



Presentation of the Master's Degree programme in **BIOCHEMISTRY**



SAPIENZA
UNIVERSITÀ DI ROMA

Tuesday 11th July 2023 from 3:00 PM to 4:00 PM CEST

We will introduce the **Master's Degree programme in BIOCHEMISTRY in English** (Degree class LM-9), managed by the Faculty of Pharmacy and Medicine and the Faculty of Mathematical, Physical and Natural Sciences of Sapienza.

We will illustrate the educational path of the Master's Degree, the enrolment procedures, and the career opportunities of future graduates.

The meeting will be held online at the following **Zoom link**:
<https://uniroma1.zoom.us/j/3124659240?pwd=Z1FaMWZQZmZxVzgz0bThPZFl1d0tOUT>

ID riunione: 312 465 9240 | Passcode: 070590

Info: LMBiochemistry.dsb@uniroma1.it



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The **Master's Degree Course in Biochemistry**, entirely taught in English, aims to create a new educational profile in the panorama of the Italian university. Graduates in Biochemistry will be able to tackle a wide range of scientific and experimental problems, in fields ranging from biology, to molecular medicine, to biotechnology, through a rigorous scientific approach characteristic of the biochemical training.

In addition to a solid theoretical knowledge, an extensive practical preparation will be provided in the training course thanks to the presence of dedicated laboratory classes and short research experiences within different scientific laboratories for orienting the students to the choice of their thesis (**laboratory rotation**). The teaching activities involve the use of methodologies that place students, with an active role, at the centre of the learning process.

The **educational path** of the Master's Degree Course in Biochemistry is divided into lectures, laboratory activities, individual and group experiences, aimed at acquiring in-depth knowledge of:

- Bioorganic chemistry, metabolic biochemistry, enzymology;
- Structure and function of macromolecules;
- Cellular biochemistry, molecular bases of physiopathological processes, pharmacology;
- Microorganism and plant biochemistry;
- Biophysical, biochemical, and molecular biology methodologies;
- Statistical methods and bioinformatics;
- Microbial, industrial, pharmaceutical, medical biotechnologies;
- Bioethics and regulation.

The choice of optional exams guarantees the acquisition of a specialization in the various fields of biotechnological applications. The training course is also integrated with seminars by specialists from research bodies, and public and private institutions.

The professional profile of the **Biochemist** is versatile, with a solid scientific background and a strong international appeal, and allows the graduate to be employed in various fields, both in basic research (academic career, doctorate in biochemical related fields) and applied research (especially in the industry where flexibility and **problem solving** skills are particularly required as a working approach).

You can find all information about the Biochemistry Course at:

<https://corsidilaurea.uniroma1.it/en/corso/2023/31179/home>