



Genova University



Moscow State University Lomonosov

International University Master in Nanobiotechnology (first level)

Laboratory of Biophysics and Nanobiotechnology

**Department of Experimental Medicine, University of Genova, Via Pastore, 3 ,
Genova.**

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 and industry

Duration 12 mesi **Start** 1 gennaio 2014 **Finish** 20 dicembre 2014

Deadline of application: 16 dicembre 2013, noontime

The Committee's video conference for the valuation of the candidates: December 23, 2013, 2 p.m.

Deadline of enrollment December 30, 2013

1500 hours of training inclusive of theory (40 hours), practice (160 hours), stage (925 hours) internship of the thesis (375 hours) of a total of 60 credits on following topics:

Molecular Genomics, including DNA chips (5 credits)

Structural and Funtional Proteomics, including Mass Spectrometry, MicroArray, Nanocrystallography and Synchrotron Radiation (15 credits)

Molecular Modelling and Bioinformatics (6 credits)

Micro- and Nano-Analysis (2 credits)

Sample Preparation on the Micro- to Nanoscale including Langmuir-Blodgett nanotechnology (10 credits)

Nanobiodevice Engineering as BioSensor, Photovoltaic cell (2 credits)

Applications to medicine, energy, agriculture and environment (5 credits)

Internship of the thesis (15 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

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

Maximum number of places 10 students, minimum number to activate the course 4 students, enrolled from University of Genova.

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

There may be the possibility of financial aid to cover the total of the registration fee and / or scholarships with a duration of less than or equal to six months. 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.

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 in accordance with the procedures in force at Moscow University, and also additional stages of the enrollment procedure might be required. 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:

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

Contacts and help:

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