



2P4S2F

SUMMER SCHOOL

PLANT PATHOGENOMICS FOR A SUSTAINABLE FUTURE OF FOOD

 23-27 JUNE, 2025

 BOLOGNA, ITALY

CONFIRMED SPEAKERS:

Megan McDonald – University of Birmingham

Michael Seidl – Utrecht University

Lea Atasanova – Boku University

Daniel Croll – University of Neuchâtel

Riccardo Baroncelli – University of Bologna

Luigi Faino – Sapienza University of Rome

Alessandra Villani – National Research Council (CNR-ISPA)

Edoardo Scali – University of California, Berkeley

Matteo Schiavinato – Sequentia Biotech

For details and registration, visit:

www.2p4s2f.com

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PLENARY LECTURES

The program includes eight plenary talks on key topics such as:

- Whole-genome sequencing for microbial characterization
- Transposable elements and microbial adaptation
- Comparative genomics in host-microbe interactions
- Functional genomics of pathogenicity and beneficial traits

HANDS-ON BIOINFORMATICS TRAINING

Afternoon workshops will focus on:

- Experimental design and sequencing techniques
- Quality control of high-throughput sequencing data
- Genome assembly using short- and long-read technologies
- Comparative analysis of genome assemblies
- Gene prediction and functional annotation
- Differential gene expression (depending on the time constraints)

Participants will have the unique opportunity to sequence their own microbial sample! Each selected participant will provide a sample for whole-genome sequencing and the resulting data will be used during the workshops.

WHY ATTEND?

- Gain hands-on experience with your own genomic dataset
- Develop essential bioinformatics skills
- Network with leading experts and fellow researchers
- Enjoy the academic and cultural atmosphere of Bologna

COST & APPLICATION

- Fee: €750 (includes training, sequencing of one sample, coffee breaks, lunches, and social dinner)
- Limited to 40 participants to ensure an interactive learning experience
- Selection via online application

