One Health EJP
Dissemination Workshop Series:
METAGENOMICS

27th OCTOBER 2021

CET

10.00 — **Welcome from Work Package 5 Science to Policy Translation of the One Health EJP**

10.05 — **Introduction to Metagenomics**
Steven van Borm

10.25 — **Antimicrobial Resistance Identification**
The global microbiome: global dynamics of sewage bacterial resistome and Tanzanian hominidae projects
Saria Otani

10.40 — Plasmid reconstruction from metagenomics datasets
Saria Otani

10.55 — **Food/Feed Chain Safety**
Strain-level shotgun metagenomics for the detection and characterization of bacterial foodborne contaminants in the context of outbreak investigation and EU regulatory enforcement
Florence Buytaers and Sigrid De Keersmaecker

11.10 — **Discovery of Emerging Viral Threats**
Solving the Zoonotic Sars-CoV-2 outbreak in mink by WGS using nanopore (MinIon) technology
Anders Fomsgaard

11.20 — Identification of a new Beta-CoV by metagenomics microarray and metagenomics sequencing of Danish bats
Anders Fomsgaard

11.30 — *Break*

11.45 — **Diagnostics**
Metabarcoding platform for diagnostics
Rune Stensvold and Pikka Jokelainen

12.00 — From research tool to a diagnostic method: development of an internal control for RNA virus diagnostic metagenomics
Steven Van Borm

12.15 — **Conclusions and discussion**
Applications and possibilities

Limitations of metagenomics approaches, challenges (e.g. GDPR and ethical aspects), and solutions

Needs of policy makers and needs of scientists

Simone Caccio

13.00 — **Close**

IMAGE: PXHERE