



Strasbourg University MD-PhD Program



© Inserm/Patrice Latron — II

CONTACT

Coordinator

Valérie LAMOUR, MCU-PH
vlamour@unistra.fr

WHY A DOUBLE DEGREE?

The MD-PhD program is dedicated to the scientific training of future physicians who wish to be involved in biomedical research by providing a dual medical (MD) and scientific degree (PhD). The Master and PhD degrees provide a better understanding and preparation for scientific inquiry that would benefit the emergence and development of translational research across the medical and scientific fields.

The MD-PhD program is designed for students who want to be confronted to biomedical research and strengthen their scientific knowledge. It does not replace other research programs available to physicians but offers an alternative for those who wish to be trained earlier in a scientific approach, without determining their future specialty.

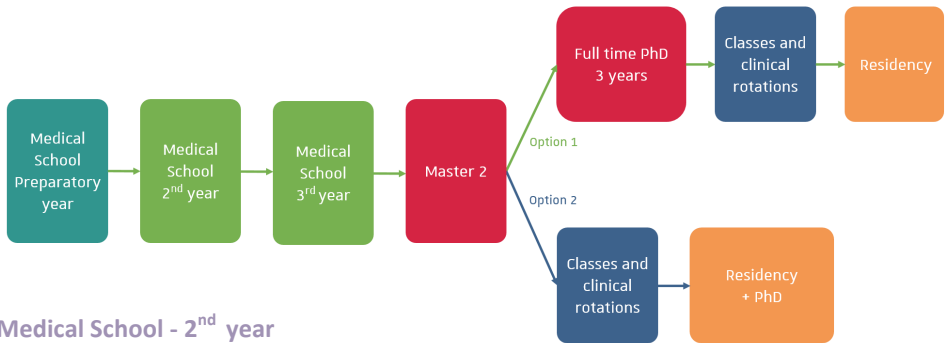
PUBLIC

- Students admitted in the 2nd year of Medical School
- Students with strong motivation and affinity for medical biological research

Admission based on

- Academic reward
- Interview

Application in July/August



Medical School - 2nd year

Integrated scientific classes and laboratory practicals

- Overall scientific background strengthening and initiation to new technologies (90hrs)

- *experimental methods in biological research
- *Chemical biology
- *Initiation to structural biology and bioinformatics
- *Structural basis of living organisms
- *New technologies for Predictive, Preventive and Personalized Medicine
- *Biostatistics

- Laboratory practicals (2 weeks)
- Participation to national and european MD-PhD meetings, scientific conferences,...
- 6 to 8 weeks of summer lab training

Medical School - 3rd year

Validation of Master 1 classes

- Master 1 classes validation
- Participation to national and european MD-PhD meetings, scientific conferences,...
- 6 to 8 weeks of summer lab training

Master 2 degree: A year dedicated to research, between the 3rd and the 4th year of Medical school

- 1st semester: scientific courses
- 2nd Semester: internship in a research laboratory (4-5 months)

Further Education

- Option 1: pursuing directly a PhD degree after the Master 2
or
- Option 2: back to the 4th year of Medical School

MD-PhD courses

The instruction, in small group, is provided by teachers and researchers of Science and Medical Schools. The focus is on strengthening the molecular basis and on initiating new technologies applied to medicine.

The purpose of the courses and practicals is to prepare students to internships in research laboratories.

Student evaluation

It may include different evaluations such as :

- Semestrial exams
- Homework
- Internship reports
- Oral presentations or posters during scientific conference