



UNIMORE

UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

POST-GRADUATE 2° LEVEL MASTER PROGRAM IN Development, Manufacturing & Authorization of Biopharmaceuticals

A.Y. 2026-2027 |

Teaching: September 2026-May 2027 | ONLINE

University: UNIMORE - Università degli Studi di Modena
e Reggio Emilia

Department: Dipartimento di Scienze della Vita

Introduction

The past decade has seen a significant shift in the products manufactured and sold by the innovative biopharmaceutical industry. The global biopharmaceutical portfolio reflects increased therapeutic competition, a greater prevalence of biological drugs, personalized or targeted drugs, advanced therapeutical medicinal products, and genotype-specific vaccines.

These changes are driving biopharmaceutical companies to seek specialized employees who can work collaboratively on manufacturing innovation. The 4TH Edition program includes concepts in Human Space Flight, Space Medicine, and AI data use and management.

Objectives

The master aims to prepare specialized, highly qualified personnel for various professional positions within the biopharmaceutical world, including:

- Manager/Director of laboratories with biotechnological and pharmacological characterization.
- Coordinator of development and monitoring programs of applied biotechnologies in human health, including industrial development, drug production, and AI data management.
- Expert in management of the regulatory aspects of market authorizations, ethical and legal implications for marketing, and environmental sustainability.

Who Can Attend

- Graduate students with core competencies in drug development, pharmaceutical, industrial biotechnology, and bioengineering.
- PhDs with core competencies in drug development and pharmaceutical biotechnology.
- Corporate personnel seeking high-level skills in biopharmaceutical product development, manufacturing, regulatory, ethical, and sustainability aspects.

Organization

The Master comprises 1500 hours (60 CFU):

- 240 hours of face-to-face lectures
- 375 hours of internship
- 125 hours for the final test

Classes begin in September 2026, held online via live streaming, generally on Fridays and Saturdays. Students are invited to Modena in-person two times during the teaching period (not obligatory).

Topics covered: 1) Development and manufacturing; 2) Clinical studies; 3) Data management and exploitation; 4) Regulatory; 5) Market access and sustainability.



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Costs and Application

- Application Deadline: June 30, 2026 - 1:00 p.m.
- Registration fee: € 6,000.00
- Reduction for recently graduated students (within 3 years from the degree): € 4,000.00

Options for individual modules/auditors are also available (see official website for details).

Scientific Committee

Directors: Prof. Maria Paola Costi (Director).

Committee members include Prof. Maddalena Rossi, Prof. Graziella Pellegrini, Dr. Giacomo Capone (AIFA), Prof. Dr. Paul M. Selzer (Boehringer Ingelheim), and Dr. Lorenzo Polenzani (Independent Life Science consultant, MSc).



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Contacts

Website: www.masterbiopharmaceuticals.unimore.it

For teaching/partnerships: mariapaola.costi@unimore.it

For program/application info: master.biopharmaceuticals@unimore.it

Presentation days

3 June hr 13-14 (CET)

Microsoft Teams meeting

Join: <https://teams.microsoft.com/meet/376007187603276?p=Gb2pFMQillbHgPtOH6>

23 June hr 13-14 (CET)

Microsoft Teams meeting

<https://teams.microsoft.com/meet/336193942675841?p=1xk8SB85tHJNCueRkl>