

POLYMERS FOR HEALTH-CLUSTER WORKSHOP

Connecting Research Groups at POLYMAT

📅 May 18th

🕒 10:00h

📍 Bilbao School of Engineering

🎯 **Bringing together the different research groups that form the Polymers for Health cluster at POLYMAT, fostering internal collaboration, knowledge exchange, and future joint initiatives.**

📅 Program & Agenda

10:00 - 10:10 Welcome & Opening Remarks

10:10 - 10:30 Sara Martín-Colomo (Group of Science and Engineering of Polymeric Biomaterials)

Engineering nanozyme-loaded hydrogels to modulate microglial response to oxidative stress and inflammation.

10:30 - 10:50 Julian Fuentes (Group of Multifunctional Protein-polymer Hybrids)

Development and characterization of human platelet lysate-derived nanoparticles for drug delivery applications.

10:50 - 11:10 Martin Trapero Sempere (Group of Polymers for Bioelectronics)

Photodriven ion transport through an Organic Mixed Ionic Electronic Conductor (OMIEC): Towards light-gated ion pumps.

11:10 - 11:30 ☕ Coffee Break

11:30-11:50 Xabier Larrañaga (Group of Science and Engineering of Polymeric Biomaterials)

Polylactide in Motion: Insights from the ZIBIO Group.

11:50 - 12:10 Francesca Perin (Group of Responsive Polymers for Therapeutics)

Development of sensing bioinks to model infections in vitro.

12:10 - 12:30 Maria Soledad Orellano (Group of Responsive Polymers for Therapeutics)

Multifunctional nanogels targeting persistent Staphylococcus aureus: a novel strategy for bovine mastitis.

12:30 - 12:50 Rakesh Kumar Maji (Group of Responsive Polymers for Therapeutics)

Next generation supramolecular bioadhesives with potent antibacterial and antibiofilm performance.

12:50 - 13:10 Maite Garcia Hermosa (Group of Smart Materials for Tissue Regeneration)

Ultrasound-activated scaffold materials for osteochondral interface regeneration.

13:10 - 13:50 🏭 Guided Tour of the Laboratory

14:00- 🍴 Lunch & Networking