

## Call for a Doctoral Scholarship in Biology and Health (2020-2023)

### 1) LIVE Graduate School

LIVE (Life trajectories and health VulnErability) Graduate School was selected by the Research Ministry as part of Graduate Schools of Research (EUR) of the PIA3 (the third phase of the Investments for the Future Program). This Graduate school is located at UPEC (*Université Paris-Est Créteil*), France. It addresses three crucial needs (i) a permanent structure to carry out multi-scale, multidisciplinary research and teaching on vulnerability, (ii) a solid integration in the health sector and (iii) a continuum between academic research and “real life” to enable innovation and tackle vulnerability. At the cross-roads of health/biology, social and environmental sciences, LIVE offers advanced research programmes with a strong transdisciplinary, transcultural and international focus. LIVE benefits from the complementary expertise of specialists of health economics, public health and ageing, and a unique multidisciplinary consortium studying the impact of environmental pollution on health (physics, chemistry, engineering, environmental & biological science, developmental biology, psychiatric disorders, cardiovascular & respiratory pathophysiology and bioinformatics). LIVE overcomes the fragmented approach to vulnerability in the setting of health care, socio-economic environment and environmental exposure and provide a transdisciplinary and multiscale training to selected students, by creating a PhD programme developing cutting-edge research in the field of vulnerability, in one of 4 relevant doctoral schools.

LIVE is built around 3 pillars, each of which has a longstanding reputation for excellence, but which require further integration in order to address the issue of vulnerability:

- 1<sup>st</sup> pillar: health and biology research, which relies on recognized expertise in the field of age-related cardiac and lung diseases, infectious diseases, psychiatric disorders and rare diseases.
- 2<sup>nd</sup> pillar: economics and public health.
- 3<sup>rd</sup> pillar: environmental determinants (air, water and soil quality, environmental hazards, pollution, contaminants and toxins) and their impact on health.

### 2) Doctoral Scholarship in Health and Biology

A Doctoral Grant is offered by UPEC (*Université Paris-Est Créteil*) for 3 years from October 2020 to September 2023 for applicants eager to work on **Vulnerability in Health** with **an interdisciplinary approach** (Health and Biology). Candidates have to be fluent in English and the Ph. D. Dissertation project has to deal with Vulnerability in Health, in a broad meaning.

All candidates must complete a formal application, including:

- Curriculum vitae
- Academic transcript (two last years)
- Ph.D project (up to 5 pages) including the following topics: Problematic, Literature review, Ph.D Originality, Methodology, References.
- Academic references are welcome

## Eligibility and Selection Criteria for applying in Health and Biology

- Master's degree in biology or health
- Excellent skills in molecular and cellular biology, genetics, or animal models.
- Excellent knowledge in physiopathology (immunology, microbiology, genetics ...)
- Proficiency in statistics and medical research
- Ability to take on societal issues, openness to multidisciplinary
- Focus on Vulnerability in Health (vulnerable populations: elderly, inherited disorders, metabolic syndrome..)

Contact: Prof. Sophie HUE, MD, PhD: [sophie.hue@aphp.fr](mailto:sophie.hue@aphp.fr)

Prof. Pascale FANEN, MD, PhD: [pascale.fanen@u-pec.fr](mailto:pascale.fanen@u-pec.fr)

Unit Research: IMRB U955 - INSERM

## 3) Important dates

Submissions open: **May 04<sup>th</sup> 2020**

Submissions close: **June 05<sup>th</sup> 2020**

Decisions on acceptance: **July 1<sup>th</sup> 2020**

Start of Ph.D.: **October 1<sup>th</sup> 2020**