

# Stephanie Lefebvre, PhD.

## **WORK ADDRESS:**

University Hospital of Psychiatry  
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## **EDUCATION:**

June 2002: Baccalaureat S: section biology. (International High school, Ferney Voltaire, France)  
June 2006: Bachelor's degree in biology. Specialization was genetics and developmental biology. (Lyon 1 University, France)  
February 2008: Master's degree in medical biology. Specialization was Neurosciences. (University of Lausanne, Switzerland)  
December 2013: Ph.D. thesis: Biomedical and pharmacological science (Neuroscience)

## **SKILLS**

- Analyses methods and toolbox: fMRI analysis (task-based, resting state fMRI, structural MRI, DTI), Brain Voyager, FreeSurfer, FSL, SPM, CONN toolbox, GIFT toolbox, HCP pipeline, BIDS formatting, EEG analysis (EEGlab, EEG BrainAnalyzer).
- Statistical tools: R, MATLAB, STATISTICA, SPSS
- Acquisition methods: fMRI acquisition (Presentation software, Psychtoolbox,...), brain stimulation: tDCS including MRI compatible high definition tDCS, and TMS using MAGSTIM device and neuronavigation system (Brainsight software), EEG acquisition using Neuroelectronics and BrainVision
- Languages: Fluent in English and French
- Others: Project/protocol design, team management, networking, initiating collaborations, mentoring, papers/grants writing.

## **TRAINING**

- BrainVoyager QX formation: 2011
- SPM course: May 2014
- R online training (FUN MOOC): 2015

## **POSITIONS**

*Sept 2019-Now :* Advanced Post-doctoral researcher Psychiatric Services University of Bern (UPD) University Hospital of Psychiatry, Bern, Switzerland

*Sept 2016-August 2019:* Post-doctoral researcher, Neuroplasticity and Neurorehabilitation Lab, USC, Los Angeles, CA

- Sept 2015-Aug 2016:* Post-doctoral researcher at the Cognitive Neuroscience Centre, UMR 5229, Institute of Cognitive Sciences, CNRS, France, Neuroeconomics group, Reward and decision making.
- Dec 2013-Aug 2015:* Post-doctoral researcher at the LNFP university Lille 2 (France): Neural substrates underlying visual hallucination in schizophrenic and parkinsonian patients.
- Oct 2008-Dec 2013:* Ph.D. student at UCL (University Catholique de Louvain, Brussel, Belgium). “Motor skill learning after stroke: exploration of neurophysiological mechanisms with functional neuroimaging and therapeutic modulation by non-invasive brain stimulation”

### **RESEARCH INTERESTS**

- Brain imaging: Structural and functional imaging
- Brain plasticity and Neuromodulation
- Motor control and Motor learning
- Brain lesion, Psychiatric diseases.
- Human genetics

### **PRICE AND FUNDING**

- USC Provost’s Postdoctoral Scholar Research Grant: \$23,500 (November 2018)
- Fellowship/Grant from “Fondation Mont-Godinne”: 15 000 euros. (October 2012)
- FSR (UCL) grants 2008 & 2010

### **STUDENTS’ SUPERVISION**

- 2 Ph.D. Students at UPD, Bern, Switzerland
- 3 Ph.D. students and 4 graduate students at USC, Los Angeles, USA
- 3 Master student at LNFP University Lille, France
- 4 Master’s students at UCL, Belgium

### **REVIEWER:**

- Human Brain Mapping
- Brain Stimulation
- Neurology
- Frontiers in Neuroscience
- Frontiers in Neurology
- Journal of NeuroEngineering and Rehabilitation
- Neuroscience Letters
- Behavioral Brain Research
- Neural Regeneration Research