

# Course for Ph.D. students

## 38<sup>th</sup> cycle (Nov 2022 – Oct 2025)

### PIVOTAL ROLE OF IMAGING TECHNOLOGIES IN DRUG DISCOVERY AND DEVELOPMENT (1 ECTS)

**Dr. Franco Fabio Stellari**  
*Chiesi Farmaceutici SpA*

*Course language: English*

**March 24, 2023, 10-17**  
**Room G, Pharmacy Building**

*To attend the course please contact:*

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#### **Course description**

The aim of this PhD course is to provide the bases to accelerate the translation of basic and applied research discoveries as close as possible to the clinical settings. The course will mainly focus on three imaging technology and their application in drug discovery.

The fundamentals of Bioluminescence (BLI), Fluorescence Molecular Tomography (FMT) and Micro Computer Tomography (Micro CT) will be addressed.

During the sessions, selected case studies derived from drug discovery experiments will be deeply discussed.

The possibility to use simultaneously the three imaging technologies for better elucidating cellular and molecular mechanisms in a living subject and the possible clinical application will represent the central point of the course.