



UNIVERSITÀ DI PARMA
Ph.D. Course in Drug Sciences

PhD Seminars - Winter Session 2024

Day 1 – Feb 21, 2024; 9:00-12:00; Aula C, Plesso di Farmacia

| | PhD Student | Cycle | Supervisor |
|-------------|---|--------------|-------------------|
| 9:00-9:30 | PhD student Alessandro Zaccarelli | 37 | Elviri |
| Title | <i>Analytical integrated methods to explore biological effects of plant extracts on colorectal adenocarcinoma cells</i> | | |
| 9:30-10:00 | PhD student Alfonso Zappia | 37 | Tognolini |
| Title | <i>Unveiling Potential? Targeting Eph-Ephrin in Glioblastoma Stem Cells with Novel PPI- Inhibitors</i> | | |
| 10:00-10:30 | PhD student Clementine Yamukujije | 38 | Costantino |
| Title | <i>Search for plant derived secondary metabolites and synthesis of natural products mimics against inflammatory diseases through NLRP3/Caspase1/IL1B signaling pathway.</i> | | |
| 10:30-11:00 | PhD student Francesca Romana Ferrari | 38 | Tognolini |
| Title | <i>Could the pro-oncogenic role of EphA2 Ser-897 be affected by Eph-ephrin antagonists?</i> | | |
| 11:00-11:30 | PhD student Martina Ugolotti | 38 | Zimetti |
| Title | <i>Lipid metabolism as pharmacological target in neurodegenerative disorders: in vitro and in vivo studies</i> | | |
| 11:30-12:00 | PhD student Maria Linda Chiara | 39 | Bertoni |
| Title | <i>Development and characterization of an in vitro human model of intestinal inflammation</i> | | |



PhD Seminars - Winter Session 2024

Day 2 – Feb 23, 2024; 9:00-12:00; Aula C, Plesso di Farmacia

| | PhD Student | Cycle | Supervisor |
|-------------|--|--------------|-------------------|
| 9:00-9:30 | PhD student Gianluca Bazzoli | 37 | Bettini |
| Title | <i>New inhalation drug delivery systems for the treatment of pulmonary fibrosis</i> | | |
| 9:30-10:00 | PhD student Roberta Giaccari | 37 | Bruno |
| Title | <i>Biosynthesis of nutraceutical fatty acids from an Antarctic diatom</i> | | |
| 10:00-10:30 | PhD student Ilaria De Nardis | 38 | Bruno |
| Title | <i>Biophysical and biochemical characterization of proteins of pharmaceutical interest</i> | | |
| 10:30-11:00 | PhD student Saveria Germani | 38 | Bettini |
| Title | <i>Development of nanobodies-based inhalation powders for therapeutic immune response in the lungs</i> | | |
| 11:00-11:30 | PhD student Antonio Scarano | 39 | Bruno |
| Title | <i>Targetting catalytic cysteines of metabolic enzymes for anti-cancer activity</i> | | |
| 11:30-12:00 | PhD student Beatrice Mattina | 39 | Zanotti |
| Title | <i>Inhibition of PCSK9 as a novel strategy to counteract the neurodegeneration</i> | | |



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PhD Seminars - Winter Session 2024

Day 3 – Feb 26, 2024; 9:00-11:00 Aula C, Plesso Farmacia

| | PhD Student | Cycle | Supervisor |
|-------------|---|--------------|-------------------|
| 9:00-9:30 | PhD student Stefania Bova | 37 | Ronda |
| Title | <i>PROTEIN SITE-SELECTIVE LABELING DRIVEN BY LINCHPIN-DIRECTED MODIFICATION</i> ® | | |
| 9:30-10:00 | PhD student Francesco Castagnini | 38 | Mor |
| Title | <i>Chromatographic physico-chemical evaluation in early drug discovery</i> | | |
| 10:00-10:30 | PhD student Marco Spagnoli | 38 | Vacondio |
| Title | <i>Development of a multi-residue analytical method for monitoring psychotropic drugs in human plasma</i> | | |
| 10:30-11:00 | PhD Valeria Buoli Comali | 38 | Faggiano |
| Title | <i>The interaction between the S. aureus hemophore IsdH and hemoglobin as a potential antibiotic target</i> | | |



PhD Seminars - Winter Session 2024

Day 4 – Feb 27, 2024; 9:00-13:00; Aula C, Plesso Farmacia

| | PhD Student | Cycle | Supervisor |
|-------------|--|--------------|-------------------|
| 9:00-9:30 | PhD student Francesca Barbieri | 37 | Radi |
| | Title <i>Design and synthesis of new compounds for cystic fibrosis and related diseases</i> | | |
| 9:30-10:00 | PhD student Lisa Giannessi | 37 | Radi |
| | Title <i>The 12 principles of green chemistry applied to the development of innovative lipid lowering drugs targeting PCSK9</i> | | |
| 10:00-10:30 | PhD student Debora Guazzetti | 38 | Curti |
| | Title <i>Innovative, asymmetric syntheses towards bioactive, chiral heterocyclic compounds</i> | | |
| 10:30-11:00 | PhD student Sara Signorini | 38 | Nicoli |
| | Title <i>Innovative strategies for the delivery of neuroprotective compounds to the posterior segment of the eye</i> | | |
| 11:00-11:30 | PhD student Daniele Rubini | 39 | Radi |
| | Title <i>Development of new broad-spectrum antiviral agents targeting host proteins for a rapid response to future epidemics</i> | | |
| 12:00-12:30 | PhD student Ilaria Davolio | 39 | Pescina |
| | Title <i>Formulation and delivery strategies for ophthalmic administration of statins</i> | | |
| 12:30-13:00 | PhD student Sofia Dalla Lana | 39 | Nicoli |
| | Title <i>Vesicles investigation through advanced spectroscopic and microscopic techniques for ocular drug delivery</i> | | |



PhD Seminars - Winter Session 2024

Day 5 – Feb 28, 2024; 9:30-12:30; Aula C, Plesso Farmacia

| | PhD Student | Cycle | Supervisor |
|-------------|--|--------------|-------------------|
| 9:30-10:00 | PhD student Luigi Maglie | 37 | Bettini |
| Title | <i>New formulation approaches for reducing the environmental impact of artificial insemination in pig farming</i> | | |
| 10:00-10:30 | PhD student Stefania Glieca | 38 | Buttini |
| Title | <i>Formulation of inhalation powders containing lactic acid bacteria for the containment of P. aeruginosa infection</i> | | |
| 10:30-11:00 | PhD student Diletta Mandrioli | 39 | Buttini |
| Title | <i>Development of inhalation powders for the treatment of chronic cough and their use in an animal model</i> | | |
| 11:00-11:30 | PhD student Maddalena Tamburini | 39 | Bettini |
| Title | <i>Innovative artificial insemination formulations for more sustainable pig production</i> | | |
| 11:30-12:00 | PhD student Miriam Polichetti | 39 | Bettini |
| Title | <i>A rational approach to protein-containing dry powders for inhalation</i> | | |
| 12:00-12:30 | PhD student Virginia Patterlini | 39 | Sonvico |
| Title | <i>In vitro, ex vivo and in vivo advanced characterization of inhaled product pharmacokinetics focused on PK/PD correlations - new approaches for innovative precision treatments.</i> | | |



PhD Seminars - Winter Session 2024

Day 6 – Feb 29, 2024; 9:30-12:30; Aula C, Plesso Farmacia

| PhD Student | Cycle | Supervisor |
|--|--------------|-------------------|
| 9:30-10:00 PhD student Francesca Galvani | 37 | Lodola |
| Title <i>Multivariate analysis of lipidomic data</i> | | |
| 10:00-10:30 PhD student Edoardo Rocca | 39 | Mor |
| Title <i>Synthesis of innovative modulators of the endo/para cannabinoid system</i> | | |
| 10:30-11:00 PhD student Martina Viglioli | 38 | Rivara |
| Title <i>Interactions between drugs and gut microbiota: corticosteroids and FAAH inhibition</i> | | |
| 11:00-11:30 PhD student Davide De Angelis | 38 | Rossi |
| Title <i>Additive manufacturing of API formulations tailoring oral administration for Preclinical Research purposes</i> | | |
| 11:30-12:00 PhD student Marianna Boraschi | 38 | Rossi |
| Title <i>Novel antibiotic-based dry powder systems targeting pulmonary infections in Non-cystic fibrosis bronchiectasis</i> | | |
| 12:00-12:30 PhD student Sara Lippolis | 39 | Rossi |
| Title <i>Development and characterization of drug delivery systems for site-specific and multi-kinetic release of one or more drugs in combination for oral administration</i> | | |