



**UNIVERSITÉ PARIS DESCARTES
OFFERS POSTDOCTORAL POSITIONS
ON THE FOLLOWING THEMES**

- 1/ **Cortical morphology in mental disorders: a brain structural approach of neuroplasticity from development to aging.** The development of advanced neuroimaging techniques provides new tools to explore the underpinnings of complex disorders such as mental disorders and cognitive disabilities. We propose to foster this domain by promoting a position for a junior scientist with specific **skills in brain morphology analysis** in interaction with dedicated platforms, clinical departments and research units involved in the development of cutting edge technologies in animal and human brain imaging. Contact: c.oppenheim@ch-sainte-anne.fr

- 2/ **New bioactive compounds: mechanisms, concepts and synthesis.** The Drug, Toxicology, Chemistry and Environment Institute (IMTCE) is a multidisciplinary research institute. A position will be opened in the field of the synthesis of novel bioactive compounds. Research will be conducted in either of the two chemistry labs of the institute (<http://www.biomedicale.univ-paris5.fr/umr8601/> and <http://www.ssmip.cnrs.fr/>). Candidates should have a solid expertise in organic synthesis with knowledge at chemistry-biology interface. Contact: frederic.dardel@parisdescartes.fr

- 3/ **Sparse Statistical Analysis for high Throughput Cancer data.** The analysis step for studying gene expression and translation usually relies on data sets with a large number of covariates in a limited number of individuals, hence requiring the development of optimal strategies and adapted algorithms. To address specific issues linking microarray data and survival, we wish to recruit a candidate having a **strong statistical background**. Applications are encouraged from candidates having **previous experience** or **strong interest for close interactions with biologists, epidemiologists and clinicians**. Contact: gregory.nuel@mi.parisdescartes.fr (<http://www.mi.parisdescartes.fr/~nuel/>)

- 4/ **International migrations in Sub-Saharan Africa** The Centre on population and development (CEPED) has a long-standing collaboration with the Ministry of Justice in Senegal and secured access to large anonymized data bases, allowing in-depth analyses on the socio-demographic determinants of international migrations in and out of Senegal. Applications are encouraged from candidates **having an excellent command of statistical and geographical methodologies, with a solid background in demography or quantitative sociology**. Research experience on international migrations is crucial. Contact: yves.charbit@ceped.org

Positions are for two years. Salary is competitive and includes health insurance and complete social coverage. Travelling fees will be reimbursed.

Requirements: The candidates must have a PhD in a relevant discipline with an excellent past record of achievement and **less than 4 years** of post-doctoral experience. Candidates **graduated from Paris Descartes or working in Paris Descartes laboratories are not eligible**.

Applications: Candidates interested in any one of these themes must first contact the researcher mentioned as contact person for the position, in view of redefining their scientific project. Subsequently, a CV, a cover letter explaining one's motivation to apply for this position, and two letters of recommendation should be addressed **before 4 June 2010** to: marie-claude.labastie@parisdescartes.fr