

Course for Ph.D. students 36th cycle (Nov 2020 – Oct 2023)

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

(1 ECTS)

Prof. Federica Vacondio

University of Parma

Course language: English.

Scheduling:

Friday, 19 February 2021 (14:30-17:30)

Friday, 26 February 2021 (14:30-17:30)

*To attend the course please contact **Federica Vacondio** federica.vacondio@unipr.it sending an e-mail from 1/1/2021 to 15/1/2021.*

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.