

Career Opportunities by profile

With a Master degree:

- **Experimental Research:** engineer, R&D project manager, business manager *
- **Research and Omic Data Analysis:** 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
- **Research and Omic Data Analysis:** 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

Project supported by the French National Research Agency as part of the «Investissements d'Avenir» programme

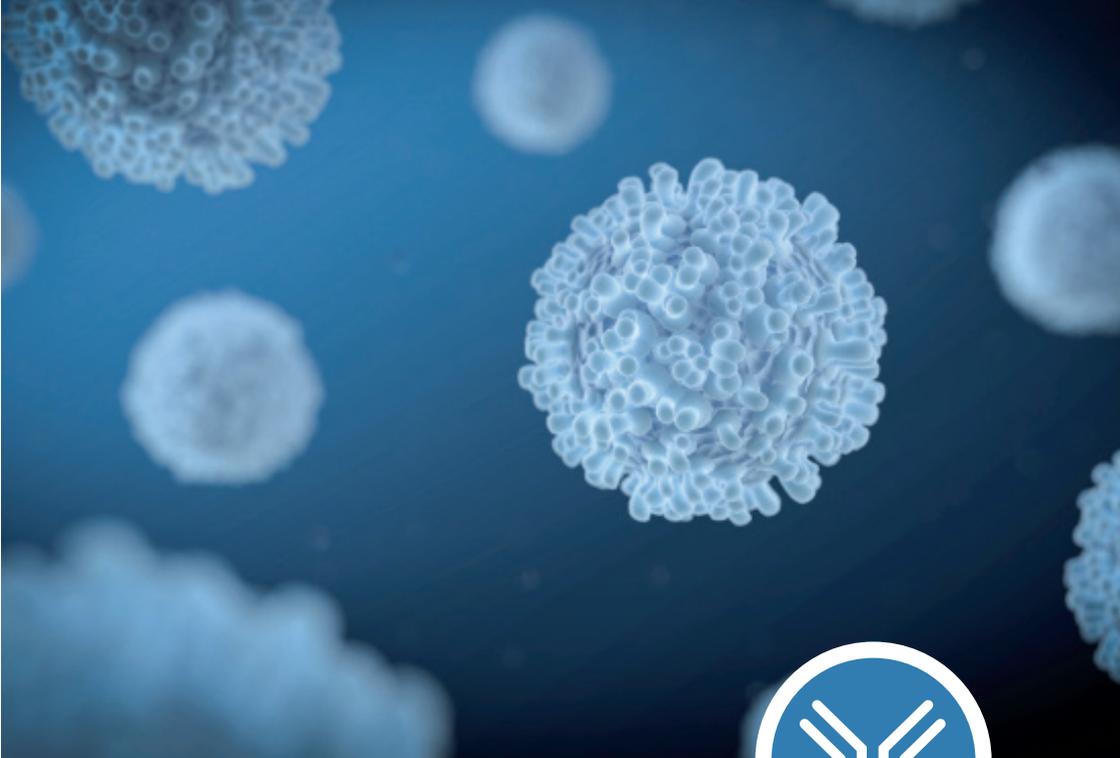


ANR-20-SFRI-0014



univ-nantes.fr





Immunology and Immuno-intervention (I³) Graduate Programme

MASTER'S AND DOCTORAL DEGREES

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

The Graduate Programme I³ is integrated into the Graduate School Health sciences and technologies.

GP I³ 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 I³ is ideally located at CHU de Nantes to foster privileged interactions between clinicians and scientists towards high-level research-driven training programmes in Health.

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

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

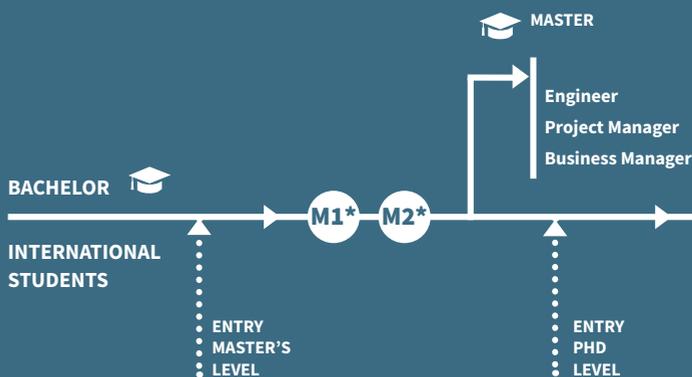
For PhD level:

Fluency in speaking, listening, reading and writing English.

GP I³ 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.

Our Graduate Programme



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



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
-----------------------------	----------------------	------------	------------------------

Courses related to 3 profiles	Experimental Research	Research and Omic Data Analysis	Clinical Research
--------------------------------------	-----------------------	---------------------------------	-------------------

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



Nantes-Angers Cancer and Immunology Research Center



Immunology and new concepts in Immunotherapy

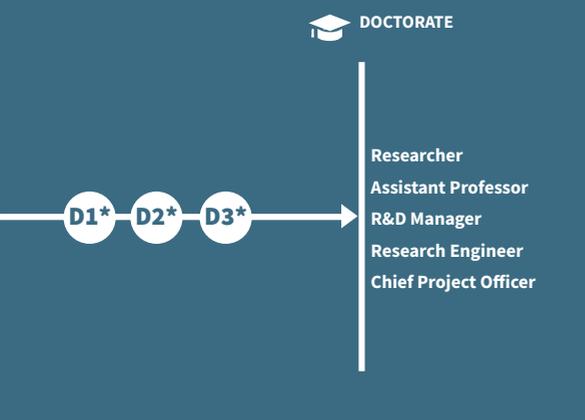


Center for research in transplantation and Translational Immunology



Excellence Network

path



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.