



CALL FOR APPLICATIONS

1st PARIS BioTeam ® Post Doctorant Research Prize

Open for applications until April 30, 2005

www.bioteam-parisregion.org

**This prize to promote Paris Region – North American Scientific cooperation in Imaging Neuroscience
“Structure and Function in the human brain”**

Applications are invited for a **post doctorant research prize of 50,000 euros (67,000 USD)**

The prize granted by BioTeam® Paris Region will allow the winner to work in a major French research laboratory dedicated to ICM – Institute for Cerebral and Medullary disorders.

Successful candidate will be notified before the ceremony, which will be celebrated during **Eurobiotech** event, **in Paris in June 2005.**

The Paris BioTeam® Post Graduate Research Prize is opened to researchers from North-American laboratories only.



Partners

Institute for Cerebral and Medullary disorders – ICM - www.icm-institute.org

The Institute for Cerebral and Medullary disorders (ICM) is an international organization dedicated to the research, treatment and prevention of nervous system diseases.

Located at the heart of the Pitié-Salpêtrière Hospital in Paris, ICM is to be an international centre for research and treatment, where patients with diseases or injuries of the nervous system can benefit from the most recent discoveries.

ICM Coordinators :

- *Professor Yves Agid*, neurologist.
- *Professor Olivier Lyon-Caen*, neurologist.
- *Professor Gérard Saillant*, orthopedist.

BioTeam® Paris Region

BioTeam® Paris Region is a network of core competencies in Life Sciences within the Paris Region.

It brings together biotechnology companies, pharmaceutical companies, academic organizations, hospitals, research centres, incubators, financial resources, services and government agencies in order to provide biotech companies with the most favourable environment for growth and development.

BioTeam® Paris Region supports the creation, development and synergy of biotech companies in the Paris Region, welcomes and supports bio-entrepreneurs from all countries and coordinates international promotion of the regional bio-cluster.

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BioTeam® Paris Region Contact

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Judged by an independent Committee

Applications will be judged by an independent franco-american committee, which is composed of renowned Life Sciences experts.

- **Professor Agid**, PhD, Neurologist, ICM co-founder
- **Yvan Chemama**, PhD, Head of Research & Innovation Department, Ile-de-France Regional Council
- Scientific researchers from the ICM new imaging laboratory, headed by **Pr Richard Frackowiak**, PhD
- **Bernard Gilly**, PhD, Partner, Sofinnova Partners
- **Roger Longman**, Managing Partner & Editor, Windhover
- **Joe McCracken**, Vice President of Business and Commercial Development, Genentech
- **Anne Pezet**, PhD, Editor, L'Usine Nouvelle Magazine
- **Paul Smaglick**, Chief Editor, Nature Jobs
- **Patrick Tricoli**, PhD, MBA, Director of Corporate Promotion of Innovation, Sanofi-Aventis
- **Guy Veyard**, Managing Director, Inward investments Dpt. Ile-de-France Economic Development Agency
- **Jacques Warcoin**, Partner, MEng, IP Consulting, Cabinet Regimbeau

How to Apply

Applications **in triplicate** accompanied by a covered letter stating area of interest and expertise, a CV and bibliography should be sent to the following address **before the 04/30/2005**.

**Paris Ile-de-France - Agence Régionale de Développement
Frédéric Faivre**

Senior Project Manager - Sciences de la Vie
3, rue des Saussaies
75008 Paris, France

Email : prixbioteam@bioteam-parisregion.org



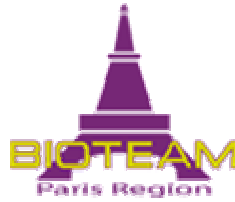
Eligibility criteria

Required background and candidate profile

- The research topic should be related to the "**STRUCTURE AND FUNCTION IN THE HUMAN BRAIN**". Excellence and methodological feasibility will be key factors the jury will take into account when designating the laureate.
- The prize winner needs to:
 - Possess a medical or a science PhD in the neurosciences and in a renowned north American laboratory.
 - Be ready and committed to a first-class research career.
 - Provide his/hers main achievements and the list of his/hers publications.
 - Be recommended by his/her PhD director.
- Good clinical skills in neurology, neurosurgery or neuropsychology may also be an advantage but the primary criterion for the attribution of the prize **will be outstanding research abilities**.
- An interest in methodological and experimental research initiatives that combine 'imaging' techniques will also be an advantage.
- The laureate will show evidence of academic excellence, enthusiasm, self-organisation and the capacity to be self-generating.
- The laureate must be able to start his post doctorate before the end of 2005

Laboratory resources

- **Location and work environment:**
 - Applicants are invited for a research post doctorant at the "Structure and function in the human brain" laboratory for imaging neuroscience at the new imaging laboratory.
 - The successful candidate will work with Pr. Stephane Lehericy, Pr. Richard Frackowiak and their colleagues at the Salpêtrière Hospital and the Ecole Normale Supérieure, in Paris.
- **Equipment:**
 - The laboratory associated with LENA (Prof Renault & Dr Garnerio) which possesses a MEG machine will be, at that time, equipped with :
 - a new modern **PET scan**.
 - a 3 Tesla MRI machine dedicated to research.



- new data analysis facilities and associated expertise.
 - ancillary equipment for stimulation and recording from patients and subjects and physics support.
- There is access to transcranial magnetic stimulation on site (Dr Katz).
- **Closeness with patients:**
 - The access to clinical equipment is unparalleled with both acute and chronic neurological patients, patients with psychiatric and cognitive complications of neurology and patients with brain injury (IFR 70 – Prof Agid).
 - There will be opportunities to see patients on the neurological and other wards and for attendance at staff meetings and seminars organised on site at the Salpêtrière. There is an active neurosurgery programme that includes deep brain stimulation for Parkinson's and other diseases.
- **Immediate collaborations:**
 - The laboratory will be collaborative, functioning as a methodological platform. Scientists from a number of units in Paris Region, particularly from the Université Pierre et Marie Curie and CEA will use the facility, so there will be plenty of opportunities to interact scientifically with expertise from all areas of neuroscience and cognition.
 - The Salpêtrière site also contains strong methodological groups that are intimately implicated in the imaging platform giving the necessary support and new analytical developments for advanced imaging experiments (Dr Benali).
 - Finally, there will also be opportunities to visit and interact with colleagues at the Functional Imaging Laboratory at University College London.
- **Other collaborations:**
 - The laureate will work closely with a group whose main interests are motor behaviour and physiology, cognition of action, structural change as a biomarker in genetic and neurodegenerative disease, stroke and stroke recovery, perception and sensory plasticity and fibre tracking, amongst other areas.
 - This major group, funded by INSERM, will carry out research at the platform based in the Ecole Normale Supérieure, rue d'Ulm. It comprises Drs Koechlin, Grezes, Giraud, Frackowiak and Guigon, all of whom have expertise in imaging and a profound knowledge of experimental design and data analysis techniques including SPM. The group has expertise in BOLD fMRI, water diffusion MR imaging and computerised morphometric techniques (VBM).
 - The group also contains modelling expertise and there is access to departments at the Ecole Normale of physics computing and mathematics that provide further opportunities for theoretical work and hypothesis generation in preparation for empirical studies with imaging.



Finally, the whole project will be evaluated. This evaluation by the selection committee will be published during the next prize-giving.

BioTeam will be cited in every publication linked to the activities of the post-doctorant winner during his/hers activities at the Salpêtrière Hospital.

Collaboration charter:

Both the laureate and the laboratory will sign a collaboration charter. This charter will specify:

- The collaboration duration
- Social status of the laureate, his/her rights and claims
- His/Her earnings
- The administration of his/her earnings
- His/Her (and eventually his/her family) social insurance
- Coming-with measures during the stay
- Housing, creation of an account in a bank, French courses
- Cultural activities...

Nominations

Final decisions will be sent in April 2005.

The laureate will be invited to the award ceremony, which will be celebrated during the **Eurobiotech** event, **in Paris in June 2005**.

For any further information about the PARIS BioTeam® Post Graduate Research Prize, please contact:

BioTeam® Paris Region

Email : prixbioteam@bioteam-parisregion.org