

Call for a Doctoral Scholarship in Health & Biology (2023-2026)

1) About LIVE Graduate School

LIVE (Life trajectories and health **Vuln**Erability) 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 coordinated by the UPEC (*Université Paris-Est Créteil*, France) in partnership with both INSERM and the CNRS. **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 program developing cutting-edge research in the field of vulnerability, in one of 4 relevant doctoral schools.

LIVE is built around **3 pillars** with a longstanding reputation for excellence:

- **Health & Biology:** which relies on recognized expertise in the field of age-related cardiac and lung diseases, infectious diseases, psychiatric disorders and rare diseases.
- **Health Economics & Public Health:** which relies on better identification of socio-economic and health-related individual and contextual determinants of vulnerability and health inequalities, health-care trajectories and assessment of health-care intervention (pharmacological or not) through, cohort, panel, clinical trial and medico-administrative data.
- **Health & Environment:** air, water and soil quality, environmental hazards, pollution, contaminants and toxins and their impact on health.

2) LIVE Excellence Scholarship – PhD level

Doctoral grants are allocated by the UPEC (*Université Paris-Est Créteil*) for 3 years from October 2023 to September 2026 for motivated applicants eager to work on **Vulnerability in Health & Biology** with a **transdisciplinary approach**.

Eligibility and Selection Criteria for applying in Health & Biology pillar:

- Master's degree with high skills in Health or Biology.
- Candidate's excellence:
 - ☞ A **research project written in English focuses on Vulnerability in Health and Biology** in a broad sense (vulnerable populations: elderly, inherited disorders, metabolic syndrome, etc.). The research subject proposed must clearly show the relevance within the **LIVE** pillar of candidacy and the transdisciplinary dimension.
 - ☞ Excellent skills in molecular and cellular biology or animal models.
 - ☞ Excellent knowledge in physiopathology (immunology, microbiology, genetics ...)

- ☞ Proficiency in statistics and medical research
- ☞ Ability to take on societal issues, openness to pluridisciplinarity
- ☞ English proficiency for non-native speakers (>800 points for TOEIC test or equivalency in another international test such as Cambridge or TOEFL).
- Feasibility of the research program in 3 years

NB: The thesis supervisor must be affiliated within a research unit or hosting laboratory associated with LIVE programs (listed upon). The International scope of the research subject through a partnership with a foreign institution or laboratory is highly encouraged.

For further information, please contact the heads of the pillar **Health & Biology**:

pascale.fanen@u-pec.fr or sophie.hue@aphp.fr

Research units and hosting laboratories associated:

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|---|----------------------------------|
| ▪ Animal health laboratory (ANSES / ENVA) | ▪ Food safety laboratory (ANSES) |
| ▪ BIOTN (UPEC) | ▪ IMRB (INSERM / UPEC) |
| ▪ CEDITEC (UPEC) | ▪ Lab'URBA (UPEC) |
| ▪ CEPIA (UPEC) | ▪ LEESU (UPEC) |
| ▪ CERTES (UPEC) | ▪ LIRTES (UPEC) |
| ▪ CRRET (CNRS / UPEC) | ▪ LIS (UPEC) |
| ▪ DYNAMYC (UPEC / ENVA) | ▪ LISA (UPEC) |
| ▪ EpiDermE (UPEC) | ▪ MIL (UPEC) |
| ▪ ERUDITE (UPEC) | ▪ URC-eco (UPEC) |

Associated Master programs:

- ☞ **Health & Biology:** Anti-infectious immunity and vaccine; Cellular and tissue gene biotherapy (BTCCG); Biology, Physiopathology, Pharmacology of the Heart and Circulation (Biocoeur); Integrative Biology (Biomics). **Associated Doctoral School:** Life and Health Sciences (SVS – UPEC).
- ☞ **Health Economics & Public Health:** Health Economics; Research in Public Health (in collaboration with the University of Paris-Saclay); Epidemiological surveillance of Human and Animal Diseases (SEMHA). **Associated Doctoral Schools:** Organization, Markets, Institutions (OMI) and Public Health (EDSP) (U. Paris Saclay and UPE).
- ☞ **Health & Environment:** Geography; TES (Toxicology-Environment-Health), AIR-SGE (Environmental Engineering, UPD, UPEC); SGE-SAGE: Aquatic Systems and Water Management; Integrative Biology (Biomics). **Associated Doctoral School:** Science, Engineering and Environment (SIE – UPEC).

All candidates must fill out a formal application, including:

- 📁 Curriculum Vitae
- 📁 Academic transcript (two last years)
- 📁 A Ph.D. project including the following topics: problematic, literature review, Ph.D. originality, relevance within the **LIVE pillar (Health & Biology)** of candidacy and the transdisciplinary dimension; methodology, references (up to 5 pages). The project must

be validated by the supervisor affiliated with a EUR-LIVE research unit or hosting laboratory, before submission. For further information, please contact the heads of the pillar **Health & Biology**.

An email acknowledging receipt of your application will be sent to you. If you do not receive an email that acknowledges receipt of your application, please contact eur-live@u-pec.fr

Since the selection will begin shortly after the deadline for applications, you are encouraged to make any necessary verifications in the week following that date.

Contact & application submissions:

Health and Biology pillar (Unit Research: IMRB U955 - INSERM):

Prof. Sophie HUE, MD, PhD sophie.hue@aphp.fr
Prof. Pascale FANEN, MD, PhD pascale.fanen@u-pec.fr

3) Grant's Calendar

Submissions open:	April 3th, 2023
Deadline for applications:	June 15th, 2023
Decisions on acceptance:	July 2023
Start of Ph.D.:	October 2023

The examination takes place in two steps: a selection based upon application and an interview (only shortlisted candidates). Selected candidates for interview will be notified by e-mail.