

## **Call for Projects 2008**

# **“Chair of Excellence in Functional Neuro-Imaging”**

**Deadline for project submission:  
May/17/2008**

**Practical information:**

Deadline for project submission in PDF format: midnight,  
May/17/2008, address:

[contact@fondation-neurodis.org](mailto:contact@fondation-neurodis.org)

Deadline for project submission on paper: May/22/2008  
(postmark), 5 copies, address:

Fondation Neurodis  
Inserm Bâtiment 452B  
Centre Hospitalier Le Vinatier  
95, Boulevard Pinel  
F-69675 Bron cedex

The selected candidates for interviews will be informed on:  
May/30/2008

Interviews will be held, by mutually agreed appointment, as of  
June/9/2008

**Contact:**

- ♣ for further technical or scientific information:  
[mauguier@univ-lyon1.fr](mailto:mauguier@univ-lyon1.fr)
- ♣ for further administrative or financial information:  
[claire.rigaud-bully@fondation-neurodis.org](mailto:claire.rigaud-bully@fondation-neurodis.org)

## Context

The Neurodis Foundation was set up on August 3<sup>rd</sup>, 2007 by the French Higher Education and Research Ministry and the French Health Ministry to finance research projects in Neuroscience applied to the development of innovative diagnostic and treatment methods for neurological and psychiatric disorders.

The Foundation is part of a network of neuroscience research institutes and laboratories and university hospital neurology departments in the Rhône-Alpes and Auvergne Regions of France. Information on the research teams and hospital departments involved in the Foundation and on the research priorities laid down by the Neurodis Pilot Committee is available at: <http://www.fondation-neurodis.org>

## Field and topic of the Call for Projects

As part of its mission, in 2008 the Neurodis Foundation is financing a 5-year Chair of Excellence in **Functional Neuro-Imaging**, recruited by Call for Projects.

The successful applicant's mission will be:

1. To set up and manage a team composed of a technician, a post-doctoral and a doctoral students conducting a scientific project in functional neuro- imaging, making use of the technical means available on the site: positron emission tomography (PET), magnetic resonance imaging (MRI), magneto-encephalography (MEG) and high-density electroencephalography (EEG); a non-human primate MRI facility is to become available during the contract period.
2. To carry out functional neuro-imaging research projects based on developing innovative methods in the fields of biomarkers, physiopathological mechanisms, data acquisition and/or processing, with clinical validation in one or more of the Neurodis priority pathologies (Epilepsy, Pain Epilepsy, Parkinson's disease & movement disorders, Myelinopathies).
3. To establish high-level methodological expertise in image processing in support of the team's specific projects and transferable to other Neurodis teams' projects, concerning either the above-mentioned (see 2) priority pathologies or other pathologies for which Neurodis is seeking to develop expertise: i.e., Alzheimer's disease and schizophrenia.
4. To contribute to research training for junior team members: supervising neuroscience research Masters and Ph.D. students.

5. To manage a scientific network in its field of competency, involving the neuro-imaging researchers and engineers of the various Neurodis sites in Lyon, Grenoble, St Étienne and Clermont-Ferrand.
6. To develop Neurodis's international relations with other, and particularly European, clusters.

## Means available

To carry out his/her research project, the successful applicant will dispose of:

1. Premises on the Lyon Neuro-Campus, where the above-mentioned facilities exist at CERMEP (Positron Emission Exploration and Medical Research Center), in the medical and scientific environment of the East-Lyon Hospital complex, including a neurology and pediatrics teaching hospital, a psychiatric hospital and research labs working in the field of functional neuro-imaging.
2. Access to CERMEP's neuro-imaging equipment and to platforms on the Grenoble, St Étienne and Clermont-Ferrand sites.
3. Networking with research teams and clinical departments affiliated to Neurodis.
4. A €1.16m budget over 5 years, including:
  - the chair-holder's gross salary of €90,000 p.a. over 5 years;
  - team members' salaries: i.e., €82,000 gross p.a. over 5 years;
  - a €150,000 (inc. tax) operating and equipment budget p.a. for the first 2 years of the contract (i.e., €300,000 in all).

## Application criteria

Applicants should meet the following criteria:

- ♣ University professorship or research direction level.
- ♣ Internationally recognized competence in neuro-imaging applied to the diagnosis or physiopathological mechanisms of one or more of the priority neurological disorders of the Neurodis program.
- ♣ Experience in team management, administration and piloting of research contracts with national or international research bodies or commercial partners.
- ♣ Experience in Ph.D. teaching and supervision.
- ♣ Fluent English; knowledge of French useful but not mandatory.

## Application procedure

The application is to be written in English, comprising:

- ♣ Personal details: surname, first name(s), date of birth, nationality, family situation, work address, telephone number and e-mail address.
- ♣ A resume, meeting the application criteria.
- ♣ A list of scientific publications, research contracts, patents, etc. for the period 2001-2007.
- ♣ A scientific project presented in no more than 5,000 words, describing:
  - the present state of knowledge;
  - the scientific objectives;
  - the research methodology, including input sought from other Neurodis teams and networking with outside research teams;
  - the performance schedule over 5 years, with expected results;
  - a provisional 5-year operating budget, including staff and equipment, taking account of the above-mentioned contribution from Neurodis and the applicant's personal contribution in the form of research contracts.
- ♣ A Masters and Ph.D. teaching project.

Applications failing to meet these criteria or lacking elements of this application procedure will not be examined.

## Project examination and assessment

Applications will be examined by a committee of experts both from and outside of Neurodis. Applicants short-listed after examination of application files will be asked to present their project *viva voce* to the Neurodis scientific pilot committee.

Project performance will undergo annual scientific audit by the Neurodis Scientific Council, comprising 6 outside experts.

## Schedule

April/14/2008: Call for the Chair of Excellence posted on Neurodis website

May/17/2008: e-mail application submission deadline

May/22/2008: postal application submission deadline

May/30/2008: information to the selected candidates for interviews

June/9/2008: start of interviews