



Scientific Day of A-RPE

19 mars 2026

ChimieParisTech, 11 rue Pierre et Marie Curie, 75005 PARIS

Program

9:45 Welcome, coffee

10:00 Opening **Sébastien Blanchard**, Chairman of A-RPE

10:10-10:30 General assembly

10:30-11:15 **Invited speaker: Pr. Enrica Bordignon** "EPR and MD simulations unravel dynamic protein complexes at mitochondrial membranes", University of Geneva

11:15-11:35 **Anton Ashuiev** "Characterization of active sites of ethylene polymerization heterogeneous Ziegler-Natta catalysts by EPR hyperfine spectroscopy and DFT computations ", G. Jeschke lab, ETH Zürich, now eMOCA, IPCM, Sorbonne Université

11:35-11:55 **Elisabetta Mileo** "Probing Protein Structural Dynamics within Cells by Nitroxide-Based In-Cell EPR", BIP, Aix Marseille Université

11:55-12:15 **Jean-Gabriel Hartmann** "Optimal control techniques for high-fidelity quantum gates on molecular spins in pulsed EPR spectroscopy", POMAM, Université de Strasbourg

12:15-13:45 **Lunch break**

13:45-14:30 **Invited speaker: Pr. Benoît Collasson** "Radical formation within the structure of a self-assembled hexameric resorcinarene capsule", LCBPT, Université Paris Cité

14:30-15:05 **PhD awardee "Advance user"*: Clara Piersson** "Mechanisms of membrane-induced Tau aggregation ", CBMN, Université de Bordeaux



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15:05-15:25 **Rémy Dassonneville** "Using quantum coherence of non-Kramers electron spins as a quantum sensor of angular vibrations", IM2NP, Aix Marseille Université

15:25-15:45 **Ingrid Wehrung** "Decoding LPMO Structure by combining Theoretical and Experimental EPR Spectroscopy", iSm2, Aix Marseille Université

15:45-16:05 **Zhiyu Jeff Sun** "Next-Generation EPR: Combining High-Performance Q Band Instrumentation with Artificial Intelligence Enhanced Spectral Processing", CIQTEK Co., Ltd.[#]



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16:15 Closing remarks, **Sébastien Blanchard**