



Agenda

**NRL-GMFF Training Workshop**  
**Next Generation Sequencing**  
**and Galaxy platform**  
**- part 1 -**

Virtual

24 November 2022

**The European Commission's**  
**science and knowledge service**

Joint Research Centre

# NRL-GMFF Training Workshop

## Next Generation Sequencing and Galaxy platform

24 November 2022



- 09:00-09:05 **Welcome – opening of the session**
- 09:05-10:25 **Introduction to Next Generation Sequencing**
- 09:05-09:35 **"High throughput sequencing technologies and their impact in science"**  
Luca Cozzuto/CRG (ES)
- 09:35-10:05 **"Next Generation Sequencing - technologies and laboratory requirements"**  
Jörn Lämke/BVL (DE)
- 10:05-10:25 **"Putting Illumina microbial whole genome sequencing under ISO accreditation – an inspiration for the GMO field?"**  
Sigrid De Keersmaecker/Sciensano (BE)
- 10:25-10:40 Coffee break
- 10:40-11:40 **Case studies**
- 10:40-11:00 **"Detection and characterization of GMOs with High Throughput Sequencing combined with enrichment technologies"**  
Frédéric Debode/CRA-W (BE)
- 11:00-11:20 **"NGS and climate changes: a powerful tool for studying plant response to stress"**  
Primetta Faccioli/CREA (IT)
- 11:20-11:40 **"AGES workflow for species identification using NGS"**  
Rupert Hochegger/AGES (AT)
- 11:40-11:45 Short break
- 11:45-12:45 **Bioinformatics**
- 11:45-12:45 **"Assessing NGS (Illumina) data quality"**  
Raf Winand/Sciensano (BE)
- 12:45-12:55 **Discussion/Q&A**
- 12:55-13:00 **Wrap-up and closure of the meeting**