



University of Pavia
PhD program in Chemical and Pharmaceutic Sciences, and Related Industrial Innovation

PhD days of presentation – cycles 38 and 39
September 16th, 17th, and 18th, 2025

Aula 1.1. Nuovo Polo Didattico Scienze Del Farmaco

September 16th

9.00-9.25	Fracchioni Giorgia	Naphthalene diimides as photosensitizers: alkylating agents for g-quadruplex structures
9.25-9.50	Ben Ammar Chaima	Recyclable organic redox flow batteries
9.50-10.15	Fontana Dario	Conducting polymers as anticorrosive polymers
10.15-10.40	Nicchio Luca	Arylazo Sulfones as Photoactivable Substrates for Metal- and Photocatalyst-Free Reactions
POSTER - COFFEE BREAK		
11.10-11.35	Frasnetti Elena	Predicting the biology of small molecules via an integrated structural and chemoinformatic approach
11.35-12.00	Ronco Pietro	Sustainable Drug and Organic Target Synthesis via Innovative Electrochemical and Flow Technologies
12.00-12.25	Tufano Eleonora	When chemistry mimics Nature: Nitrenes as tools for N-heterocycle synthesis
12.25-12.50	Magni Andrea	Studying and Targeting Networks in Chemical Biology with in silico Simulations
12.50-14.15	POSTER -- LUNCH	

14.15-14.40	Ianev Daiana	Design and characterization of innovative medical devices
14.40-15.05	Ghizzani Virginia	Development Of Validated Analytical Platforms To Be Used For Monoclonal Antibodies Quality Control
15.05-15.30	Marsani Simone	Design and development of glass vials siliconization to minimize the interaction with biotech- and nano-drug products
15.30-16.05	POSTER - COFFEE BREAK	
16.05-16.30	Zucca Gaia	Biocompatible hydrogels based on polysaccharides and derivatives as versatile platforms for local applications
16.30-16.55	Zupi Marco	Synthesis of cRGD-based derivatives for tumor site-specific drug delivery
<i>September 17th</i>		
9.00-9.25	Moretto Giulia	Biodiversity valorization: development of new active food ingredients
9.25-9.50	Tumminelli Elisabetta	Don't waste the waste: by-products from viticulture and local crops management as source of extracts and/or secondary metabolites with biological properties
9.50-10.15	Tareen Fahad Khan	Essential oil nanoemulsions and cyclodextrins-based products for dimethyl fumarate nasal delivery
10.15-10.45	POSTER - COFFEE BREAK	
10.45-11.10	Coccia Clarissa	Development of chiral metal halides for chiroptical applications
11.10-11.35	Betti Luca Angelo	Thermochemical Synthesis of Green Hydrogen

11.35-12.00	Bianchi Andrea	Processes for the recovery of materials from batteries with "green" chemistry hydro-metallurgical methods
12.00-12.25	Canini Mattia	Critical Elements for energetic transition: development of innovative materials for new generation Sodium Ion Battery
12.25-14.15	POSTER -- LUNCH	
14.15-14.40	Schiavi Serena	Biopolymer-assisted fabrication of plasmonic nanostructures for sensing and photonic applications
14.40-15.05	Ravalli Marco	Structural and computational studies on solid state electrolytes for rechargeable sodium-ion batteries
15.05-15.30	Ferretti Matteo	Development of innovative multi-analytical non-invasive strategies for sustainable investigations of inks, papers and their degradation processes in historical manuscripts

September 18th

Chimica Organica Aula CO5. Dipartimento di Chimica

9.30-9.45	Callegari Camilla	Sustainable applications of photocatalyzed processes mediated by carbon nitride materials
9.45-10.00	Grazioli Marta	Synthesis of herboxidiene derivatives as splicing modulators
10.00-10.15	Sciva Cristiano	Computational approaches for the design of new protein-protein interaction disruptors

Chimica Fisica e Chimica Generale Aula CG6. Dipartimento di Chimica

9.30-9.45	Dal Pan Giorgia	New quantitative methods to study the in vitro cytotoxicity of functional nanomaterials
9.45-10.00	Maranini Giulia	Stability, reactivity and functional properties of High Entropy Oxides
10.00-10.15	Urru Claudia	Synthesis and characterization of new nanoclay-based adsorbent systems
10.15-10.30	Di Benedetto Andrea	Synthesis of a Chiral Metal-Organic Framework Embedding Perovskite Nanocrystals for Enhanced Optoelectronic Properties

Scienze del Farmaco Aula 1.1. Nuovo Polo Didattico Scienze Del Farmaco

9.30-9.45	Birolini Francesca	From the earth to your skin: the agro-industry as a supplier of innovative ingredients for cosmetic products
9.45-10.00	Cerone Vitiana	Ecodesign and sustainability for the development of sunscreen products
10.00-10.15	Khalid Ayesha	Recognitive nanoparticle probes for MUC1 tumor-specific glycosylations
10.15-10.30	Salerno Sofia	Analytical and biophysical methods in drug discovery: matching high throughput screening with high content informations techniques
10.30-10.45	Tamburriello Martina	Medicated advanced dressing for preventing hypertrophic scar

PhD days of presentation – cycles 38 and 39 - ONLINE
September 22nd, 2025

Link zoom

<https://unipv-it.zoom.us/j/97199094560?pwd=v1PwCro7F2bv7ZbJZD93oa7M0x1Urk.1>

14.00-14.15 Sara Paraboschi

14.15-14.30 Denis Komarov Identification and characterization of functional disruptors of chaperones

14.30-14.45 Aurora Tini Comparative characterization of polyclonal antibodies for therapeutic use isolated from whole plasma and industrial waste intermediates from plasma fractionation

14.45-15.00 Arianna Bini Investigation of degradation products of phytocannabinoids and building of a mass spectral library to broaden the horizon of identifiable compounds in Cannabis preparations and users' biological samples

15.00-15.15 Giorgio Milli Identification of anti-infective agents thorough sustainable approaches

15.15-15.30 Letizia Canziani Theranostic radioisotopes production and their medical application

15.30-15.45 **Break**

15.45-16.10 Sara Stolfi Mechanistic Investigation of Green Catalysts for Sustainable Reactions via Operando X-ray Absorption Spectroscopy at Ambient Pressure

16.10-16.35 Riccardo Pallotta Impact of Thin Film Processing on the Crystallization of Hybrid Perovskites for Solar Cells

16.35-17.00 Rossi Rachele Lipid nanoparticles production and characterization for nucleic acid delivery

17.00-17.25 Pazzi Bianca Maria Development of a Sustainable Cosmetic