International PhD Program in Neuroscience
Call for applications 2018
International PhD Program in Neuroscience

Call for applications

- Molecular and cellular neuroscience
- Circuits and systems neuroscience
- Behaviour and cognition
- Neurological and mental disorders
- Neurophotonics and brain imaging

Application deadline: 31st July 2018

Program starting date: Fall 2018

Information and application: www.bordeaux-neurocampus.fr

Contact: neurocampus.graduateprogram@u-bordeaux.fr
CALL FOR PhD APPLICATIONS 2018
Bordeaux Neurocampus international PhD Program

Overview

The international PhD program in Neuroscience is part of the Bordeaux Neurocampus Graduate Program, supported by the University of Bordeaux Research Graduate School. The Bordeaux Neurocampus Graduate Program includes a Master of Science (MSc) and a Doctoral Program (PhD) open to students from all disciplines with strong interest in neuroscience.

The PhD program takes place within the research laboratories of the dynamic and international neuroscience community of Bordeaux Neurocampus which addresses a wide range of topics related to the complexity of brain function and diseases. The teams and partners have diverse as well as complementary expertise, that includes: biology of neural cells and synapses, animal and human behavior, physiology of neural networks, mechanisms of neurodegenerative and mental disorders. Multidisciplinary technological approaches and multiscale analyses are employed, at the molecular, cellular, systemic, behavioral, and clinical levels. This makes the campus ideally suited to make significant advances in our understanding of the mechanisms underlying the physiological and pathological brain.

Neuroscience research at the University of Bordeaux has become over the past 10 year one of the most productive communities across France and Europe. Bordeaux Neurocampus of the University of Bordeaux includes expert neuroscience laboratories affiliated with CNRS, Inserm, INRA, INRIA and CEA.

Bordeaux Neurocampus International PhD Program

Selected as a French Initiative of Excellence, the International PhD program in Neuroscience of Bordeaux Neurocampus focuses on knowledge and innovation in basic and translational neuroscience. It provides cross-disciplinary training through 3 years of full-time work, carried out in the international environment of Bordeaux Neurocampus laboratories.

PhD students benefit from a variety of educational programs, ambitious training initiatives, international conferences and top quality research facilities.

The International PhD training offer includes:

- Research projects in Bordeaux Neurocampus laboratories
- 100 hours of additional courses, with a balance between disciplinary (Neuroscience) and complementary training, such as language and communication skills, training to teaching, knowledge of the socio-economic environment, employability and career development…
- Monthly PhD seminar series currently organized by PhD students
- Hands-on training workshops at the Bordeaux School of Neuroscience as a trainee or instructor

All courses are delivered in English.
The PhD program in Neuroscience prepares students for different career opportunities (research, teaching, project management, scientific mediation, etc.) in the academic as well as the private sector.

At the end of the international PhD program in Neuroscience, graduates will have:
- A comprehensive understanding of scientific methods and techniques applicable to Neuroscience;
- Self-direction and originality in tackling and solving problems;
- The ability to communicate and collaborate with experts from other disciplines relevant to Neuroscience.

For the year 2018, the International PhD program in Neuroscience offers 6 fully-funded full-time PhD positions.

**Candidate Profile and application requirements**

The international PhD program in Neuroscience is open to Master students from all nationality and fields relevant to Neuroscience. The PhD student is expected to:

- Hold a Master degree* or equivalent diploma in a relevant discipline (biology, biochemistry, biomedical sciences, medical studies, pharmacy, cognitive sciences or psychology with a strong interest in Neuroscience). Candidates with a Master’s degree in another subject (chemistry, physics, maths, engineering, computer science) must provide documented interest in the field of Neuroscience.

- Prove an excellent academic and scientific level

- Demonstrate previous experience in a research laboratory

- Have an adequate level of English to follow and participate in courses, projects, seminars, workshops, etc.

*Applicants are expected to hold their Master diploma for the registration step at the very latest.*
Admission process

Admission to the PhD program involves 4 steps:

1/ **Online application** (pre-selection): personal and academic details, documents to be provided and 3 preferred PhD research projects among [the list of PhD research projects]**

2/ **Personal interview** (selection) (in person at Bordeaux Neurocampus if possible or via skype): 30 minutes to present academic background, research experience, motivation and arguments justifying the 3 preferred PhD research projects **

3/ **Discussion and final validation with the PhD supervisor** (the applicant is invited to directly contact and organize meetings with the PhD supervisors of its preferred PhD research projects during his stay for interviews).

4/ **Registration** at the Life and Health Science Doctoral School of the University of Bordeaux

**The list of available PhD research projects may be updated within the interview session and the applicants may be asked at this time to select 3 preferred PhD research projects in 3 different teams of the Bordeaux Neurocampus laboratories.

Calendar

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Online application deadline</td>
<td>31/07/2018</td>
</tr>
<tr>
<td>Pre-selection by the selection committee</td>
<td>September 2018</td>
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<tr>
<td>Personal interviews and selection (in person at Bordeaux or via skype)</td>
<td>3 to 5/10/2018</td>
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<tr>
<td>Meet and validation with the PhD supervisor</td>
<td>3 to 5/10/2018</td>
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<tr>
<td>Final notification by the selection committee</td>
<td>October 2018</td>
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<tr>
<td>Registration and Start</td>
<td>Fall 2018 (Deadline 03/12/2018)</td>
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Salary / Tuition Fees

- In 2018, the PhD program offers 6 fully-funded full-time PhD positions on a fixed-term 3 year contract

- Mobility grants are available upon application: successful applicants will also be able to apply for international mobility stipends, as well as for teaching activities for additional remuneration

- Annual university registration fees: approximatively 400 €

*Successful applicants will be expected to register at the University of Bordeaux. PhD students of the program are enrolled in the Life and Health Science Doctoral School of the University.*
How to apply

Applications must be submitted online before July 31st 2018.

The application must include the following documents:

<table>
<thead>
<tr>
<th>Documents</th>
<th>Size</th>
<th>Must include / comments</th>
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</thead>
<tbody>
<tr>
<td>Online application</td>
<td></td>
<td>Personal and academic details, laboratory experience, a list of 3 preferred PhD research projects (among the list of PhD Research Projects**) and required documents (first separately and then merged in one unique pdf file)</td>
</tr>
<tr>
<td>CV</td>
<td>1-2 pages</td>
<td>Curriculum Vitae incl. photo, University education, professional experience, main scientific achievements and research experience, etc.</td>
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<tr>
<td>Passport</td>
<td></td>
<td>Copy of original passport</td>
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<tr>
<td>Cover Letter</td>
<td>Max 500 words</td>
<td>Motivations, skills, experience, knowledge, preferred PhD research project(s), etc.</td>
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<tr>
<td>Reference Letters</td>
<td>1 page</td>
<td>2 signed reference letters with name, position, address and email of the signing person</td>
</tr>
<tr>
<td>Master Diploma</td>
<td></td>
<td>Copy of official Master transcript * (or equivalent Diploma) including marks, honours and ranking</td>
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<td>* In case diploma is not available yet, please provide a registration attestation from University; however, applicants are expected to hold and provide the copy of their Master diploma for the registration step at the very latest</td>
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<td></td>
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<td>* If official transcript is not available in English or French, please provide official English translation or official attestation from the University</td>
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<tr>
<td>English Test</td>
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<td>Proof of adequate level in English for non English natives, such as TOEFL or IELTS or TOEIC or proof of CEFR level in English (<a href="http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr">http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr</a>)</td>
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<tr>
<td>Publications (if applicable)</td>
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<td>Previous scientific publications, communications, and/or posters, if applicable</td>
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<tr>
<td>GRE test (if available)</td>
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<td>Graduate Record Examination scores, if available</td>
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<tr>
<td>One unique merged pdf document</td>
<td></td>
<td>Including all the previous documents merged in one unique pdf document</td>
</tr>
</tbody>
</table>
Please note:

- All submitted information and documents must be:
  - In PDF format
  - In English or in French
  - Entitled such as “lastname_firstname_documentsname”
  - Provided separated and also merged in one unique PDF file

- Applicants are expected to hold and provide the copy of their Master diploma for the registration step (at the University of Bordeaux) at the very latest

- The list of available PhD research projects may be updated within the interview session and the applicant may be asked to select 3 preferred PhD research projects in 3 different teams of the Bordeaux Neurocampus laboratories.

- Ineligible or incomplete applications will not be transmitted to the pre-selection committee

- If you need assistance, please contact us before July 20th at neuroscience.graduateprogram@u-bordeaux.fr

Selection

Admission is highly competitive and focuses on the excellence of the candidates.

Pre-selection is based on:
- The quality of the academic background (cursus, specialities, transcripts of Master degree, grades, ranking, language capacities, etc.)
- The research experience and the technical skills
- The motivation (Neuroscience, Research, Bordeaux…)
- The quality of the reference letters

Final selection is based on:
- The quality of the academic background (cursus, specialities, language, etc.)
- The research experience and the technical skills
- The motivation and the justification of the 3 chosen PhD research projects
L'Initiative d'excellence de l'université de Bordeaux est portée par l'université de Bordeaux en partenariat avec :

Les organisations suivantes contribuent au programme : CEA, CHU, IFREMER, INRA, INRIA, IRSTEA.

**Participant au financement des projets**

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**CONTACT**

Neurocampus.graduateprogram@u-bordeaux.fr