



2020 International PhD program at *Imagine* institute of genetic diseases

***Imagine* institute of Genetic diseases located in Paris (France) has an open call for 4 fully funded PhD student positions for foreign applicants. Highly motivated and talented candidates are invited to apply for the funded scholarships before March, 27th.**

Established in 2007 as a Scientific cooperation foundation, the *Imagine* Institute of Genetic Diseases was awarded the French label of excellence “University Hospital Institute” in 2011 by the French Government, with the Paris Public Hospitals Group (AP-HP), INSERM and University of Paris as institutional public partners. *Imagine* Institute (<http://www.institutimagine.org>) is an interdisciplinary research centre composed of 24 research labs, 4 adjunct laboratories, 25 rare diseases reference centers and 13 cutting-edge research facilities.

The vision of the institute is to **integrate research into clinical practice in order to better understand genetic diseases with unmet medical needs**, and to propose and validate diagnostic and therapeutic approaches. This vision can be considered according to four core missions: **patient-focused research; innovative care; education and training; and technology transfer**. This project builds on a critical mass of experts – 850 scientists, medical doctors, technicians, postdocs, PhD students, paramedical personnel, and therapeutic innovation professionals – established, all in one place in the *Imagine* building within the Necker-Enfants malades hospital campus (Université de Paris), which takes care of patients and their families to provide them with the diagnostic and therapeutic solutions.

Imagine is recruiting outstanding and enthusiastic students to its International PhD programme. These students will work in an international institute with more than 35 nationalities represented with up-to-date facilities and in a multi-disciplinary and stimulating scientific environment. The training program presents opportunities in genetics, immunology, infectious diseases, haematology, nephrology, developmental defects, metabolic diseases, encephalopathies, cardiology, clinical bioinformatics, dermatology and gastroenterology within the research groups of *Imagine* and associated labs (Annex 1). An individual thesis advisory committee will provide personal feedback, guidance and mentorship for every student.

Four positions are open for this call. They include a salary (€ 2000 per month net salary) for 3 years.

The person in charge of the programme is Dr. Frédéric Rieux-Laucat.

ELIGIBILITY

- Applicants should hold an MSc with a strong background in biological sciences from a non-French university.

APPLICATION

- Research projects proposed by *Imagine* research laboratories
- Applicants have to select one project and contact the laboratory
- Applicants and supervisors apply together to the call. The application should include:
 - CV with references
 - letter of motivation
 - letter from a previous supervisor
 - project (2 pages maximum)
- Applications will be sent by the laboratory by email to : callapplication@institutimagine.org
- Application deadline for the current round is **March 27th 2020**

SELECTION PROCESS

- Application procedure there are 3 steps in the selection process:
 - First step: find a host laboratory. Available labs and their projects will be posted on the web site and may be contacted from February 7th to March 26th
 - Second step : submit complete application in collaboration with host lab by March 27th
Applications will be reviewed by a scientific committee composed of internal and external scientific experts
 - Third step: 8 short-listed candidates will be invited for an interview week at *Imagine* Institute from 22th to 26th of June.
- Successful candidates will be notified by mi-July
- Upon acceptance, students will be required to enrol to the doctoral school of Université de Paris.
- All PhD students are expected to start by late 2020 or 2021

Annex 1

List of the 24 research laboratories

- **L. ABEL:** Human genetics of infectious diseases: complex predisposition
- **J.L. CASANOVA:** Human genetics of infectious diseases: Monogenic predisposition
- **M. CAVAZZANA & I. ANDRE-SCHMUTZ:** Human Lymphohematopoiesis
- **N. CERF-BENSUSSAN:** Intestinal Immunity
- **V.CANTAGREL:** Developmental brain disorders
- **V. CORMIER-DAIRE & L. LEGEAI-MALLET:** Molecular and physiopathological bases of osteochondrodysplasia
- **Y. CROW:** Neurogenetics and neuroinflammation
- **G. MENASCHE & F. SEPULVEDA :** Molecular basis of altered immune homeostasis
- **J-P. DE VILLARTAY & P.REVY:** Genome dynamics in the immune system
- **O. HERMINE:** Molecular mechanisms of hematologic disorders and therapeutic implications
- **A. HOVNANIAN:** Genetic skin diseases: from disease mechanism to therapy
- **S. LYONNET & J.AMIEL:** Embryology and genetics of malformations
- **S. LATOUR:** Lymphocyte activation and susceptibility to EBV
- **S. MEILHAC:** Heart morphogenesis
- **A.MICCIO:** Chromatin and gene regulation during development
- **A. RAUSELL:** Clinical bioinformatics
- **F. RIEUX-LAUCAT:** Immunogenetics of pediatric autoimmune diseases
- **A. RÖTIG:** Genetics of mitochondrial diseases
- **J-M. ROZET:** Genetics in ophthalmology
- **S. SAUNIER & C. ANTIGNAC :** Hereditary kidney diseases
- **M.SIMONS:** Epithelial biology and disease
- **E. KABASHI:** Translational research for neurological disorders
- **A. PIERANI:** Genetics and development of the cerebral cortex
- **M. MENAGER:** Inflammatory responses and transcriptomic networks in diseases

4 adjunct laboratories

- **N. BODDAERT:** Image at Imagine
- **M.POLAK:** Molecular basis of several congenital or neonatal endocrine disorders and establishment of new therapeutic strategies
- **S.SARNACKI:** IMAG2 – Computational anatomy for image-guided minimally invasive surgery in pediatric tumoral and developmental diseases
- **Y. VILLE:** Impact@Imagine – innovative multidisciplinary prenatal approach of congenital diseases and their treatments

Scientific Report 2019, Imagine Institute:

<http://bit.ly/2U6UaAv>