The Coma Science Group, directed by Pr. Steven Laureys, at the GIGA research Centre – University of Liege (http://www.coma.ulg.ac.be/) is seeking to hire a highly motivated PhD student within the frame of Human Brain Project. Position starts on April 2020 (3 years funding, full-time, with a 6-month trial period).

The candidate will work on multimodal data (fMRI, EEG) and modeling analysis. More specifically, the student will work on developing and comparing methods for assessing consciousness in humans (anesthesia, sleep, and disorders of consciousness).

Job description:
The main tasks will be to i) develop, apply and compare fMRI & EEG signal processing methods as well as source reconstruction methods, ii) investigate structure-function interactions using multimodal modeling of source reconstructed data recordings, iii) apply statistical methods and machine learning algorithms on the features extracted from the processed signals.

Requirements:
Candidates are expected to have a Master's degree or equivalent in engineering, physics, or a closely related discipline with excellent grades and a strong interest in conducting research from an interdisciplinary perspective. The candidates should be fluent in English both oral and written. Previous experience in EEG analysis and good programming skills (Python and/or MATLAB) are required.

How to apply:
Interested candidates should send a CV, motivation letter, copies of educational certificates, and contact information (email) of two potential referees to Raimondo Federico: fraimondo@uliege.be

Applicants must send the required documents before March 15th 2020.