ENNGS
ESCV NETWORK ON NEXT-GENERATION SEQUENCING

ENNGS Workshop

Clinical Genomics and Metagenomicsin Transplantation:From Pathogen Detection to Patient Management

14 January2027, Institut Imagine,Paris

08:30–09:00 Welcome and registration

09:00–10:30 SESSION 1: METAGENOMIC APPROACHES IN TRANSPLANTATION

- The impact of clinical metagenomic testing on transplant patient management: facts versus fantasy Cell
- Free DNA metagenomics in transplant patients: a new window into infection?

10:30–11:00 Coffee Break

11:00–12:30 SESSION 2: VIRAL GENOMICS IN THE TRANSPLANT PATIENT

- Watching respiratory viruses evolve: NGS in transplant recipients
- When CMV antivirals fail: detecting resistance by NGS

12:30–13:30 Lunch

13:30–15:00 SESSION 3: SELECTED ORAL PRESENTATIONS

Recent research in infectious agent genomics in transplant /immunocompromised patients (6–8 presentations selected from submitted abstracts).

15:00–15:30 Coffee Break

15:30–16:30 ENNGS IN ACTION: ONGOING PROJECTS

- Finding the unexpected: virus discovery by NGS, An ENNGS clinical virus discovery readiness study
- Metagenome in a bottle: towards better NGS benchmarking

16:30–18:00 Session 4: Hands-on Workshop – From Raw Reads to Clinical Answers

Participants will be divided into two or three parallel groups, depending on room availability.

- Group 1: Build the Pipeline, From raw reads to quality-controlled data
- Group 2: Find the Variant , Genome assembly, resistance mutations and viral quasispecies
- Group 3: Make the Call, From NGS result to clinical interpretation and report

18:00 Wrap-up and Closing Remarks

19:00 Networking Dinner