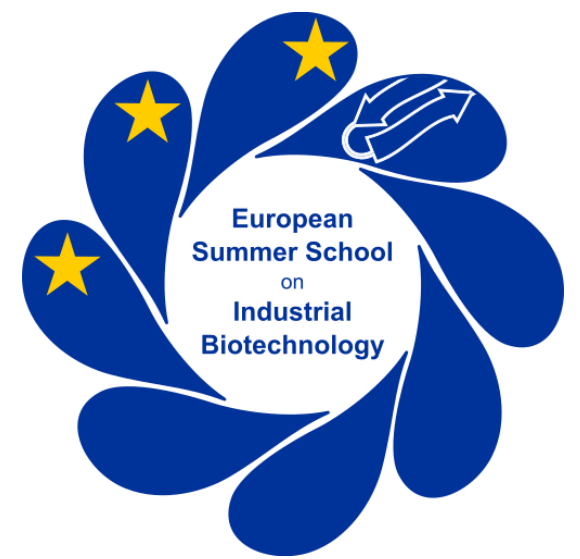




Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG

Mikrobiologie
und Biotechnologie



5. European Summer School on Industrial Biotechnology

Functional metagenomics: from nature to biochemical functions

HAMBURG, JULY 3-6, 2023

The European Summer School on Industrial Biotechnology (ESSIB) is an annual advanced training course for PhD students and postdocs, preferably (but not exclusively) from European countries with research projects in the fields of biotechnology, biochemistry, molecular biology, biochemical engineering, and bioinformatics. The 5th ESSIB will summarize the current knowledge in the field of functional and applied metagenomics. It will point out bottlenecks and challenges in the field of enzyme mining and give insights into novel technology developments using functional and *in silico* mining with a special focus on plastic-degradation. The 5th ESSIB hosted by the University of Hamburg and co-organized by the University of Milano-Bicocca and the University of Stuttgart

CONFIRMED LECTURERS

Rolf Daniel (University of Göttingen)
Jennifer Chow (University of Hamburg)
Andrew Pickford (University of Portsmouth)
Jürgen Pleiss (University of Stuttgart)
Manuel Ferrer (CSIC Madrid)
Ruth Schmitz (University of Kiel)
Ute Hentschel (Geomar, Kiel)
Peter Golyshin (University of Bangor)
Federica Bertocchini (CSIC, Madrid)
Ren Wei (University of Greifswald)
Victor Guallar (University of Barcelona)
Stephan Kolkenbrock (Altona Diagnostics, Hamburg)
Karl-Erich Jaeger (University of Düsseldorf)
Rainhard Koch (formerly Bayer)

MAJOR TOPICS

- 1) Finding genes and enzymes
- 2) Mining the sea
- 3) Finding plastic-active enzymes & others
- 4) From (meta) genomes to applications

PRACTICAL COURSES

- 1) Cell-free expression
- 2) Screening activities of novel enzymes
- 3) Computational tools for metagenomic enzyme search

FEES AND REGISTRATION

The policy of our Summer School is to keep fees low in order to enable the participation of young researchers. The course fee is 150 €, including lunch and workshop dinner.

APPLICATION

Submit the application form by March 31, 2023.

MORE DETAILS AT: WWW.ESSIB.EU

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University of Hamburg

WWW.BIOLOGIE.UNI-HAMBURG.DE/MBIO