ESPCI PARIS

Brain Plasticity Unit postdoctoral fellow

https://www.espci.psl.eu/fr/espci-paris-psl/emploi/archives/2017/brain-plasticity-unit-postdoctoral-fellow

Poste pourvu

Contexte :

ESPCI Paris is a major institution of higher education (a French "Grande École d'ingénieurs"), an internationally renowned research center, and a fertile ground of innovation for industry. Founded by the City of Paris in 1882, for over a century the School has attracted leading scientific innovators like Nobel Prize laureates Pierre and Marie Curie, Paul Langevin, Frédéric Joliot-Curie, Pierre-Gilles de Gennes, and Georges Charpak, who continue to contribute to the institution's international reputation. We offer for this job an internationally competitive salary based on experience in research and merits.

Research team :

The Brain-Computer Interface team of the CNRS Brain Plasticity Unit will host this post-doctoral project

Research project :

The team is recruiting a postodoctoral fellow to work on the design of a cognitive brain computer interface measuring the neural correlates of mind wandering in EEG signals. Research will target electrophysiological correlates of boring tasks. The researcher will design an EEG cognitive BCI detecting mind wandering in real time.

Required skills :

Applicants must have a PhD when hired, and a strong background in computational neurosciences, with Matlab skills in signal processing for complex time series and machine learning. Familiarity with in any of the following elements would be a plus : neurocognition of attention and mind wandering mechanisms, mechanisms (cognitive psychology), neuroengineering (especially brain-computer interfaces and neruofeedback), and human EEG experimentation, proficient English language.

Hierarchy :

The recruited candidate will be placed under the supervision of Associate Prof. François Vialatte within the Brain-Computer Interface team.

Dates :

18 month contract (1 year contract, renewed for 6 monthes). Starting date before September 2017.

Contact

Send your CV and recommandation letters to francois.vialatte@espci.fr Brain-Computer Interface team of the CNRS Brain Plasticity Unit in ESPCI paris (UMR CNRS 8249) Phone : +33.1.40.79.52.01 Candidatures (lettre de motivation et CV) à transmettre par courrier électronique.

Accès

Métro ligne 7 (Place Monge/Censier Daubenton) RER B (Luxembourg) Bus 21, 27 & 47 3 stations Vélib proches

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