



Genova University



Moscow State University Lomonosov

International University Master in Nanobiotechnology II level

Purposes of the course:

provide an update of theory and practice at a higher level on the most advanced aspects of nanotechnology and biotechnology applied to medicine, industry and environment.

Duration 24 months

Start October 1, 2015

Finish September 30, 2017

Deadline of application: September 10, 2015, noontime

The Committee's video conference for the valuation of the candidates: September 18, 2015, 2 p.m.

Deadline of enrollment: September 25, 2015.

The place of educational and training activity: Laboratories of Biophysics and Nanobiotechnology

Department of Experimental Medicine

University of Genova Medical School

Via Pastore, 3 , 16132 Genova, Italy

Organization of training activities:

Molecular Genomics, including Mutagenesis and DNA chips	10 credits
Structural and Funtional Proteomics, including Mass Spectrometry, MicroArray, Raman Spectroscopy and Synchrotron Radiation	30 credits
Molecular Modelling and Bioinformatics	12 credits
Micro- and Nano-Analysis	4 credits
Sample Preparation on the Micro- to Nanoscale up to LB	20 credits
Nanobiodevice Engineering as BioSensor, Photovoltaic cell	4 credits
Applications to medicine, electronics, energy, automotive and environment	10 credits
Thesis internship	30 credits

Committee Members and the President:

Presidents: Prof. Lamberto Felli (UNIGE coordinator) and Prof. Mikhail Kirpichnikov (MSU coordinator) with Prof. Evgeniya Peshkova (University of Genova) overall Managing Faculty.

Management Committee: Prof. Georgy Maksimov, Prof. Mikhail Eldarov, Prof.ssa Evgeniya Peshkova, Prof. Claudio Nicolini, Dr. Nicola Bragazzi.

Docents: see list in the attached Italian Decree (Bando)

Maximum number of places: 10 students, minimum number to activate the course is 5 student, with 4 of them enrolled from University of Genova.

Minimum Qualifications required: Bachelor or higher degree in health care, agricultural, scientific, engineering or humanistic disciplines awarded according to the ongoing regulations, either of first or second level degree in the same disciplines (or equivalent)

Modalities of admission: Valuation of titles in possession at the time of the application deadline, eventually accompanied by one or more letters of recommendation signed by university professors. The Joint Committee will evaluate the qualifications submitted by the candidates and the interview in video conference, according to criteria of scientific merit and training listed in the official decree.

Registration fee: the admitted candidates have to pay **1717,00 Euro** online at <https://servizionline.unige.it/studenti> by credit cards Visa, Visa Electron, CartaSi, MasterCard, Maestro, prepaid cards riUnige/riCarige, and can be divided as following:

1. € 417,00 by the deadline of enrollment September 25, 2015
2. € 650,00 by March 31, 2016.
3. € 650,00 by September 30, 2016.

The possibility of financial aid to cover the total of the registration fee and/or or fellowship for attendance of this master course. The methods of allocation will be announced and published on the websites www.dimes.unige.it and www.ibf.unige.it by the end of this announcement.

Intermediate tests and final exams:

The level of participants' learning level will be checked by a multiple choice test. Every participant is required to work on a research project under the guidance of a tutor and the preparation of a written thesis. At the conclusion of the course is a final examination by the defense of a thesis.

Granted title :

Diploma of University Master's Degree in "Nanobiotechnology" according to art. 19 of the Regulations for master classes, professional development and lifelong learning and University Masters courses for first and second level of University of Genova.

Upon the successful completion of the program by the student, according to the art. 16 of the Document of Implementation of Bilateral Master Course in Nanotechnology between Lomonosov Moscow State University and University of Genova, faculty of Biology of MSU will issue an **official certificate**. Obtaining of additional **Federal or University Master's Degree** may require the student to pass additional courses and/or enrollment steps in accordance with the procedures in force at Moscow University. The need, scope and terms of such supplementary program will be made available to every potential participant will be notified at the time of his application to the program.

Registration, application form online:

<https://servizionline.unige.it/studenti/post-laurea/master>

Information on the course in Italian:

<http://www.studenti.unige.it/postlaurea/master/>

Official Decree (Bando):

<http://www.studenti.unige.it/sites/www.studenti.unige.it/files/MSLNanobiotechnology23-12-2014-3.pdf>

More info requests (in Italian, English or Russian)

master.nanobiotechnology@gmail.com

Contacts and help:

Prof. Evgeniya Peshkova

eugenia.pechkova@gmail.com

The documents requested for application can be first anticipated by fax 0039 010 2099539.
This not disclaims the proper online application.