



The Invitation



In collaboration with BIOCATFLY project

BIOCTANE Training School 2026

Heterogeneous Catalysis & Waste-to-SAF Pathways

Join our 2-day scientific school. Explore advanced thermochemical conversion, Zeolites 4.0, and the future of low-carbon fuels.

WHY ATTEND?

- Learn from international experts in catalysis, SAF production, and hydrothermal processes.
- Network with researchers from IMDEA Energy, URJC, PSI, ITQ/UPV-CSIC, UFRGS, and Repsol.
- Discover the technological pathways behind the BIOCTANE project.

EVENT DETAILS

DATES: 28-29 April 2026

LOCATION: Universidad Rey Juan Carlos (URJC),
Móstoles Campus

FREE OF CHARGE

Registration Required

Register here:
[Microsoft forms link](#)



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Scientific Agenda & Expert Lectures

A comprehensive curriculum on Decarbonization and Catalysis

TUESDAY, 28 APRIL (Day 1)

- 15:10 – 15:30 **Opening Remarks: BIOCTANE in 20 minutes: from wet organic waste to drop-in jet fuel**
– Patricia Pizarro (Coordinator)
- 15:30 – 16:30 **Expert Lecture 1: Zeolites 4.0: Emerging Strategies and AI-Driven synthesis**
– Manuel Moliner (ITQ/UPV-CSIC)
- 16:30 – 17:00  **COFFEE BREAK & NETWORKING**
- 17:00 – 18:00 **Expert Lecture 2: Heterogenized Metal Complexes and MOF-Derived Systems for Advanced Transformations**
– Katia Bernardo-Gusmão (UFRGS)

WEDNESDAY, 29 APRIL (Day 2)

- 09:30 – 10:30 **Expert Lecture 3: SAF and Low-Carbon Transport Fuels: Current Status and Outlook**
– Berta Cabello Calvo (Repsol)
- 10:30 – 11:30 **Expert Lecture 4: Turning Wet Solid Organic Waste into resources via Hydrothermal Gasification**
– David Baudouin (PSI)
- 11:30 – 12:00  **COFFEE BREAK & NETWORKING**
- 12:00 – 13:00 **Expert Lecture 5: Catalysts for efficient HDO of bioderived precursors into jet-fuel range alkanes**
– Adrián García Moreno (URJC)
- 13:00 – 14:00 **Expert Lecture 6: Scaling Up SAF and e-Fuel Technologies**
– Marco Ranocchiari (PSI - to be confirmed)
- 14:00 – 15:00  **INFORMAL LUNCH**
- 15:00 – 16:00 **Expert Lecture 7: European and international projects: From Proposal to Implementation**
– Lucía Martín Castillo (URJC)
- 16:00 – 18:00 **Expert Lecture 8: AI tools in research – Theory and practice**
– IMDEA Energy Speaker



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NotebookLM