

Educational Schedule

PhD in Immunology, Molecular Medicine and Applied Biotechnology

The educational schedule is the same for all PhD students.

The learning objectives are:

1. Acquisition of scientific leadership skills to complete a personal research project.
2. Acquisition of methodological expertise on research basic techniques, through theoretical and practical classes held by professors or by scientific organizations.
3. Acquisition of theoretical knowledge on the main advances in biomolecular and biomedical research, attending academic scientific meetings at the Department of Medicine and Surgery and the Department of Mathematical, Physical and Natural Sciences.

The educational program aims at a PhD profile, whose skills allow to translate core competencies into potential diagnostic and therapeutic applications. For this purpose, the program also includes gaining insights on hematological and immunological diseases, from bed to bench side. This may take place through stages performed at affiliated Universities or at highly qualified National or International Centers.

For three years, the students will perform e-learning lessons on a given academic platform, webinar with professional specialists, training, seminars and workshops with expert speakers.

Occupational and professional opportunities:

1. Preclinical/basic research, aiming at a position as researcher in academic/research institutions or biotech/pharmaceutical companies.
2. Clinical research, aiming at a position of clinical researcher in academic/research institutions or biotech/pharmaceutical companies, and CRO.
3. Translational research, aiming at a position of physician scientist or equivalent, in academic/research institutions or biotech/pharmaceutical companies.

In all cases, opportunities to continue with an Italian or foreign post-doctoral fellowship will be fostered, with special focus on the acquisition of skills to autonomously acquire research funds and to design and conduct research projects.