

Course for Ph.D. students

38th cycle (Nov 2022 – Oct 2025)

Pharmacokinetic optimization in drug research: physico-chemical properties and in vitro ADME.

(1 ECTS)

Prof. Federica Vacondio

University of Parma

Course language: English.

Scheduling:

Friday, 17 February 2023 (14:30-17:30)

Friday, 24 February 2023 (14:30-17:30)

*To attend the course please contact **Federica Vacondio** federica.vacondio@unipr.it sending an e-mail from 15/1/2023 to 30/1/2023.*

Course description

The course will be focused on the experimental approaches and related analytical techniques to the determination of physico-chemical (pKa, lipophilicity, solubility, hydrogen-bonding) and in vitro ADME (metabolic stability, carrier transport) properties which could impact on the in vivo behavior of new chemical entities. Case studies will be presented showing how knowledge taken from structure-property relationships could help to unveil hidden pharmacokinetic defects and to select the most promising candidates to development.