

Tuesday May 6th 2025 - Day 1

- 09:00 to 09:20 - Registration and Welcome Coffee
- 09:20 to 09:30 - Welcome & Introduction

Chair TBA

- [09:30 to 10:10 - Wolfgang Zimmermann - Biocatalytic degradation of plastics](#)
- [10:10 to 10:50 - Vicent Moliner - Towards to computational assisted \(re\)design of new enzymes for the recycling and upcycling of synthetic polymers](#)
- 10:50 to 11:20 - Coffee Break
- [11:20 to 12:00 - Georg Künze - Computational engineering of polyester hydrolase Leipzig 7 for efficient PET depolymerization under low buffer concentrations](#)
- [12:00 to 12:40 - Federica Bertocchini - Plastic degradation by wax worm enzymes: molecular insights from structural analysis](#)
- 12:40 to 14:00 - Lunch Break + Poster Set Up

Chair TBA

- [14:00 to 14:40 - Cristiano Varrone - Challenges in scaling up bioprocess for chemo-enzymatic depolymerization and upcycling of plastic waste](#)
- [14:40 to 15:20 - Belén Taroncher Ruiz - Enzymatic Plastic Recycling: From Research to Industrial Application – Opportunities and Success Stories.](#)
- 15:20 to 16:00 - Coffee Break + Poster Session
- 16:00 to 17:00 - Contributed Talks
- [16:00 to 16:20 - Ania Di Pede - Mattatelli - A new life for plastic bottles: Novel computational approaches for the development of new bio-catalysts for plastic-degradation](#)
- [16:20 to 16:40 - Dominique Rocher - Enzymatic Hydrolysis of Bioplastics and Development of Scalable End-of-Life Solutions for Mixed Waste Streams](#)
- [16:40 to 17:00 - NITISH JEYARAJ SUJA - Investigation of Temperature Effects on PETase and its Engineered Variants](#)
- 17:00 to 17:30 - Panel Discussion
- 17:30 to 18:30 - Aperitif

Wednesday May 7th 2025 - Day 2

Chair TBA

- [08:45 to 09:25 - Peter Westh - Can kinetic analyses nourish the meeting of computations and experiments](#)

- [09:25 to 10:05 - César A. Ramírez-Sarmiento - Designing Novel Polyethylene Terephthalate Hydrolases using Deep Learning](#)
- [10:05 to 10:45 - Diego Jimenez - Engineering soil microbiomes to transform polyethylene terephthalate](#)
- 10:45 to 11:15 - Coffee Break + Poster Session
- [11:15 to 11:55 - Erik Butenschön - Solution- and solid-state NMR approaches to explain enzymatic PET degradation](#)
- [11:55 to 12:35 - Guy Lippens - NMR studies of an improved PETase](#)

Lunch Break (12:35 to 14:00)

Chair TBA

- [14:00 to 14:40 - Birgit Strodel - Investigating PETase Binding Dynamics for Enhanced PET Degradation](#)
- [14:40 to 15:20 - Nicolas Panel - Computer-aided engineering of enzymes for plastic depolymerization : the case of PLA-depolymerases](#)
- 15:20 to 16:00 - Coffee Break + Poster Session
- 16:00 to 17:00 - Contributed Talks
- [16:00 to 16:20 - Miguel A. Maria-Solano - An allosteric perspective on PET degrading enzymes](#)
- [16:40 to 17:00 - Alessia De Piero - Development of Automated Workflows for Biodegradability Modeling](#)
- 16:20 to 16:40 - Registration
- 17:00 to 17:30 - Breakout Sessions
- 20:30 to 00:00 - Social dinner

Thursday May 8th 2025 - Day 3

Chair - Francesco Colizzi

- [09:00 to 09:40 - Sierin Lim - PET Biodegradation: The Enzyme and the Process](#)
- [09:40 to 10:20 - Pedro A. Fernandes - Computational studies on plastic biodegradation](#)
- [10:20 to 11:00 - Eva Garcia Ruiz - Harnessing evolution for enhanced PET biodegradation.](#)
- 11:00 to 11:20 - Coffee Break
- [11:20 to 12:00 - Gianluca Molla - Beyond Recycling: Harnessing Evolved PET Hydrolases in Enzymatic Cascades to Capture and Upcycle Elusive Plastic Waste](#)

- [12:00 to 12:40 - Lucia Gardossi - The potential of biocatalysis for the eco-design of new biodegradable sustainable polymers](#)
- 12:40 to 14:00 - Lunch Break

Chair TBA

- [14:00 to 14:40 - Peter Fojan - Plastic depolymerisation with de novo designed proteins](#)
- [14:40 to 15:20 - Onur Turak - Expanding the PETase sequence space](#)
- [15:20 to 16:00 - Thomas Bayer - Identification and engineering of promiscuous amidases for the depolymerization of plastics](#)
- 16:00 to 16:30 - Coffee Break
- 16:30 to 17:30 - Contributed Talks
- 17:30 to 18:30 - Breakout Sessions
- 18:30 to 19:00 - Closing Word

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