

SCIENCES, TECHNOLOGIES AND HEALTH

# Microbiology, infectious diseases and immunology 2nd year

Master in Biology



Target level  
Baccalaureate  
+5



ECTS  
60 credits



Duration  
1 year



Component  
UFR Chimie-  
Biologie



Language(s) of  
instruction  
English

## Presentation

The first year of the IMID master program entitled Molecular and cellular biology is meant to complete the general scientific background of the enrolled students in various fields of biology (cell biology, genetics and biochemistry) during the first semester. The second semester is devoted to introduce the students to their specific master 2nd year's program by offering them specialized courses. For IMID, the students will have at their disposal one UE for Immunology, one for microbiology, and one for Infectious diseases.

During this first year, the students will develop their written and oral skills for the search of internships and/or jobs as well as for the presentation of research projects and experimental results (mandatory modules of 3 ECTS - Communication tools - and 18 ECTS during the semester 7 of the master 1st year's program, 2 months internship during the semester 8).

The second year, first semester comprises 4 specific and integrated UEs that goes from microbiology to infectious diseases, to immunity against cancers and infectious diseases to end with pathology and immunology. During this second year, enrolled students will have the opportunity to further improve their written and oral presentation skills. The semester 10 is fully devoted to an internship..

**International education** : Internationally-oriented programmes

## Admission

### Access conditions

Second year of the master's degree in Biology : To be eligible to apply, you should have completed (or you should be enrolled in) a first year of a master's degree in Sciences *i.e.* you should have validated 60 ETCS of a master's degree in Sciences by the end of your current academic year.

Public continuing education : You are in charge of continuing education :

- if you resume your studies after 2 years of interruption of studies
- or if you followed training under the continuous training regime one of the previous 2 years
- or if you are an employee, job seeker, self-employed

If you do not have the diploma required to integrate the training, you can undertake a validation of personal and professional achievements (VAPP)

### Candidature / Application

**Recruitment campaign** with monmaster.gouv.fr

- 1st opening period for recruitment on e-candidat : **from 4th of march to 27th of march 2024 included**

- 2nd opening period for recruitment on e-candidat : **from 29th of april to 15th of may 2024 included**

Candidates from a foreign University, please see the admission requirements on the following [website](#)

An interview will be proposed to the applicants to the first or second year of the master's degree in order to test their motivation.

---

## Fees

UGA registration fees : 243 € + 100 € CVEC

## And after

---

### Further studies

The students graduating from the Immunology, microbiology and infectious diseases (IMID) master program should be able to undertake a PhD research project in the fields of immunology, microbiology and/or infectious diseases. Consecutively to their PhD, the young researchers undertake one or two post-doctoral trainings of 2-3 years each, usually in foreign countries, in order to diversify their expertise.

---

### Study abroad

They can then apply to permanent positions as

- Full time researchers at the national French organizations of research ("CNRS", "INSERM", "INRA", "IRD" etc)
- Project managers in R&D laboratories from private biotech companies
- Part time researchers, part time teachers in French or foreign universities

---

### Sector(s)

Graduating from a master degree in Immunology – microbiology – infectious diseases leads to a career as a research engineer in academic or private laboratories.

## Useful info

---

### Contacts

Program director

Bertrand Huard

✉ [bertrand.huard@univ-grenoble-alpes.fr](mailto:bertrand.huard@univ-grenoble-alpes.fr)

Administrative contact

Scholarité Master Biologie

✉ [ufrchimiebiologie-master-biologie@univ-grenoble-alpes.fr](mailto:ufrchimiebiologie-master-biologie@univ-grenoble-alpes.fr)

Continuing education manager

Muriel Lascar

☎ 04 76 01 26 28

✉ [fc-chimiebio@univ-grenoble-alpes.fr](mailto:fc-chimiebio@univ-grenoble-alpes.fr)

---

### Course location(s) - City

📍 Grenoble

---

### Campus

🏠 Grenoble - University campus

# Program

## Specifics of the program

Program under construction - awaiting CFVU vote

### Master 2nd year

#### Semester 9

	Nature	CM	TD	TP	Crédits
UE Research project	Teaching Unit (UE)	6h	30h		6 credits
UE Fundamental and Applied Microbiology	Teaching Unit (UE)				6 credits
UE Infectious diseases (part II)	Teaching Unit (UE)				6 credits
UE Pathology and immunology	Teaching Unit (UE)				6 credits
UE Immunity against cancers and infectious diseases	Teaching Unit (UE)				6 credits
UE Cancer disease : experimental and therapeutical approaches	Teaching Unit (UE)	30h	10h		6 credits
UE High throughput Biology	Teaching Unit (UE)	30h	10h		6 credits
UE Biostatistics, bioinformatics, modeling (part II)	Teaching Unit (UE)	27h	12h		6 credits

#### Semester 10

	Nature	CM	TD	TP	Crédits
UE Business plan of your start-up (entrepreneurship and science)	Teaching Unit (UE)	14h	10h		3 credits
UE Laboratory internship IMID (part II)	Teaching Unit (UE)				24 credits
UE Communication in scientific english (part II)	Teaching Unit (UE)				3 credits

UE Transverse teaching of choice

Teaching  
Unit (UE)

3 credits