

Course for Ph.D. students

Seminar schedule Winter Sessions 2025

First Session: Friday 07/02/25 at 14:00

XL Cycle

Carretta Giulia

"Integration of ex vivo/in vivo imaging approaches focused on the investigation of the pharmacokinetics of inhaled drugs"

Checchini Ludovico

"Definition of a methodological approach for the evaluation of the mutagenic/carcinogenic potency of N-Nitrosamines: a combination of Pig-a Assay, Comet Assay and ecNGS"

Confalonieri Corrado

"The development of an evidence-based algorithm for targeted antibiotic therapy in Pneumonia affected patients"

Marengi Giulia

"Evaluation of Preclinical Models to Understand the Pharmacokinetics of Biologic Drugs"

Aimi Luca

"Asymmetric and Sustainable Synthesis of Multifunctional Heterocycles"

Spirelli Michela

"Targeted molecular tools for precision therapy and diagnosis"

Sarcone Lorenzo

"Anticancer therapy: synthesis of indirect modulators of MYC signaling pathway"

Croci Nicole

"LC-HRMS-based lipidomics to investigate tumor resistance: glycosphingolipids in non-small-cell lung cancer"

XXXIX Ciclo

Rocca Edoardo

"NAAA and MGL: two key enzymes in the endo- and para -cannabinoid system"

Second Session: Friday 14/02/25 at 9:00

XL Cycle

Bonitto Paola

“Design and validation of a stable isotope-based method for measuring reverse cholesterol transport in Vivo”

Bucella Arianna

“Characterization and Optimization of heparinoid-containing nanoparticles for the treatment of inflammatory lung diseases”

Climani Giulia

“Development of Pressurized Inhalation Products with Low Environmental Impact”

D'Angelo Jole Maria Lucia

“De novo L-cysteine biosynthesis in Pseudomonas aeruginosa: pathway assessment for novel antibiotic discovery”

Malagutti Francesca

“Dynamics of recruitment of macromolecular complexes active on the mycobacterial orisome: mechanistic details and target validation”

Montagna Sofia

“Isolation and characterization of exosome-like nanoparticles and their evaluation as agents/carriers in functional cosmetics”

Schianchi Chiara

“Innovative, unconventional formulations that we consider to be of enormous scientific interest in the inhalation drug delivery”

Squeri Aurora

“Development and characterization of powder for inhalation containing Peptides and Proteins”

Valenti Martina Eleonora

“Development of Novel Broad-Spectrum Antivirals Targeting Human and Viral Helicases”

XXXIX Cycle

Scarano Antonio

“Active-site cysteine residues in metabolic enzymes as targets for covalent anti-cancer drugs”

Tamburini Maddalena

“Innovative artificial insemination formulations for more sustainable pig production”

Third Session: Friday 27/02/25 at 9:00

XXXIX Cycle

Chiara Maria Linda

"Intestinal organoids: characterization of an in vitro human model of intestinal inflammation"

Dalla Lana Sofia

"TUDCA-modified liposomes for glibenclamide ocular delivery"

Davolio Ilaria

"Formulation and delivery strategies for ophthalmic administration of statin"

Mandrioli Diletta

"Development of innovative inhalation powders for the treatment of chronic cough"

Mattina Beatrice

"Inhibition of PCSK9 as a novel strategy to counteract the neurodegeneration"

Patterlini Virginia

"In vitro, ex vivo and in vivo advanced characterization of inhaled product pharmacokinetics focused on PK/PD correlations - new approaches for innovative precision treatments"

Rubini Daniele

"Development of new broad-spectrum antiviral agents targeting host proteins for a rapid response to future epidemics"

Fourth Session: Friday 28/02/25 at 9:00

XXXVIII Cycle

Caraua Georgeta

"Nasal dry powders as antiviral treatment in the upper airways: characterization and deposition studies using in vitro nasal models"

De Angelis Davide

"Additive manufacturing of API formulations tailoring oral administration for Preclinical Research purposes"

Germani Saveria

"Development of Nanobody-based inhalation powders for therapeutic immune response in the lungs"

Spagnoli Marco

"Title to be defined"

Ugolotti Martina

"Lipid metabolism as pharmacological target in neurodegenerative disorders: in vitro and in vivo studies"

Yamujijje Clementine

"Harnessing plant secondary metabolites for antimicrobial activity and suppression of pro-inflammatory cytokines in HaCaT cells as a breakthrough in natural skin remedies"

all seminars will be held in classroom C, Pharmacy Building.