



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

**Master degree:
Pharmaceutical Biotechnologies**



Master degree

Department of Pharmaceutical Sciences

School of Medicine

Degree class: LM-9

CFU: 120

Second cycle master degree (2 years)

Doctor in

Pharmaceutical Biotechnologies



UNIVERSITÀ
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Pharmaceutical Biotechnologies

2016-2017

Director

Patrizia Polverino de Laureto

Students tutors

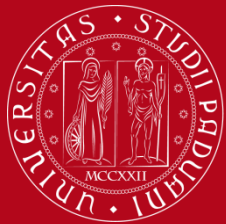
Angela Sisto

Elisa Micozzi

<http://en.didattica.unipd.it/didattica/2015/ME2193/2015>

<http://www.dsfarm.unipd.it/corsi/corsi-di-laurea-1/corso-di-laurea-magistrale-biotechnologie-farmaceutiche>

<https://it-it.facebook.com/BiotechnologieFarmaceuticheUnipd>



Pharmaceutical Biotechnologies is a second cycle master degree that aims



at providing graduates with professional skills in the field of Biotechnologies, with a specific focus on academic and industrial pharmaceutical research



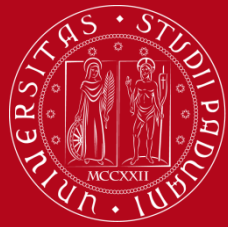
Course catalogue I year

1. Drug Discovery and Development	7 ECTS
2. Structural Biochemistry	6 ECTS
3. Advanced Molecular Biology	6 ECTS
4. Advanced Reactivity and Modelling	
A) Advanced Organic Reactions and Mechanism	4 ECTS
B) Biomodeling	3 ECTS
5. Protein Engineering	6 ECTS
6. Molecular and Experimental Pharmacology	10 ECTS
7. Proteomics and Biochemical Methodologies	6 ECTS



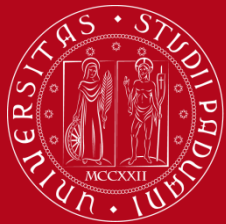
Course catalogue II year

8. Biologics & Biopharmaceutics	7 ECTS
9. Delivery and Formulation of Biotechnological Drugs	11 ECTS
Part A: Delivery of Biopharmaceutics	
Part B: Nanotechnology in Drug Delivery	
10. Diagnostic Microbiology and Molecular Immunology	
A. Microbiological Quality Controls of Biopharmaceutics	6 ECTS
B. Molecular Immunology	4 ECTS
11. Elective Course:	
Bioinformatics and Computational Biology	8 ECTS



Education program

- ✓ Teachings and laboratory
- ✓ **Seminars and short courses** dedicated to specialist and innovative topics in ambit of biotechnology,
- ✓ Experimental thesis in research labs at Padua University or companies or other universities (LLP/Erasmus).



Teaching approaches

1. Teachings updated with the most recent literature
2. Lectures in English
 - Curricular lessons
 - Seminars and lectures by international teachers and scientists
3. Assessment exams: individual tasks, group task, slide presentation
4. Critical approach to science: not only theory...
5. Events organized by students: projects and investigation

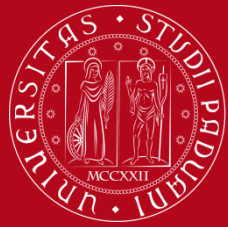


Admission requirements

- Available positions: **60 students**
- a. Pre-enrollment via web: **from 30th May to 7th September 2016**
- b. admission test: **14th September 2016**
- c. Enrollment **October 2016**

<http://www.unipd.it/avvisi-ammissione-lauree-magistrali>

<https://uniweb.unipd.it>

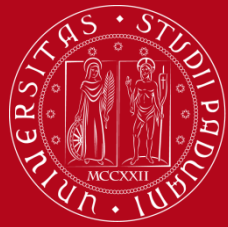


Enrollment requirements

Pre-enrolment deadlines are specified in the [admission bulletins](#).

Please go to the link: <http://www.unipd.it/en/how-apply> and <http://www.unipd.it/en/tuition-fees-scholarships-tax-relief-schemes>

For other information



Admission test

It is a multiple choice test (60 questions)

Topics: Chemistry, Biochemistry, Biology, Molecular Biology, Microbiology, Virology, Immunology

- a) 55 questions on Chemistry, Biochemistry, Biology, Molecular Biology, Microbiology, Virology, Immunology.
- b) 5 questions on the understanding **of a scientific text.**



Admission test

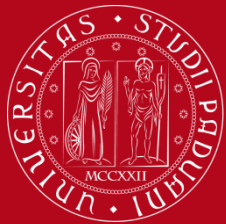
Available time: 90 minutes

Point Scores used for qualification:

- 1 for every correct answer,
- -0,1 for wrong answer
- 0 for no answer

On request, a simulation test will be available on the web site of the master degree

<http://goo.gl/forms/BvV9ofJedL>



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