

Course for Ph.D. students

39th cycle (Nov 2023 – Oct 2026)

**Microbiome research and drug-microbiota interactions
(1 ECTS)**

Prof. Leonardo Mancabelli
University of Parma

Course language: Italian

The lesson will be given in room F in the following dates:

04/03/2024 (9.30-12.30)

06/03/2024 (9.30-12.30)

To attend the course please contact:

Prof. Leonardo Mancabelli (leonardo.mancabelli@unipr.it)

Course description

The course will focus on the microbiome research applied to humans, with particular emphasis on the correlations between the human microbiota composition in the various body's districts and diseases/disorders, as well as the possible interactions between drugs and microbiota. It will be provided a detailed overview of the main metagenomics approaches used to elucidate the microbiota composition and the evaluation of the mechanistic roles exploited by microorganisms in the interaction with the human host. In addition, the course will give examples about the *in silico* analyses used to dissect the microbiota and microbiome functionality.