

Agenda - Session 1	Speakers	Hours
<i>ECDC introduction and rules of conduct</i>	Dr Luca Freschi (ECDC, Sweden)	13:00 – 13:10
1. Introduction to poliovirus evolution (45 min) ○ Poliovirus & other enteroviruses: genome organization & evolution ○ Poliovirus vaccine strains: attenuation determinants & reversion ○ Importance of poliovirus genetic characterization for eradication ○ Q&A	Dr Maël Bessaud (Institut Pasteur, Paris, France)	13:10 – 13:55
Break		13:55 – 14:05
2. Poliovirus surveillance in the EU/EEA (45 min) ○ Surveillance objectives and ongoing efforts ○ European genomic surveillance of Polio ○ Q&A	Dr Silvia Funke (ECDC, Sweden) Dr Luca Freschi (ECDC, Sweden)	14:05 – 14:50
Break		14:50 – 15:00
3. Epidemiology and genomic surveillance (45-60 min) Alexander ○ Nanopore sequencing and introduction to DDNS (method overview) ○ Intro to Piranha and demo Darlan ○ Virus evolution ○ Genomic epidemiology ○ Applications and examples from other outbreaks ○ Q&A	Dr. Alexander Shaw (Imperial College London, UK) Dr Darlan De Silva Candido (Imperial College London, UK)	15:00 – 15:45
4. Practical exercise: Genomic analysis of Human poliovirus (15-30 min) Introduction of the exercises: ○ Virus and serotype identification using VP1 sequences (publicly available data) ○ Outbreak analysis using sequences from DDNS from DRC (tbc)	Dr Darlan De Silva Candido (Imperial College London, UK)	15:45 – 16:15
Conclusion and Q&A		16:15 – 16:30