



# Welcome to UPO

School of Medicine

Academic year 2016-2017

# The University

The university is located in three small towns where you can easily walk around: Alessandria, Novara and Vercelli, in the east of Piedmont Region. Milan is just 40 kms far from us, and Turin is also in the nearby.



# The settlements

## City

## Departments

## Study areas

### VERCELLI



- Rectorate
- Humanities

- Humanities
- Material Science

### NOVARA



- Economics and Business Studies
- Health Sciences
- Pharmaceutical Sciences
- Traslational Medicine

- Business and Economics
- Law
- Medicine, Surgery and Health Sciences

### ALESSANDRIA



- Law and Political, Economic and Social Sciences
- Science and Technological Innovation

- Business and Economics
- Law
- Political and Social Sciences
- Chemistry and Biology
- Computer Sciences
- Pharmacy

# HIGH QUALITY OF RESEARCH

A close-up photograph of a scientist in a white lab coat and safety goggles. The scientist is wearing blue nitrile gloves and is carefully pouring a vibrant purple liquid from a glass flask into a clear glass beaker. The background is a blurred laboratory setting with various pieces of equipment and bright lighting.

- 4<sup>th</sup> place in Italy among mid-size universities.
- 1<sup>st</sup> place in many scientific fields

# School of Medicine

Education at our School of Medicine is built in order to **prepare people** who wish to move **towards a profession in health or in the biomedical research.**

There are many services for students: the Library, that also offers the possibility to search for online books and articles; outgoing mobility scholarships; international study program according to the Erasmus Program and Free Movers activities.

The favorable teacher-student ratio allows students to be taken care of, step by step, throughout their academic career as well as to gain brilliant results in national tests.

Moreover, about 90% of graduates goes into the labor market one year after their graduation.

# Services for students

The Rectorate and the Departments have a **broad range of facilities and services** to improve the quality of students' lives and to assist them before, during and after university years:

- Orientation service aims at introducing new students to academic and support staff and helping them with any queries about studies
- Financial aid (loans, part-time jobs on campus, scholarships and grants)
- Residences and housing assistance, university restaurants, canteens etc.
- Cultural, leisure and sport events and activities promoted by students
- Specialized peer tutoring and support for disabled students and students with learning disabilities
- Training and Career Service aims at assisting students to explore stages and job options, as well as internship and apprenticeship opportunities.



# Course in Medical Biotechnologies

The course aims at providing interdisciplinary lessons based on various fields of biotechnologies of medical interest, with particular emphasis on basic research, diagnostics, target therapy and regenerative medicine.

Graduates in Medical Biotechnologies are able to use in total autonomy biotechnological protocols in the medical field.

They should be able to quickly fit in the working environments at national, European and extra-European levels, possessing appropriate technical and scientific skills.

# Course in Medical Biotechnologies

## Academic requirement

Admission is based on high achievement in a previous degree. Students will normally hold an undergraduate degree in either: **Biology, Biotechnology, or closely related cognate fields within the Health Sciences.**

English language requirement: level A2



# Course in Medical Biotechnologies

## Objectives:

- Have a good basic understanding of complex biological systems, studied at the molecular and cellular level, in particular related to humans;
- Possess the cultural background and the multidisciplinary experimental techniques that characterize the biotechnological environment for the production of services through the use of biological systems;
- Possess adequate skills for communication and information management in the international arena;
- Be able to work in team and develop networking skills, maintaining a solid operative autonomy

# Course in Medical Biotechnologies

## Employment opportunities in:

- Universities and other public and private research Institutes;
- Structures of the National Health System, hospitals, public and private specialized laboratories;
- Pharmaceuticals & Biotech;
- Centers of research and development of diagnostic products in the field of health biotechnologies ;
- Centers of biotechnology in the medical services;
- Institutes for processing of health standard or patent relating to the exploitation of biotechnology products for the protection of human health;
- Clinical Research Organizations (CRO) for development of innovative drugs.

# Course in Medical Biotechnologies

## LEVEL TEST

- The Master Degree in Medical Biotechnologies requires some basic skills, with a particular focus on biology, biotechnologies and, more in general, health sciences knowledge.
- We strongly recommend you to self-evaluate your skills answering several multiple choice questions that are included in the level test available at <http://www.med.unipmn.it/mb/>
- The test mainly focuses on biochemistry, molecular biology, genetics, cell biology, anatomy and immunopathology (consider a good result 70% of correct answers).

# Course in Medical Biotechnologies

## First YEAR

Year	Semester	Comprehensive course	Course	SSD	Hours	CFU	Professor
1	I	Neoplastic and proliferative disorders	Hematoncology	MED/15	20	5	GAIDANO Gianluca
			Experimental oncology	MED/04	28	7	ISIDORO Ciro (*)
		Functional Genomics	Genomic analysis	MED/03	30	5	GIORDANO Mara (*)
			Regulation of gene expression	BIO/10	20	5	BALDANZI Gianluca
			Genetics	BIO/18	8	1	ZUCHELLI Silvia
		Fertility, reproduction and endocrine system biotechnologies	Endocrinology and Metabolism	MED/13	10	2	MARZULLO Paolo (*)
			Biotechnology of reproduction	MED/40	12	2	SURICO Daniela
	Molecular virology	Molecular Virology	MED/07	28	6	GARIGLIO Marisa (*)	
	II	Regenerative Medicine	Molecular Biology	BIO/11	30	5	PELICCI Giuliana
			Histology, Gene and Cell Therapy	BIO/17	30	5	FOLLENZI Antonia (*)
		Internal Medicine	Internal Medicine	MED/09	20	5	CASTELLO Luigi Mario (*)
		Molecular therapy	Biotechnological applications	BIO/13	36	6	ELLIS Steven
			Pharmacology	BIO/14	25	5	VIANO Ilario (*)
	Internship	Internship			4		
	Optional activities	Optional activities			4		

# Second YEAR

2	I	Transplantation and Biocompatibility	Hematopoietic stem cell biology and transplantation	MED/15	6	1	GAIDANO Gianluca
			Biotechnology in kidney transplantation	MED/14	6	1	QUAGLIA Marco
			Transplant immunology	MED/04	8	1	CHIOCCHETTI Annalisa
			Materials Biocompatibility	BIO/16	4	1	BOCCAFOSCHI Francesca
			Molecular strategies for improving materials biocompatibility	BIO/11	8	1	MANTOVANI Diego
			Nanomaterials	MED/28	4	1	RIMONDINI Lia (*)
	Public health and regulatory aspects	Public Health	MED/42	30	5	FAGGIANO Fabrizio	
		Innovation and Patents	SECS-P/07	8	1	GATTEI Valter	
		Biomedical statistics	MED/01	20	5	MAGNANI Corrado (*)	
	II	Molecular diagnostics	Pathologic basis of diseases	MED/08	20	5	BOLDORINI Renzo (*)
			Clinical applications of Molecular Biology	BIO/12	20	5	TBA
			Clinical Pathology	MED/05	4	1	ROLLA Roberta
Internship		Internship			10		
Optional activities		Optional activities			8		
Experimental thesis		Experimental thesis			14		

# EXAMS

- WRITTEN AND/OR ORAL EXAMS FOR EACH COMPREHENSIVE COURSE

# INTERNSHIP

The internship starts at the beginning of the II semester of the 1<sup>o</sup> year in a lab at the UPO (Immunology, Hematology, Genetics, Anatomy, Applied Biology, Biochemistry, Microbiology, .....)

# THE ENROLLMENT AT UPO

## Administrative deadlines

1. Application for the admission to the Master Degree (Students Office)

***From August 2016 to December 2016***

2. Enrollment fee – first instalment

### ***When enrolling***

3. Application for scholarship, sleeping accomodation and food service

***From July 2016 to September/October 2016***

4. Enrollment fee – second instalment

***Within April 2017***







## The enrollment at the Master Degree in Medical Biotechnologies

### Basic Courses

Some optional Basic Courses will be activated on **September 2016** for the students who will attend the 1 year of the Master Degree in Medical Biotechnologies.

*Attendance to these courses is optional but highly suggested.*

### Beginning of the classes (first semester)

The first semester courses usually start in the second part of October and last until December, while the second semester courses start at the beginning of March and finish in May.

**IMPORTANT!**

**IT'S SUGGESTED THAT ALL INCOMING STUDENTS WILL ARRIVE IN SEPTEMBER IN ORDER TO COMPLETE ALL THE ADMINISTRATIVE PROCEDURES.**

## FEES AND EXEMPTIONS

The annual fees vary **from a minimum of about 500 Euros to a maximum of about 1,900 Euros, divided in two instalments:**

- The FIRST, corresponding to the minimum amount, is the same for all students and it is due at the moment of enrolment;
- The SECOND, which is calculated on the basis of the student's economic situation, has to be paid by April.

In order **to obtain a tax** reduction or an exemption from the tuition fees on the basis of their income, students have to [apply for the ISEE certification](#) (the ISEE amount is the basis for the calculation of the second instalment). The **ISEE (Indicator of the economic situation)** estimates the economic situation of families.

The ISEE certification is issued by any CAF/CAAF (Authorized Fiscal Assistance Centre).

# IMPORTANT FOR ISEE CERTIFICATION!

Before arriving in Italy the students are invited to go to the Italian Embassy or Consulate and ask for the following documents translated and validated (they are important in order to apply for financial benefits at an Italian University):

- *Family members certificate*
- *Income of the family for 2014*
- *Bank account at December 31st, 2015*
- *Buildings ownership value/revenue - if applicable*
- *Buildings and land possession - if applicable*
- *Debts for loans - if applicable*
- *House rents of your family - if applicable*
- *Invalidity - if applicable*
- *All the family business income of 2014 - if applicable*
- *Life insurance at December 31st, 2014 - if applicable*



## SCHOLARSHIP, SLEEPING ACCOMODATION, FOOD SERVICE

The students can apply for a study grant, the sleeping accomodation and the food service. They are offered by EDISU.

EDISU is an agency in charge of all the activities and services for the so called “Right of Study”.

**It is important to read carefully all the instructions on EDISU website and to respect all the deadlines**

(<http://www.edisu.piemonte.it/en/>)



**IMPORTANT:** For the scholarship the students must arrive long in advance (15 days minimum before the deadline) with all the documents requested translated and validated in order to take an appointment in CAF office to make a certification called ISEE that is necessary for applying to the scholarship.

# The accomodation

The University provides its students with the accommodation solutions:

## - **EDISU RESIDENCES**

The students can rent a room at university residences managed by **EDISU Piemonte**, through the EDISU online procedure;

## - **RESIDENCES (easy cost)**

The students have the opportunity to stay in the Residences in Vercelli. This year the cost is around **180€** per month per person in a double room with bathroom. (+ 180€ caution to pay at the arrival).

*For the next year the information about the types of accommodation or the cost or the booking procedure would change. Every updated information will be make known as soon as possible;*

## - **SPORTELLO CASA SERVICE** ([www.sportellocasapiemonte.it](http://www.sportellocasapiemonte.it))

Through this association, the University offers the international students free assistance in finding apartments and rooms in the city. The service is available with direct assistance at the office.

**CONTACT PERSON:** Mr. **Gentian Beqo** - mail address: [g.beqo@fondazionefalciola.it](mailto:g.beqo@fondazionefalciola.it)

# ITALIAN LANGUAGE

Italy is an Italian speaking country.

Only few people can speak English, so we highly recommend to learn some basic Italian before leaving your country. To keep your residence permit you will be requested to attend an “Integration course”.

The University offers free language courses. Please, contact us in advance if you are interested: [clupo@uniupo.it](mailto:clupo@uniupo.it).

# STAYING IN ITALY (essential documents)

## Fiscal code

It is a tool used to identify citizens and is issued by the Ministry of Finance. It is required for various procedures, e.g. to complete your enrolment but also to open a bank account or to activate an Italian mobile phone number;

## National Health Service

Non-EU guests regularly staying in Italy can choose between two different health coverings:

- Public covering supplied by "SSN - Servizio Sanitario Nazionale" (National Health Service). Please note that the covering expires on 31st December.
- Private insurance to be purchased directly from an insurance company, INA Assitalia for example which costs is **98,00 euros** for a year. The policy only covers emergency health treatments in public hospitals.

## Residency permit for non-EU citizens

The residence permit is issued to foreign citizens coming from Extra EU countries who attend an university course. The residence permit application must be requested at the post office **within 8 working days** after their arrival in Italy.





## ADMINISTRATIVE SUPPORT SERVICE

The University supports the student with:

- the request of the residence permit;
- the fiscal code issue;
- the accommodation research;
- ISEE certification;
- the university enrollment at the Students Office.

### ***CONTACT PERSON***

Miss ALICE COLOMBO

mail address: [alice.colombo@uniupo.it](mailto:alice.colombo@uniupo.it)



## LIVING IN NOVARA

The **storic building** (Bellini Palace) of the School of Medicine can be found **in the city centre**, in Via Solaroli 17. It is also home to offices, which include the **Didactical Office** and the laboratories .

The **Students Office** is located in Via Perrone 18 – a five minute walk from via Solaroli 17.

The **schoolrooms** are located in Perrone Campus – (Via Perrone, 18).

### From the trainstation

- By walking (distance 1,1 Km - 14 minutes);
- By bus (fermata in C.so Mazzini - Ospedale): Lines 1-3-5-6.

For information:<http://www.sun.novara.it/>



# Cost of Living in Novara

## Students' basic budget

Accommodation (per month per person): about 200 €/month

Transportation: One-way Ticket (Urban Transport) 1.30 €, train ticket (from Vercelli to Novara): 3.05 € (about 15 minutes).

## Eating and going out

Sandwich in a bar: 2.50/3 €

Dinner in a pizzeria (pizza+drink+coffee): about 15€

Coffee: 1€

Cappuccino: 1.30€

Water (bottle - 0,50cl): 1€

Aperitivo: 7/12€

University restaurants: 2.50/7.00€



**Food** (Below you will find the average price of some of the most common goods to help you get an idea of the cost of living in Novara).

Breakfast cereals (1000.0gr): 4.08 € - Chocolate (100.0gr): 1.07€ - Beef meat (1000.0gr):

15.86€ - Flour (1000.0gr): 0.79€ - Biscuits (1000.0gr): 2.85€ - Milk (100.0cl): 1.14€ -

Olive oil (100.0cl): 5.14€ - Pork meat (1000.0gr): 6.83 € - Bread (1000.0gr): 3.32 €

Pasta (1000.0gr): 1.45€

# More information

[www.med.uniupo.it/md](http://www.med.uniupo.it/md)

[www.uniupo.it](http://www.uniupo.it)

Home/Internazionale/International Students

[mb.apply@uniupo.it](mailto:mb.apply@uniupo.it)

Information about enrollment and facilities

[master.biotechnology@uniupo.it](mailto:master.biotechnology@uniupo.it)

To contact the teaching staff



A man in a green polo shirt, blue jeans, and red shoes stands in a grassy field with his arms outstretched and head tilted back, looking up at a bright blue sky filled with white, fluffy clouds. The word "WELCOME" is overlaid in large, white, bold, sans-serif capital letters across the center of the image.

**WELCOME**