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.

Approximative scheduling: January-February
The exact date and time will be announced by e-mail and on the website in the page “Active courses” for each session.

To attend the course please contact:
Prof. Federica Vacondio (federica.vacondio@unipr.it)

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 behaviour 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.