



UNIVERSITÀ
DEGLI STUDI
DI MILANO

LA STATALE



Studying in Milan, Italian capital of innovation

MOLECULAR BIOLOGY OF THE CELL

COURSE DURATION: 2 years

CREDITS: 120 ECTS

The Master's degree in Molecular Biology of the Cell (MBC) trains biologists in the field of advanced bio-molecular research and enables them to face the present and future challenges in this field.

Graduate students will be able to apply novel and emerging research technologies/approaches, cutting-edge data acquisition systems and analysis by conducting research on a real-world problem in the laboratories of the Department of Biosciences.

Career prospects

The program has been specifically designed for students who are interested in:

- basic and applied research at the University and/or in other public or private research centers
- self-directed or independent work in biomedical, pharmaceutical and biotechnology industry, spin-off and startup companies
- promotion and development of scientific and technological innovation
- planning and management of industrial technologies
- holding high-level of responsibility in industrial, environmental, health care, and public service sectors
- teaching biology at all levels.

Admission criteria

Candidates must have a Bachelor's degree in Biological Sciences or closely related subjects. Foreign or Italian graduates from universities that do not follow the rules of CBUI (Collegio Biologi Università Italiane) will be requested to have earned at least 90 ECTS in relevant subjects.

The minimum knowledge requirement for the English language is, for all students, the B1 level ('lower intermediate') of the Common European Framework or equivalent certification.

Subjects and Methodology

The specific goal of MBC is to provide a deep and up-to-date knowledge in:

- molecular genome analysis
- regulation of gene expression
- structure and function of biological macromolecules and their interaction in supramolecular complexes
- cellular communication
- signal perception and transduction
- metabolic regulation
- bio-molecular engineering and computing.

The focus will be on theoretical as well as on practical aspects of bio-molecular research.

Why the University of Milan, Italy

By studying at the University of Milan you will:

- join in the only Italian institution of the League of European Research Universities (LERU)
- live in Milan, the exciting city of finance, fashion, design and art
- experience the thrill of a unique insightfulness for innovation.

Incentive grants and Italian language classes

Being an international student you can apply for special incentive grant programmes - *Exploit your Talent and Excellence Scholarships* - and learn the Italian language while studying, through our beginners and intermediate intensive courses.

Contact details

For any further information, please contact us at bmc@unimi.it