

## Career Opportunities by profile

*With a Master degree:*

- **Experimental Research:** engineer, R&D project manager, business manager \*
- **Data Analyst:** engineer in bioanalysis
- **Clinical Research:** clinical research assistant, clinical trial coordinator
- **Management/Marketing:** scientific communication officer, business, product or marketing manager\*

*With a PhD degree:*

- **Experimental Research:** researcher in biology, engineer in biology, entrepreneur\*, lecturer in biology, R&D research manager
- **Data Analyst:** engineer, lecturer or researcher in bioanalysis
- **Clinical Research:** clinical research manager
- **Management/Marketing:** scientific innovation project manager, entrepreneur

\*Additional training will be required



### Contact

#### Programme leaders

Jérôme MARTIN

Laetitia GAUTREAU - ROLLAND

[gpi3@univ-nantes.fr](mailto:gpi3@univ-nantes.fr)

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# Immunology and Immuno-intervention (I<sup>3</sup>) Graduate Programme

MASTER'S AND DOCTORAL DEGREES



**Objectives: to provide Master and PhD students with high-level international training in Immunology.**

The Graduate Programme I<sup>3</sup> is integrated into the Graduate School Health sciences and technologies.

GP I<sup>3</sup> offers Master and Doctorate degrees aiming to prepare the next generation of Immunologists to outstanding questions related to **translational immunology and immunointervention**

Our students will benefit from the contribution of **three internationally-established immunology research institutes (INCIT, CRCI2NA and CR2TI)**, as well as several biotechnology companies in Immunology based in Nantes. Moreover, GP I<sup>3</sup> is ideally located at CHU de Nantes to foster privileged interactions between clinicians and scientists towards high-level research-driven training programmes in Health.



## Our programme

### Master

Basic and advanced Immunology	Immuno-inflammation	Experimental approaches in immunology	Immuno-Cancerology
Interdisciplinary Project	Practical work	Article analysis	Transversal Courses (Gene Manipulation tools, Data analysis...)

Scientific writing workshop	Winter/Summer School	Internship	International mobility
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<b>Courses related to 3 profiles</b>	Experimental Biology Profile	Data Analyst Profile	Clinical Research Profile
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### Doctorate

Research project	Transversal training (Communication, innovation, ethical, project management, ...)	Specialized training (Data analyst, animal experimentation...)
International mobility	Workshops, Winter/Summer School	Supervising Master students

Financial support is available for international mobility : Erasmus + programme, Icahn School of Medicine at Mount Sinai (NYC), University of Birmingham

## Research laboratories



## Why us ?

- An academic team composed of researchers from the laboratories of excellence
- High-end training in immunology, immunopathology and innovative immune-intervention** strategies in the context of organ transplantation, cancer, immune-mediated inflammatory diseases and infections.
- Personalized coaching and mentoring** leading to the mastering of solid skills required to become outstanding scientists in Immunology.
- Internship and research mobility opportunities in USA and UK

## GP I<sup>3</sup> Scientific areas

- Immunopathology of chronic inflammatory digestive, neurological, rheumatological and dermatological diseases
- Immunopathology of organ and tissue transplantation immunopathology of cancer
- Immunopathology of sepsis immunointervention strategies in oncology, transplantation, infectious diseases and chronic inflammation
- Host interactions: microbiota in mucosal barriers
- Gene manipulation of immune cells in the context of immunotherapies.

## Admission

### Academic requirement

Students must have completed a degree preferentially in Sciences and Health field (Students/ interns in Medicine, Pharmacy and Dentistry)

- **At master's level:** Bachelor's degree is required in Life Sciences (180 ECTS validated)
- **At PhD level:** Master's degree is required in immunology (Bachelor + 120 ECTS validated)

### Language requirement

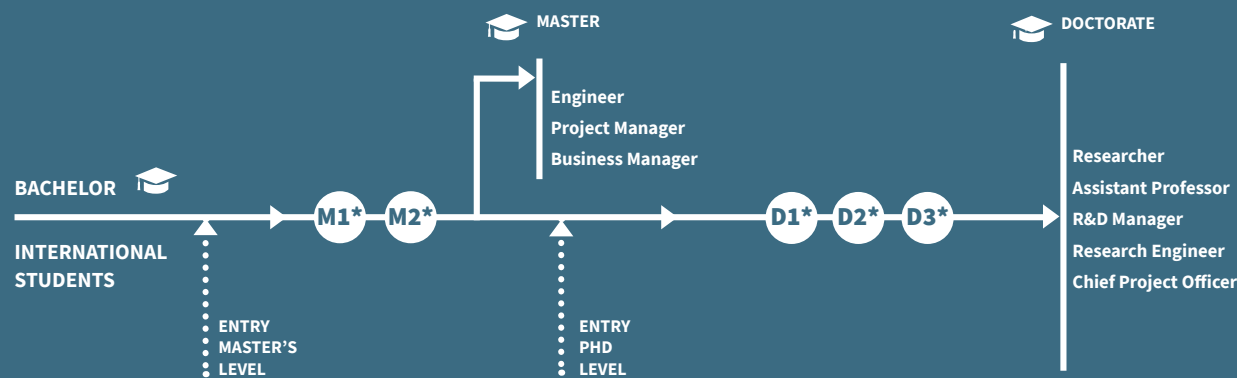
#### For Master Level:

Students must have the ability to write and communicate in English

#### For PhD level:

Fluency in speaking, listening, reading and writing English.

## Our Graduate Programme path



\*M1 and M2: 1st and 2nd year of Master's; D1, D2 and D3: 1st, 2nd and 3rd year of Doctorate

## Skills

### Master

- Conduct research and analysis of bibliographic and technological resources
- Design a Biology-Health project in one's field of specialization
- Develop an experiment in Health Sciences
- Analyse data collected in a fundamental, clinical, or pharmacological research study
- Promote results and scientific production

### Doctorate

- Develop a project within a research team.
- Deepen the specialized knowledge.
- Develop teaching and project management skills.