



1st year Ph.D. Research Project Presentations

18 February 2026

Room U1.3

Department of Chemical and Geological Sciences – UniMoRe - Via Campi, 103

18 February (8:50– 16:00) Room U1.3

08:50 **Marina Cocchi** - Welcome

09:00 **Stefano BARATTI** - Organometallic complexes bearing salmen and salben ligands and their applications in catalysis (SC: *Rigamonti, Fantasia, Roncaglia, Mazzoni*)

09:30 **Marianna BURELLO** - Electro-organic chemistry in action: processes and products (SC: *Pigani, Roncaglia, Rigamonti, Fontanesi*)

10:00 **Antonio FAMILIARI** - Advanced first-principles and machine learning modelling of polyanionic glasses and glass-ceramics for energy storage applications (SC: *Pedone, Ori, Rogez, Faglioni*)

10:30 **Viola FILIPPINI** - Circular economy applied to nature-based solutions for carbon capture and storage from biomass, effects of innovative compost on soil fauna and vegetation for a sustainable and regenerative agriculture (SC: *Guidetti, Rebecchi, Allesina, Antisari*)

11:00 **Joel JAMBALOS** - Electrochemical study and scale up of metal anode hybrid battery supercapacitor devices (SC: *Paoletta, George, Tsipas*)

11:30 **Mirco RIVI** - Multiparametric analytical approaches for the characterization of agri-food supply chains (SC: *Marchetti, D'Eusanio, Pigani, Bontempo*)

12:00 **Pietro SAGUATTI** - Deep-time variability in submarine landslide activity and potential links to margin climate and tectonics (SC: *Maselli, Rovere, Corsini, Ogata*)

12:30-14:50 **BREAK**

15:00 **Manuele ROSSI** - Next frontier of solid state electrolytes to overcome lithium metal batteries challenges (SC: *Paoletta, Soavi, Dollè*)

15:30 **Chiara LOSI** - Hemo-Devo: cell diversity of molluscan hemocytes and its relevance for developmental immunology (SC: *Malagoli, Gerdol, Hillyer*)

*online on Teams channel at this [link](#)