

5th B2F2 Retreat

25th July 2025 11.00 – 17.30

Aula 1, Scienze farmaceutiche, via Belmeloro 6

The PhD students of the XXXIX cycle of the B2F2 PhD school will discuss their results with 10 minutes presentations, followed by a series of questions by an external commission, for a maximum of 15 minutes each.

PROGRAM SCHEDULE

11.00 Introduction

11.15 “Development and Multiscale Evaluation of Functional Hydrogels for Neutron-Based Radiotherapy” **Sara Calistri** (remote)

11.30 “Characterization of salivary glands virome in Sjogren’s Syndrome patients through the use of spatial transcriptomics” **Federica Bichicchi** (remote)

11.45 “Development of 3D bioprinted models of sarcoma to identify novel pharmaceutical compounds” **Benuzzi Eva**

12.00 “Characterization of integrated mechanisms contributing to neuroinflammation-related central dysfunctions for the development of innovative RNA-based drugs” **Cimetti Chiara**

12.15 “Circadian Polypharmacology: Development of Multi-Target-Directed Ligands” **Kampasis Dyonisis**

12.30 “Green synthesis of multifunctional nanoparticles for theranostics” **Galassi Lucrezia**

12.45 “Design of multi-functionalized nanoparticles for Alzheimer's disease” **Le Meur Marion**

13.00 Light lunch

14.15 “Development of lipid-based nanocarriers for the treatment of vaginal infections” **Lugli Sara**

14.30 “Development of analytical platforms based on immobilized enzymes and proteins to improve automation and cost-effectiveness” **Mensah Wendy**

14.45 “Characterization and inhibition of DNA polymerase eta to treat cancer” **Pellegrino Francesca**

15.00 “Rhodiola rosea L. extract: A promising approach for metabolic syndrome through mitochondrial respiratory activity modulation and enhanced glucose uptake”

Pincigher Luca

15.15 “In search of small molecules targeting RAD52 for Synthetic Lethality”

Quatraccioni Martina

15.30 “Different strategies to target GSK3 β and FYN to investigate neuroinflammation”

Roggiolani Elena

15.45 Coffee break

16.00 “Development of analytical methods to investigate the activity and interaction mode of compounds of pharmaceutical interest” **Spagnuolo Rosaria**

16.15 “An optimized fabrication of paper-based microfluidic device for iron speciation; application on pharmaceutical samples” **Waqar Muhammad**

16.30 “Incorporating Drug Delivery System into the Economic Evaluation for a hypothetical AD Treatment: An exemplar cost-effectiveness analysis in Italy” **Wu Xue**

16.45 “Management and valorization of vegetable food waste in schools” **Zalambani Chiara**

17.00 “Proteolysis Targeting Chimeras for Targeted Degradation of Protein Kinases Regulating Circadian Rhythm in Alzheimer’s Disease” **Radosevic Ela** (remote)

17.15 Closing remarks

We thank the external commission board for the participation:

Prof Diego Muñoz-Torrero (University di Barcelona)

Prof Jason Thomas Duskey (University of Modena)

Prof Jeanette Anne Marie Maier (University of Milano)

Tutors, PhD students and Professors are cordially invited