

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 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) 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. Job description 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. 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.	Job title	Post doc in Cognitive and Behavioral Neuroscience			
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	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.					
Supervisor(s)	LEBON Florent <u>florent.lebon@u-bourgogne.fr</u>					
	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					
Candidate profile	experience with matlab programming and kinematic analysis is					
	favorable.					
	Within the postdoc duration, the candidate will be demanded to apply for a permanent research position at INSERM.					
	mental practice, neural plasticity, cognitive neuroscience,					
Keywords	neurophysiology					
Job interview	September 2018					
Anticipated starting date	1 st Nov. 2018					
	Please send the following documents (all in one PDF file) by e-mail to					
Application	job-application@ubfc.fr:					
	1) For EU candidates: Copy of your national ID card or of your					
	passport page where your photo is printed.					
	For non-EU candidates: Copy of your passport page where your photo					
	is printed.					
	2) Curriculum Vitae (1 page) including hyperlinks to your ResearchID,					
	Research Gate Google Scholar accounts.					
	3) Detailed list of publications including hyperlinks to DOI of each					
	publication.					
	4) Letter of motivation relatively to the position (Cover Letter) in					

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