3rd PhD Day Program 2026			
Time	**Talk**	**Speaker**	**Chair**
9:00–9:05	Welcoming speech	PhD-Day Committee	—
9:05–9:20	Engineering Light's Momentum: Optical Tweezers	Enrique Ayllón	María García Alonso
9:20–9:35	Addressing the Correlation and Intensity of Light Emitted by Two Coupled Quantum Emitters (remotely)	Shiyue Zang	María García Alonso
9:35–9:50	Hardware-aware quantum circuits for scalable dissipative dynamics	Benjamín Tirado	María García Alonso
9:50–10:05	Predicting adsorption capacity of pharmaceuticals through deep learning	Amaia Elizaran	Sebastián Jiménez Millán
10:05–10:20	Engineering Dual Iron Environments in Ca^{2+}/Fe^{3+}-Pectin Networks for Multi-Contaminant Water Remediation	Renata Matekalo	Sebastián Jiménez Millán
10:20–10:35	Membrane Lipid Composition and Amino Acid Sequence Determine Binding of SARS-CoV-2 Fusion Peptides	Sebastián Jiménez Millán	Farouk Usman Baffa
10:35–10:50	Psychological well-being plan 2026–2029 at MPC	Garau	—
10:50–11:00	Questions and discussion	—	—
11:00–12:00	**COFFEE BREAK & POSTER**		
12:00–12:15	Hydrophobicity gradients control function in short peptide self-assembled nanostructures	Irene Toledo	Farouk Usman Baffa

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Time	**Talk**	**Speaker**	**Chair**
12:15–12:30	Designing molecular sensors to unveil the origin of the Universe	Alfonso Yubero	David Caldevilla Asenjo
12:30–12:45	Topological magnetic moiré heterostructures (remotely)	Aymeric Saunot	David Caldevilla Asenjo
12:45–13:00	Floquet Engineering in Extended Systems: From First-Principles Materials Modeling to Electrostatic Superlattices	Asier Ribechini Álvarez	Francesc Ballester
13:00–13:15	(Title to be defined)	Andreas Almanric	Francesc Ballester
13:15–13:30	Structure, Dynamics, and Phase Segregation of Bottlebrush Polymers	Marta Aldecoa Ortueta	Sruthibhai P V
13:30–13:45	Upcycling Polystyrene Waste into Catalytically Active Single-chain Nanoparticles via Schiff Base Crosslinking	Mikel Iguaran	Sruthibhai P V
13:45–14:00	Questions and discussion	—	—
14:00	**LUNCH**		