Course for Ph.D. students
Seminar schedule Winter Sessions 2026

First Session: Wednesday 11/02/2026, 14:00-16:00

Al Dugom Ibrahim, XLI cycle
Supervisor Prof. Marco Pieroni
"Design and synthesis antitubercular agents to tackle antimicrobial resistance"

Elisa Berselli, XLI cycle
Supervisor Prof. Biagi Marco
"Identification of natural products as gene expression modulators: toward a new paradigm to contrast antimicrobial resistance"

Savian Chiara, XLI cycle
Supervisor Prof.ssa Lucia Battistini
"Synthesis and development of aminoproline-(Amp-)cyclopeptide binders and their conjugates targeting αvβ3, αvβ6, and αvβ8 integrins for therapeutic and diagnostic applications"

Aimi Luca, XL cycle
Supervisor Prof.ssa Franca Zanardi
"Asymmetric and Sustainable Synthesis of Multifunctional Heterocycles"

Bonicco Paola, XL cycle
Supervisor Prof.ssa Ilaria Zanotti
"Design and validation of a stable isotope-based method for measuring reverse cholesterol transport in vivo"

Bucella Arianna, XL cycle
Supervisor Prof.ssa Annalisa Bianchera
"Characterization and optimization of heparinoid-containing nanoparticles for the treatment of inflammatory lung dieseases"

Montagna Sofia, XL cycle, PhD founded by Davines s.p.a
Supervisor Prof. Gabriele Costanrino
Co-supervisor
"Isolation and characterization of exosome-like nanoparticles and their evaluation as agents/carriers in functional cosmetics"

Davolio Ilaria, XXXIX cycle
Supervisor Prof.ssa Silvia Pescina
"Formulation and delivery strategies for ophthalmic administration of statins"

Second Session: Thursday 12/02/2026, 14:00-16:00

Lippo Simone, XLI cycle, PhD founded by Chiesi Farmaceutici S.p.A
Supervisor Prof. Alessandro Bartolomucci
Co-supervisor Silvia Cantoni
"Targeting the complement receptor system to treat respiratory diseases"

Parmigiani Andrea, XLI cycle, PhD founded by Fondazione Cariparma
Supervisor Prof.ssa Cristina Padula
"BUCCAL: Buccal Ulcer Care through Controlled and Advanced Local formulations"

Climani Giulia, XL cycle, PhD co-founded PNRR and RxPack s.r.l
Supervisor Prof.ssa Francesca Buttini
Co-supervisor Alberto Colombo, RxPack S.r.l
"Development of Pressurized Inhalation Products with low Enviromental Impact"

Spirelli Michela, XL cycle
Supervisor Prof. Andrea Sartori
"Targeted molecular tools for precision therapy and diagnosis"

D'Angelo Jole Maria Lucia, XL cycle
Supervisor Prof.ssa Barbara Campanini
"De novo L-cysteine biosynthesis in Pseudomonas aeruginosa: pathway assessment for novel antibiotic discovery"

Valenti Martina Eleonora, XL cycle, PhD founded by PNRR and Virostatics S.r.l.
Supervisor Prof. Marco Radi
Co-supervisor Dr. Franco Lori
"Development of Novel Host Targeting Broad-Spectrum Antivirals"

Malagutti Francesca, XL cycle
Supervisor Prof.ssa Giannamaria Annunziato
"Peptide and Small-Molecule Approaches to Bacterial Target Modulation"

Scarano Antonio, XXXIX cycle
Supervisor Prof. Stefano Bruno
"Active-site cysteine residues in metabolic enzymes as targets for covalent anti-cancer drugs"

Third Session: Wednesday 18/02/2026, 14:00-16:00

Benoldi Lara, XLI cycle
Supervisor Prof. Stefano Bruno
Co-supervisor Benedetta Riccardi
"*Pharmacokinetic Evaluation of Biologic Drugs: Development of Bioanalytical Methods, Preclinical ADME Applications, and Human Dose Prediction through PBPK Modeling*"

Giorgia Cavatorta, XLI cycle, PhD founded by Chiesi Farmaceutici s.p.a
Supervisor Prof.ssa Annalisa Bianchera
Co-supervisor Benedetta Riccardi
"Advanced In Vitro Models for Predicting Pharmacokinetic Properties of Drugs"

Carretta Giulia, XL cycle, PhD founded by Chiesi Farmaceutici s.p.a
Supervisor Prof. Fabio Sonvico
Co-supervisor Alessandro Fioni
"*Integration of ex vivo/in vivo imaging approaches focused on the investigation of the pharmacokinetics of inhaled drugs*"

Checchini Ludovico, XL cycle, PhD founded by ERBC
Supervisor Prof.ssa Simona Bertoni
Co-supervisor
"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, XL cycle, PhD founded by Azienda Sanitaria
Supervisor Prof.ssa Elisabetta Barocelli
Co-supervisor Prof.ssa Giuliana Lo Cascio
"*The development of an evidence-based algorithm for targeted antibiotic therapy of patients affected by Pneumonia*"

Marenghi Giulia, XL cycle, PhD founded by Chiesi Farmaceutici s.p.a
Supervisor Prof. Fabio Sonvico
Co-supervisor Alessandro Fioni
"Evaluation of Preclinical Models to Understand the Pharmacokinetics of Biologic Drugs"

Patterlini Virginia, XXXIX cycle, PhD co-founded by PNRR and Chiesi Farmaceutici s.p.a
Supervisor Prof. Fabio Sonvico
Co-supervisor Alessandro Fioni
"In vitro, ex vivo and in vivo advanced characterization of inhaled product pharmacokinetics focused on PK/PD correlations"

Lippolis Sara, XXXIX cycle, PhD co-founded by PNRR and Dompè
Supervisor Prof.ssa Alessandra Rossi
Co-supervisor Maria Concetta Dragani
"Development and Characterization of drug delivery systems for site-specific and multi-kinetic release of one or more drugs in combination for oral administration"

Forth Session: Thursday 19/02/2026, 14:00-16:00

Sala Stefano, XLI cycle
Supervisor prof. Massimiliano Tognolini
"*Bile acid derivatives as modulators of the Eph/Ephrin system in glioblastoma: functional characterization and impact on cell stemness*"

Poli Clizia, XLI cycle
Supervisor Prof. Alessio Lodola
"Big Data Analysis and Simulations for Drug Design and Discovery"

Sarcone Lorenzo, XL cycle
Supervisor prof. Marco Mor
"Anticancer therapy: synthesis of indirect modulators of MYC signaling pathway"

Schianchi Chiara, XL cycle, PhD founded by Dipartimento di Eccellenza
Supervisor Prof.ssa Francesca Buttini
"Innovative, Unconventional Formulations that we consider to be Enormous Scientific Interest in the Inhalation Drug Delivery"

Croci Nicole, XL cycle
Supervisor Prof.ssa Silvia Rivara
"Investigation of glycosphingolipids' role in tumor resistance through UPLC-HRMS analysis"

Squeri Aurora, XL cycle, PhD co-founded by PNRR and Chiesi Farmaceutici s.p.a
Supervisor Prof.ssa Francesca Buttini
Co-supervisor Francesco Martinelli
"Development and Characterization of Inhalable Powder Formulations for Biological Drugs with Permeation Enhancers"

Karnchanapandh Kun, XL cycle
Supervisor Prof. Alessio Lodola
"High-performance computing and data analysis in drug design and discovery"

Rocca Edoardo, XXXIX cycle
Supervisor Prof. Marco Mor
"Selenium-based MGL inhibitors: project update"

All the sessions will be held in AULA G, Plesso di Farmacia.