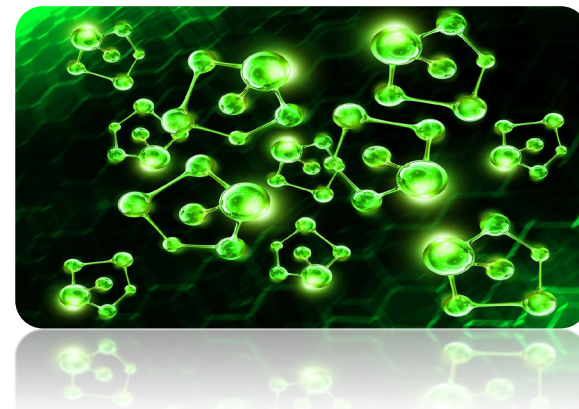


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Intensifying and expanding biocatalytic processes

Biocatalysis offers a powerful and sustainable route to chemical synthesis, potentially combining selectivity with a low environmental footprint. Realising its full industrial potential relies on two key advances: 1) process intensification using continuous-flow systems, enzyme immobilisation, and integrated reactors to boost efficiency and scalability 2) biocatalytic expansion, which extends enzyme reactivity through protein and metabolic engineering. Together, these approaches are transforming biocatalysis into a mature industrial technology, paving the way for greener, smarter chemical manufacturing. This lecture will illustrate these concepts with examples from both the literature and our own work.



Thursday
October 30, 2025



4.30 pm
to 5.30 pm



U1-ATLAS building
room U1-06



Host:
Simone Guglielmetti



The certificates of attendance for the seminar are also valid for the acquisition of CFU credits
For information, please visit the seminar's webpage