

Job title	Post doc in Cognitive and Behavioral Neuroscience
Ref	2018-02-UB17019
Job type (PhD, Post-doc, Engineer)	Post doc
Contract duration (months)	2 years (1 year + 1 year renewable)
Qualifications (Master degree, PhD...)	PhD
Job hours (full time/ part time)	Full time
Employer	UBFC – Université de Franche-Comté
Host Laboratory	UMR1093 INSERM CAPS – Cognition, Action and Sensorimotor Plasticity
URL Host Laboratory	http://u1093.u-bourgogne.fr/en/
Address Host Laboratory	UFR STAPS, Campus Universitaire, Université de Bourgogne City : Dijon (France)
Job description	<p>The ambition of this fundamental research proposal is to investigate the underlying neural processes of mental practice, suggesting adaptive models of motor imagery, by means of complementary techniques. The findings from this project will open new perspectives in optimizing the benefits of mental practice during motor learning and motor recovery.</p> <p>The CAPS laboratory offers a stimulating research environment and excellent opportunities for interactions and training in cognitive neuroscience and neurophysiology. Postdoctoral position to study neural plasticity and mental actions is available immediately.</p> <p>The ambition of this fundamental research proposal is to investigate the underlying neural processes of mental practice, suggesting adaptive models of motor imagery, by means of complementary techniques. The findings from this project will open new perspectives</p>

	<p>in optimizing the benefits of mental practice during motor learning and motor recovery.</p> <p>While previous researches only focused on brain plasticity following mental practice, the originality of this research is driven by a neural model of motor adaptation that integrates all stages of the central nervous system (cortical, corticospinal and spinal). The global view of the neural system by means of unique and complementary techniques will therefore highlight the benefits induced by mental practice.</p>
Supervisor(s)	LEBON Florent florent.lebon@u-bourgogne.fr
Candidate profile	<p>Preference will be given to candidates with strong quantitative background with experience in the analysis of neurophysiological markers using techniques such as electromyography, transcranial magnetic stimulation and peripheral nerve stimulation. Proficient knowledge of the English and/or French language is required and experience with matlab programming and kinematic analysis is favorable.</p> <p>Within the postdoc duration, the candidate will be demanded to apply for a permanent research position at INSERM.</p>
Keywords	mental practice, neural plasticity, cognitive neuroscience, neurophysiology
Job interview	September 2018
Anticipated starting date	1 st Nov. 2018
Application	<p>Please send the following documents (all in one PDF file) by e-mail to job-application@ubfc.fr:</p> <p>1) For EU candidates: Copy of your national ID card or of your passport page where your photo is printed.</p> <p>For non-EU candidates: Copy of your passport page where your photo is printed.</p> <p>2) Curriculum Vitae (1 page) including hyperlinks to your ResearchID, Research Gate Google Scholar accounts.</p> <p>3) Detailed list of publications including hyperlinks to DOI of each publication.</p> <p>4) Letter of motivation relatively to the position (Cover Letter) in</p>



	<p>which applicants describe themselves and their contributions to previous research projects (maximum 2 pages)</p> <p>5) Copy of your PhD degree if already available.</p> <p>6) Coordinates of reference persons (maximum 3): Title, Name, organization, e-mail.</p> <p>If you have questions regarding the application, please contact the supervisor.</p>
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