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# PIERRE-GILLES DE GENNES INTERDISCIPLINARY PHD PROGRAM 2010

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The Foundation Pierre-Gilles de Gennes supports the training of **2** selected non-French students in 2010. This support covers all areas of interdisciplinary research dedicated to Life Sciences within the Foundation laboratory network.

The three-year PhD program (with possible one year extension, including a Pre-PhD program), is open to highly talented and motivated students, irrespective of their original disciplines.

## 1. General information

- 1.1. The candidate will prospect for a host laboratory within the FPGG network (the list of research units of the Foundation is listed in annex).
- 1.2. The proposed thesis supervisor of the host laboratory will submit the application file for consideration.
- 1.3. Admission is normally reserved for students holding a university degree corresponding to a Master degree in EU or equivalent. However, applications from excellent candidates may also be considered for a preliminary one year Pre-PhD program.
- 1.4. After selection, the recipient PhD students will be registered to an “Ecole Doctorale” co-accredited to the participating institutions.

## 2. Application file: 12 pages maximum

The application is submitted to the Director of the Foundation by the proposed thesis supervisor who should check for its trueness and completeness. The file is submitted in agreement with the Unit Director.

The format of submission is a **unique pdf file** with following label allowing better identification of the candidate application: *firstname\_surname\_pggphd10.pdf*.

### The applicant should provide:

A1: a detailed CV, including a summary table with yearly academic results<sup>1</sup> since the beginning of Higher Education studies

A2: a letter of motivation for the thesis subject and the host laboratory (one page)

### The Proposed Thesis Supervisor should provide:

T1: a synopsis of the thesis project, including background with the relevant publications and patents from the past 5 years (one page).

T2: an explanatory acceptance letter, including mention of the type of interview conducted (meeting, phone, other...)

T3: Description of the team

- name of the team leader and proposed thesis supervisor; laboratory (including name of the head, if different from the team leader); institution
- Accreditation of the proposed thesis supervisor to supervise students (typically the “Habilitation à diriger des recherches”).
- complete information on the “Ecole Doctorale” to which his/her team is affiliated
  - name, number, and director
  - name of the EAD<sup>2</sup> head, if different from the team leader
- complete list of team members including their status: students (1st year, 2nd year, 3rd or 4th year), post-docs, permanent scientists

R1: at least 2 letters of recommendation from teachers or researchers, commenting on the academic abilities (including laboratory experience) of the candidate and sent to the proposed thesis supervisor.

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<sup>1</sup> the summary table should clearly mention, for each academic year: (i) the Higher Education institution of registration (use two different lines in case of parallel studies in two different institutions); (ii) the subject (major or minor); (iii) the ranking (among how many students) and/or honors. Please include information (1 page maximum) on the marking system (ranking/honors) for applicants from outside EU or US.

NB: successful candidates will be asked, upon selection, to provide proofs of their academic results for all years since the beginning of their studies, certified by an authorized university representative

<sup>2</sup> EAD: “Equipe d’Accueil de Doctorants”

### 3. Deadline for application

Applications should be sent by mail to [copil@fondation-pgg.org](mailto:copil@fondation-pgg.org). Deadline is **June 18**.

### 4. Selection

The Steering Committee of the Foundation will select the candidates, based upon their previous academic achievements and the scientific potential of both the candidate and the host laboratory. The results will be available on the Foundation website by end of August.

### 5. Thesis contract

Duration: 3 years (4 years on due exception); starting period: Autumn 2010

Monthly salary: 1,800€ (PhD) or 1,200€ (Pre-PhD)

Throughout the training, the PhD student will be supervised by the thesis director. Each student will also be assigned 2 tutors by the program committee.

The PhD student will be registered at the "Ecole Doctorale" to which his/her laboratory is affiliated. He/She will follow the courses offered by the "Ecole Doctorale" and the PGG PhD program.

At the end of the training, the PhD student will defend his/her thesis at the French university where he/she is registered.

## 5. Annex 1 : List of the Foundation research Units<sup>3</sup>

Label	Name
UMR8549	<a href="#">ENS theoretical physics laboratory</a>
UMR8550	<a href="#">ENS statistical physics laboratory</a>
UMR8551	<a href="#">Pierre Aigrain Laboratory (LPA)</a>
UMR8552	<a href="#">Kastler Brossel Laboratory (LKB)</a>
UMR8640	<a href="#">Selective activation processes for unielectronic or radiative energy transfer</a>
UMR8642	<a href="#">Biomolecules: synthesis, structure and mode of action</a>
UMR8541	<a href="#">Regulation of Genetic Expression</a>
UMR8542	<a href="#">Development and Evolution of the Nervous System</a>
UMR8544	<a href="#">Neurobiology</a>
UMR8186	<a href="#">Plant biology unit</a>
UMR7618	<a href="#">BIOEMCO</a>
UMR7625	<a href="#">Mathematical eco-evolution</a>
UMR7587	<a href="#">Waves and Acoustics Laboratory (LOA)</a>
UMR7195	<a href="#">Environmental and Analytical Chemistry</a>
UMR7084	<a href="#">Organic Chemistry</a>
UMR7083	<a href="#">GULLIVER</a>
UMR7637	<a href="#">Neurobiology and Cellular Diversity</a>
UMR7636	<a href="#">Hydrodynamics and Mechanics</a>
UPR5	<a href="#">LPEM Laboratory</a>
UMR7615	<a href="#">Physico-Chemistry of Polymers and Dispersed Media (PPMD)</a>
UMR144	<a href="#">Subcellular structure and cellular dynamics</a>
UMR168	<a href="#">Physical chemistry Curie</a>
UMR176	<a href="#">Conception, synthesis and targeting of biomolecules.</a>
UMR146	<a href="#">Cellular regulations and oncogenesis</a>
UMR2027	<a href="#">Genotoxicology and cell cycle</a>
UMR218	<a href="#">Nuclear dynamics and genome plasticity</a>
UMR3244	<a href="#">Dynamics of genetic information : fundamental basis and cancer</a>
UPR9080	<a href="#">Laboratory of Theoretical Biochemistry (LBT)</a>

<sup>3</sup> By clicking on the unit name the website will be open in the browser.

Label	Name
UPR9073	<a href="#">TRANSLATIONAL CONTROL OF GENE EXPRESSION AND RIBOSOME BIOSYNTHESIS IN GRAM NEGATIVE BACTERIA</a>
UMR7099	<a href="#">Molecular Physics and Chemistry of Biological Membranes (LBPCPM)</a>
UPR1929	<a href="#">Cell Biology and Molecular secretion Laboratory</a>
UMR7141	<a href="#">Membrane and molecular physiology of chloroplast</a>
U784	<a href="#">Molecular genetics of development</a>
U789	<a href="#">Synapse Cellular Biology</a>
U830	<a href="#">Genetics and Biology of Cancers</a>
U932	<a href="#">Immunity and cancer</a>
U612	<a href="#">Genotoxicology, signalisation and experimental radiotherapy</a>
U759	<a href="#">Integrative Imaging: From Molecule To Organism</a>
UMR8158	<a href="#">DEC - HEARING Group</a>
UMR3215 U934	<a href="#">Developmental Biology and Genetics</a>
Curie	<a href="#">Translational research</a>
U900	<a href="#">Bioinformatics, biostatistics, epidemiology and computational systems biology of cancer</a>
Curie	<a href="#">CURIE Hospital</a>