AMR and virulence prediction

1. Brief introduction/overview of WP: Ørjan, UNN - 10 min
2. Genotype-phenotype associations virulence: Jose, QUB - 20 + 10 min
3. Genotype-phenotype associations AMR: Ørjan/Dorota, UNN/UiT - 20 + 10 min
4. Discussion 20 min

Break 30 minutes

June 12, 11:00 to 12:00

SAB-member Martha Clokie, University of Leicester, UK

"Choose your cocktail wisely; steps to take phages closer to a clinical product".

Break 30 minutes

June 12, 12:30 to 14:00

WP4. Phage therapy against MDR-Kp.

1. Introduction/overview of WP: Christian, KI – 10 min
2. Characterization of phages: Anni, KI - 20 + 10 min
3. Update on colonization of mice with selected isolates: José/Christian - 20 + 10 min
4. Discussion 20 min

Partner institutions and project partner:

1. UiT – the Arctic University of Norway, Tromsø, Norway (**UiT**): Arnfinn
2. Stavanger University Hospital, Stavanger, Norway (**SUH**): Iren
3. University Hospital of North Norway, Tromsø, Norway (**UNN**): Ørjan and Gunnar
4. Norwegian Veterinary Institute, Oslo, Norway (**NVI**): Marianne and Anne-Margrete
5. Institute of Marine Research, Bergen, Norway (**IMR**): Bjørn-Tore
6. Institut Pasteur, Paris, France (**IP**): Sylvain
7. Karolinska Institutet, Stockholm, Sweden (**KI**): Christian
8. Queen's University of Belfast, Belfast, UK (**QUB**): José
9. Monash University, Melbourne, Australia (**Monash**): Kathryn
10. ACD Pharma, Oslo, Norway (**ACD**): Cyril

June 12, 14:15 to 15:30

Project management meeting: Partners + SAB

1. Overall status and progress WP1-4: **WP-leaders 20 min**
 - i. Delays due to Covid-19: document per WP
 - ii. Trond Mohn foundation letter – prolongation of the project 6 months
2. AMR-BRIDGE project (see enclosure): **Arnfinn – 10 min**
 - Take up the AMR –BRIDGE project
3. NeLS storage platform – presentation: **Dorota, UiT – 10 minutes**
4. Economy – **Arnfinn 10 min**
 - Gift reinforcement system – in pressure
 - Not affect employment – but the extent of the analysis to be performed
 - Search for other funding opportunities: Nanopore-seq
5. Meeting 2021 – actual dates: **Arnfinn and Iren**
6. Other businesses: WP-specific meetings, bioinformatic-network