

📅 10 April 2025 📍 Centro Cultural La Corrala, Madrid

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Biocatalysis for more sustainable consumer products

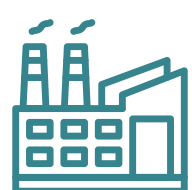
From theory to industrial application

In this event, we aim to bring **early-stage researchers** in contact with the latest developments on the field of **enzymes for greener consumer products** through four EU research projects: OxiPro, EnXylascope, FuturEnzyme and RadicalZ.

This **free activity** is aimed at senior undergraduates, Master students, Ph.D. candidates and early post-docs, with a limit of 40 attendees. In a **series of mini-lectures, industrial and academic speakers** will bridge the theoretical framework with relevant examples of research carried out in the last 4 years in the frame of EU-funded projects in the **Cluster Enzymes for Greener Consumer Products**.



Understand the underlying **theoretical concepts** behind the most recent embodiments of information-rich and information-agnostic methods **for enzyme discovery and engineering**.



Receive first-hand information from **industrial stakeholders about current applications** of enzymes in several consumer products and future developments



Be aware of the relevance of **process models and metrics** towards application development



Discover how **communication, ethics and policy** pave the way towards the **implementation** of enzymes in consumer products.

This training event also includes ample **networking time** and (voluntary) **poster sessions** for attendees to disseminate their ongoing work on the field of biocatalysis, circular economy or consumer products.

Event organised by the Cluster "Enzymes for Greener Products"



Agenda

9:15	Registration
9:30	Welcome and cluster introduction Aurelio Hidalgo– Centro de Biología Molecular Severo Ochoa Carolina Peñalva – AITIIP Manuel Ferrer – Institute of Catalysis (CSIC) Gro Bjerga – NORCE
10:10	Computational approaches to enzyme discovery Victor Guallar – Barcelona Supercomputing Center
10:50	Coffee break
11:10	Functional metagenomics for enzyme discovery Manuel Ferrer – Institute of Catalysis (CSIC)
11:50	Enzyme discovery and engineering with ultrahighthroughput Fabrice Gielen – University of Exeter
12:30	Industrial talk 1. From waste to value: novel enzymes for marine biorefinaries Gro Bjerga – NORCE
13:20	Lunch + Poster session
14:10	Industrial talk 2. Comparison of α -glucuronidase production by <i>Escherichia coli</i> HMS174(DE3) and BL21(DE3) and consequences for industrial application Dr. Yanfang Wang – TU Delft.
14:50	Productivity and sustainability metrics to guide process design Zvezdana Findrik –University of Zagreb Pablo Domínguez de María – Sustainable Momentum, SL.
15:30	Coffee break
15:50	Communicating complex science to diverse audiences in multi-format Nerea Felices – Scienseed
16:30	How regulatory, ethical and policy aspects impact research on enzymes for greener consumer products Lesley Tobin – Communication, Dissemination and Policy lead - REDINN / OXIPRO
17:10	Closing remarks Aurelio Hidalgo – Centro de Biología Molecular Severo Ochoa
17:15	Networking with speakers + poster session



A combined "Cluster Enzymes for Greener Products" initiative between four projects that have received funding from the European Union's Horizon 2020 research and innovation programme under the Grant Agreement numbers 101000560 (RadicalZ), 101000327 (FUTUREZYME), 101000607 (OXIPRO), 101000831 (EnXylaScope)

