2022 Call for Applications

EuReCa
International PhD Program
Europe, Research & Care

Applicant’s Guide

Last updated on January 6th, 2022

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TOGETHER, LET’S BEAT CANCER
EuReCa International PhD Program

Overview

Created in 1909 by Nobel Laureate Marie Curie, Institut Curie brings together a world-class multidisciplinary cancer research center and a model hospital group in Paris and its surroundings.

Institut Curie’s EuReCa international PhD Program provides PhD students with high level interdisciplinary, inter-sectorial, and international training & coaching with dedicated career development plans, secondments and mentoring.

EuReCa PhD fellows will carry out research in a vibrant environment based on the pluri-disciplinary approaches and excellence offered by over 85 research groups comprising Institut Curie’s 13 research departments grouped into 4 domains and a translational department:

- Biology & Chemistry of Radiations, Cell Signaling & Cancer
- Development, Biology, Cancer, Genetics & Epigenetics
- Integrative Tumour Biology, Immunology & Environment
- Multiscale Physics-Biology-Chemistry
- Translational Research

Benefits of completing a EuReCa PhD

- A Personalized Career Development Plan
- Access to technology platforms and equipment for scientific imaging, genomics, proteomics, and bioinformatics
- Presentation of their research work in the annual scientific meeting for young researchers
- Travel grants to attend meetings, summer schools, conferences or courses abroad
- Opportunity to attend every year 300 conferences & seminars in English
- Support and networking with the students and postdocs’ association (Adic)
- Registration at Sorbonne Université, PSL University or Paris-Saclay University and affiliation to a Doctoral school
- Housing at the Cité Internationale Universitaire de Paris (CIUP)
- French courses for free on campus
- A vibrant campus life in Paris & Orsay (catering facilities, sports equipment, a Student Help Desk, social events, …)
- A PhD fellowship of 2100€/month (monthly growth salary)
### List of PhD positions available in 2022

<table>
<thead>
<tr>
<th>Thesis title</th>
<th>Thesis director(s)</th>
<th>Research team</th>
<th>Research dept.</th>
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<tbody>
<tr>
<td><strong>Histone variant H3.3 and cellular programs during development and cancer</strong></td>
<td>Geneviève Almouzni &amp; Iva Simeonova</td>
<td>Chromatin Dynamics</td>
<td>UMR3664 - Nuclear Dynamics</td>
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<tr>
<td><strong>Shaping of biological tissues by topological defects</strong></td>
<td>Carles Blanch-Mercader &amp; Isabelle Bonnet</td>
<td>Physico-Chimie Curie Lab</td>
<td>UMR168 - Physico-Chimie Curie Lab</td>
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<tr>
<td><strong>Impact of transposable element activity on genome stability and organization during meiosis</strong></td>
<td>Deborah Bourc’his</td>
<td>Epigenetics decisions and Reproduction</td>
<td>U934/UMR 3215 Genetics and Developmental Biology</td>
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<td><strong>Evaluation by electronic questionnaires of quality of life and fear of cancer recurrence in the follow-up of patients treated for uveal melanoma, and their relationships with satisfaction with oncolgist-patient communication</strong></td>
<td>Anne Brédart &amp; Sylvie Dolbeaut</td>
<td>Psychopathology and Health Processes Laboratory</td>
<td>Interdisciplinary Department of Oncology Support Care</td>
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<tr>
<td><strong>Control of two antagonist cellular phenotypes with a single molecule</strong></td>
<td>Mathieu Coppey</td>
<td>Light-based Observation and Control of Cellular Organization</td>
<td>UMR168 - Physico-Chimie Curie Lab</td>
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<tr>
<td><strong>The role of mechano-chemical cues in vertebrate axial patterning and somite generation</strong></td>
<td>Karine Guevorkian and Benoit Sorre</td>
<td>Dynamic Control of Signaling and Gene Expression</td>
<td>UMR168 - Physico-Chimie Curie Lab</td>
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<td><strong>Causal inference for live cell imaging and single-cell multi-omics data</strong></td>
<td>Hervé Isambert &amp; Pascal Hersen</td>
<td>Reconstruction, Analysis and Evolution of Biological Networks</td>
<td>UMR168 - Physico-Chimie Curie Lab</td>
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<tr>
<td><strong>Finding a viral needle in a nuclear haystack: molecular mechanism of HIV detection by NONO-cGAS in the nucleus</strong></td>
<td>Xavier Lahaye &amp; Nicolas Manel</td>
<td>Innate Immunity</td>
<td>U932 - Immunity and Cancer</td>
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<tr>
<td><strong>Studying the role of lung resident myeloid cells in the response to radiation</strong></td>
<td>Arturo Londoño-Vallejo &amp; Charles Fouillade</td>
<td>DNA repair, radiations and innovative cancer therapies</td>
<td>UMR 3347/U1021 - Signaling, Radiobiology and Cancer</td>
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<td><strong>Plasma membrane mechanics during the formation of the first mammalian epithelium</strong></td>
<td>Jean-Léon Maitre</td>
<td>Mechanics of mammalian development</td>
<td>U934/UMR3215 – Genetics and Developmental Biology</td>
</tr>
<tr>
<td><strong>Investigating the role of Polycomb in epigenetic regulation and inheritance during mouse germline formation and embryogenesis: study of a new member of the PRC2 complex, EZHIP (Ezh2 Inhibitory Protein) using transgenic model</strong></td>
<td>Raphaël Margueron &amp; Katia Ancelin</td>
<td>Maintenance of Transcriptional Repression by Polycomb Proteins</td>
<td>U934/UMR3215 - Genetics and Developmental Biology</td>
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<tr>
<td><strong>Antitumour therapy targeting the RNA interference pathway</strong></td>
<td>Eliane Piaggio &amp; Enzo Poirier</td>
<td>Translational Immunotherapy and Stem Cell Immunity</td>
<td>U932 – Immunity and Cancer</td>
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<tr>
<td><strong>Role of intracellular pathways exploited by viruses in tumor cell secretion of extracellular vesicles and their immune functions</strong></td>
<td>Clotilde Théry &amp; Lorena Martin-Jaular</td>
<td>Extracellular vesicles, immune responses and cancer</td>
<td>U932 – Immunity and Cancer</td>
</tr>
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Application process

Application

Applicants have to complete an online application form in English when the call is open. Incomplete applications will not be eligible. No application will be accepted after the deadline January 20th, 2022 at 4:00pm CET (GMT +1). Applicants may apply for 1 or 2 thesis project(s) via the online application system. The following documents are required:

- a CV,
- a motivation letter,
- a copy of the high school degree,
- a copy of the university degrees including the Master’s degree or equivalent university degree (translated by the applicant in English) if available,
- a copy of the university grade transcript from the Master’s degree or equivalent university degree (translated by the applicant in English) if available,
- 2 recommendation letters. Referees must have submitted their recommendation letters by the end of the call. We strongly advise applicants to contact their referees as soon as possible so that referees have enough time to upload the recommendation letter online. It is the applicant’s responsibility to ensure that the 2 recommendation letters are uploaded by the referee before the call ends.

Eligibility criteria

- Early-stage researchers (ESR) shall at the call deadline be in the first four years (full-time equivalent research experience) of their research careers and have not been awarded a doctoral degree. Full-time equivalent research experience is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited or seconded, irrespective of whether or not a doctorate is or was ever envisaged.

- Applicants from all countries are eligible. The applicants may not have resided or carried out their main activity (work, studies, etc) in France for more than 12 months in the 3 years immediately before the call deadline. Time spent as part of a procedure for obtaining refugee status under the Geneva Convention, compulsory national service and/or short stays such as holidays are not taken into account.

- Applicants must be in possession of (or be about to obtain) a European master degree or equivalent master’s degree which would formally entitle them to embark on a doctorate.

Apply now at training.institut-curie.org/eureca until January 20th, 2022
### Recruitment process

Due to the Covid-19 crisis, Institut Curie is organizing all recruitment steps remotely. Selected PhD students will be contacted by the Human Resources Department to help organize their arrival according to national sanitary requirements in 2022.

- **Eligibility check**
  
  At the end of the call, applicants will be informed of their eligibility by email. Eligible applicants will go through the 1st selection round.

- **1st selection round**
  
  Selection of 3 to 4 candidates per project by the Review Board.

  A committee composed of scientists from Institut Curie and experts from partner universities and organizations will rank the applications. For each PhD thesis project, applicants will be ranked and either shortlisted, on waiting list, or not selected.

  Shortlisted candidates (3 to 4 per project) will be invited for the 2nd selection round.

- **2nd selection round**
  
  Shortlisted candidates will be invited for an online interview as well as meetings, presentations & live sessions during the 3-days interview session in May 11-13, 2022.

  All shortlisted candidates will be interviewed by the Selection Committee. They will remotely discover the host laboratory, Institut Curie's campus, the Curie museum and Institut Curie's technology platforms.

- **Feedback & redress process**
  
  Within a week after disclosure of the results (eligibility, first & second selection rounds), applicants can appeal the decision by contacting phd.eureca@curie.fr.

### Evaluation criteria

Online applications will be evaluated on 3 main criteria. Board members will evaluate to which extent the application meets the criteria, by using a scale from 0: Fail to 10: Outstanding.

**EDUCATION**
- Academic education
- Academic excellence (incl. prizes, participation in international programmes such as Erasmus)
- Dual degree/diploma

**PROFESSIONAL EXPERIENCE**
- Work/training experience in academia/hospital/the private sector
- Cross domain incl. translational/clinical experience
- International experience

**MOTIVATION/COMMUNICATION**
- Motivation regarding the selected project(s)
- Ability to work in English at an academic level
- Openness and creativity

According to European policy, there is no disadvantage due to career breaks (for example, for family reasons).

### Contact

We encourage you to contact the future supervisor of the project you are applying for.

For questions regarding application, please read the FAQ.
Are you ready to apply?
Check the list!

Eligibility criteria

Candidates must:

- be in the first four years (full-time equivalent research experience) of their research careers and have not been awarded a doctoral degree at the call deadline.

- not have resided or carried out their main activity (work, studies, etc) in France for more than 12 months in the 3 years immediately before the call deadline.

- have (or be about to obtain) a European master degree or equivalent master’s degree which would formally entitle them to embark on a doctorate.

Required documents for online application

- Your CV
- A motivation letter
- A copy of your high school degree
- A copy of your master’s degree or equivalent master’s degree (translated by the applicant into English) if available
- A copy of the university grade transcript from the master’s degree or equivalent master’s degree (translated by the applicant into English) if available
- Two recommendation letters. Referees need to have submitted their recommendation letters by the end of the call for applications. We strongly advise applicants to contact their referees as soon as possible so that the referees have enough time to upload the recommendation letter online. It is the applicant's responsibility to ensure that the two recommendation letters are uploaded by the referee before the end of the call for applications.

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