
PhD in Translational Medicine

Overview

The PhD in Translational Medicine is a three-year Programme. The Mission of Programme is to educate and train post-graduate students with different academic backgrounds and highly motivated to pursue a career in experimental biomedicine and/or clinical research. The students are trained in a stimulating, interdisciplinary environment. Particular emphasis is placed on the multidisciplinary approach, with the ultimate aim of translating the results of laboratory, experimental and clinical research into novel and more effective diagnostic procedures and therapeutic strategies, with a particular focus on cardiovascular diseases. A qualifying part of the curriculum is centered on basic and applied research towards development and validation of new drugs, nutraceuticals, therapeutic nanovectors and biomedical devices and on innovation in healthcare management.

Areas of study and research facilities

PhD students start working at their research project from the first year of the Programme. They are also expected to attend mandatory Courses in scientific communication, scientific English, biostatistics and clinical statistics, research and lab methodology, as well as workshops and journal clubs, equivalent to a total of at least 150 hours over the 3 years. Moreover, PhD students are encouraged to attend a wide variety of elective classes, choosing them on the basis of their specific interests. A research period of in a



laboratory abroad is part of the training programme.

For the accomplishment of their research projects, PhD students rely on a very qualified and fertile scientific environment. In fact, they can choose among several laboratories and academic clinical units available in Pisa. Some of these are part of the research facilities of the Scuola including the MedLab and the Management and Health Lab, others belong to Institutions formally involved in the Programme, namely the National Council for Research, the Fondazione Gabriele Monasterio, the Fondazione Pisana per la Scienza and the Italian Institute of Technology in Genoa.

Job Opportunities

On completion of the Programme, the PhD students are expected to have acquired a high level of training in experimental and/or clinical research methodologies, plus excellent skills in written and oral scientific communication. These achievements, besides the academic career, open the possibility to be part of a team of scientists in the area of biomedicine and health sciences, to apply for post-doc positions in highly qualified biomedical research centers, to collaborate with policy makers about scientific matters that impact health management, to transla-

te discoveries and inventions from the most fundamental level to every day clinical usage.

Highlights

PhD students will carry their research project in a multidisciplinary environment, having the possibility to share their ideas with people with very different, but often complementary, scientific background. Direct access to high-quality research facilities is guaranteed by several ongoing agreements with top research institutes in Italy and Europe.

Besides the standard PhD programme, the Fondazione Gabriele Monasterio, in collaboration with the Institute of Life Sciences of the Scuola, offers a scientific-clinical track as part of the PhD Programme. Medical Doctors, holding a specialty degree in one of the FTGM clinical areas, may also apply for this integrated programme.

Info and contacts

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Scan the QR code:
more detailed information
on the Programme and the
call for admission