PhD position in Cognitive Neuroscience and neurorehabilitation linking bodily self-consciousness, VR, and TMS in stroke patients

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The Center for Neuroprosthetics (CNP) has an open position for a PhD student in cognitive neuroscience of bodily self-consciousness in stroke rehabilitation funded through the ETH Board Grant, within the Personalized Health and Related Technologies (PHRT) program (https://actu.epfl.ch/news/friedhelm-hummel-receives-eth-board-grant-for-st-3/).

The project focuses on bodily self-consciousness, in particular embodiment and body representations in healthy participants and stroke patients. The methodological approach of the work is mainly based, but not only limited to, non-invasive brain stimulation (Transcranial magnetic stimulation) and virtual-reality. The project will be carried out in the Blanke lab (Campus Biotech, Geneva) and at the EPFL's satellite campus in Sion (EPFL Valais Wallis, Campus SUVA) in close collaboration with three local clinics: the Hôpital Valais de Sion, the Clinique Romande de Réadaptation (CRR) and the Berner Klinik Crans-Montana.

The candidate should have a Master's degree (or an equivalent degree) in medicine, neuroscience, biology, psychology, engineering or any related disciplines. She/he should be self-motivated and keen on cognitive and systems neuroscience and neuro-rehabilitation, as well as on working in a multidisciplinary team. Clinical background or previous research experiences with stroke patients, as well as non-invasive brain stimulation are desired. Basic programming (e.g. Matlab, R, Python) and statistical skills are required. Fluency in the French language is recommended. Knowledge in neuroimaging/lesion data analysis are a plus.

The PhD candidate will be enrolled in the EPFL PhD program Neuroscience (next deadline: mid-May 2018; see http://phd.epfl.ch/neuroscience-openings).

For more information, please contact Sonia Laifi (sonia.laifi@epfl.ch).