

PhD symposium – PROGRAM

Nuovi Istituti Biologici - Corpo C – Via Luigi Borsari, 46

Wednesday, June 18, 2025 (aula D5)

9:30 - 9:35	Welcome and Opening
9:35 - 10:00	KN1: "" Dr. Dimitri Bacco Ph.D. in Chemistry (Arpa Emilia-Romagna CTR-QA Bologna)
10:00 - 10:15	O1: "Unveiling the dualistic activity of cortisone derivatives: emerging antioxidant and antiinflammatory corticosteroids" Filippo Marchetti
10:15 - 10:30	O2: "Shedding light on metal-induced amide deprotonation in peptide binding of divalent metal ions" Silvia Leveraro
10:30 - 10:45	O3: "New drug delivery strategies for mitigation of foreign body response in peripheral nerve implants" Michele Albicini
10:45 - 11:00	Break
11:00 - 11:25	KN2: "" Dr. Raffaello Mazzaro , PhD Assistant Professor (Department of Physics and Astronomy Alma Mater Studiorum – Università di Bologna)
11:25 - 11:40	O4: "Passive sampling and chemical characterization of skin metabolic emissions" Riccardo Di Stefano
11:40 - 11:55	O5: "RUST POWER: α -hematite electrodes for solar concentration photoelectrolysis" Anna Ianniello
11:55 - 12:10	O6: "From sunlight to chemicals: solar-powered CO ₂ reduction to C ₂ value-added products" Alberto Magliocco
12:10 - 12:25	O7 (online): "Understanding charge transfer mechanism accross BiOI/ZnO interface" Ribhu Bhatia
12:25 - 14:00	Lunch break (on your own)
14:00 - 14:25	KN3: "" Prof. Rossella Dorati PhD, MBA Associate Professor (Dipartimento di Scienze del Farmaco, Università degli Studi di Pavia)
14:25 - 14:40	O8 (online): "Coordination, structure, thermodynamic stability and biological activity of a MUC7 peptide fragment and its peptidomimetics upon Zn(II) and Cu(II) binding" Klaudia Anna Szarszon
14:40 - 14:55	O9: "Development of terphenyl-based Porous Organic Polymers for light-driven organic trasformations"



	Andrea Odoardo
14:55 - 15:10	O10: "Sustainable Production of Copper and Gallium Radioisotopes from ZnO Target via Medical Cyclotron" Giorgia Speltri
15:10 - 15:25	Break
15:25 - 15:50	KN4: "Master or PhD in chemistry: valorize the acquired know-how inside a complex industrial sector" Dr. Elia Gianotti PhD, ENDURA SPA, Technical Solutions Department
15:50 - 16:05	O11: "water motion and electricity: a triboelectric reality?" Nicola Verziaggi
16:05 - 16:20	O12: "Porphyrins for photoprinting of ceramic materials" Gioia Musiu
16:20 - 18:30	Poster Presentations (Poster list below)
17:30 - 18:30	Closing and farewell buffet in front of Poster Area (aula F4, Poster list below)

POSTER LIST (Chiostro Santa Maria delle Grazie)

P1	"Shedding light on metal-induced amide deprotonation in peptide binding of divalent metal ions" Silvia Leveraro
P2	"Unveiling the dualistic activity of cortisone derivatives: emerging antioxidant and antiinflammatory corticosteroids" Filippo Marchetti
P3	"SYNTHESIS AND BIOLOGICAL EVALUATION OF PROTEASOME MODULATORS" Silvia Ravagli
P4	"Untargeted metabolomic profiling of Alternaria species in response to biocontrol agents" Alessandra Squarzoni
P5	"Detailed characterization of bioactive compounds in medicinal plants by means of ultra-high performance liquid chromatography coupled to high-resolution mass spectrometry" Davide Barboni
P6	"DEVELOPMENT AND OPTIMIZATION OF ANALYTICAL PYROLYSIS FOR THE QUANTIFICATION OF PLASTIC RECYCLING FEEDSTOCK" Valerio Coni
P7	"Human skin volatilome: a pleiotropic tool to study inflammatory skin conditions" Riccardo di Stefano
P8	"RUST POWER: α -hematite electrodes for solar concentration photoelectrolysis" Anna Ianniello
P9	"From sunlight to chemicals: solar-powered CO ₂ reduction to C2 value-added products" Alberto Magliocco
P10	"Porphyrins for photoprinting of ceramic materials"



	Gioia Musiu
P11	"Development of terphenyl-based Porous Organic Polymers for light-driven organic transformations" Andrea Odoardo
P12	"Towards sustainable radiochemistry: Copper radioisotopes production from ZnO target and Gallium radioisotopes recovery from production waste" Giorgia Speltri
P13	"water motion and electricity: a triboelectric reality?" Nicola Verziaggi
P14	"FISH-BASED FUNCTIONAL FOOD ENRICHMENT BY FEED FORMULATION: A METABOLOMIC AND BIOACCESSIBILITY STUDY" Nada Baraldo
P15	"The revenge of leftovers: investigation of bioactive compounds and antioxidant potential in fruit waste" Chiara Finotello
P16	"Natural Photoprotection: Preliminary Study on the UV Filter Boosting Effect of a Vegetable Oil" Ilenia Gugel
P17	"Biocharacterisation and biosynthesis of terpenes and other secondary metabolites from microalgae" Alessia Liboni
P18	"Comparison of Iridium Sensitizers Employed in the Photoelectrochemical Generation of Added-Value Organics" Andrea Mantovani
P19	"Fine-Tuning NOP Signaling: Identification of a Biased Nociceptin Analog" Giulio Meneguzzo
P20	"PROTEIN-INORGANIC HYBRID SYSTEM FOR THE EFFICIENT HIS-TAGGED ENZYME AO:DCPIP OR IMMOBILIZATION" Domenico Meola
P21	"Synthesis of new hybrid molecules derived from gallic acid and the benzothiazole derivatives" Leonardo Montani
P22	"Free-catalyst synthesis of α -C-Glycosides analogues via Giese Reaction type Driven by Photoactivated Electron Donor– Acceptor Complexes" Francesco Riina
P23	"Green metrics evaluation of melittin purification using different solvents" Amirmohammad Faraji Shovey
P24	"New drug delivery strategies for mitigation of foreign body response in peripheral nerve implants" Michele Albicini

