

Claire Braboszcz

Cognitive Neurosciences
Post-Doctoral fellow

29 years old
French

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Current Research - Post-doctoral Project

- Laboratory Laboratory for Behavioral Neurology and Imaging of Cognition, University of Geneva, Geneva, Switzerland
- Thematic *fMRI study of the hypnotic state, its influence on emotional processing and mind wandering*
- Supervisor Pr. Patrik Vuilleumier
- Keywords fMRI, empathy, hypnosis, pain, electroencephalographie, meditation, mind wandering, introspection, first-person data, attention, emotions, oscillations, psychometry

Education

- 2008–2012 **PhD in Cognitive Neurosciences**, *The electroencephalographic correlates of mind wandering and meditation*, Center for Brain and Cognition Research, Toulouse, France, Supervised by Dr Arnaud Delorme, PhD.
- 2007–2008 **M.S degree 2nd year in 'Neuroscience, Behavior and Cognition'**, *University of Toulouse 3 Paul Sabatier*, Toulouse, France, With Honors.
- 2006–2007 **M.S degree 1st year in Cognitive Sciences**, *University Lumiere Lyon 2*, Lyon, France, *Exchange student at the University of British Columbia (UBC)*, Vancouver, Canada.
With Honors
- 2003–2006 **B.A in Cognitive Sciences**, *University Lumiere Lyon 2*, Lyon, France, With Honors.

Previous Awards and Fellowships

- 2013-2015 **2 years post-doctoral fellowship**, *from the Fyssen Foundation*.
- 2012 **4th year PhD fellowship**, *from the Foundation for Medical Research (FRM)*.
- october-december 2011 **3 months fellowship**, *from the German office for academic exchange*.
- 2008-2011 **3 years PhD scholarship**, *from the French National Research Center (BDI, CNRS)*.
- 2006-2007 **1 year Honors scholarship**, *from the French government*.

Selected Publications and Communications

International peer-reviewed journals

- Braboszcz, Claire and Cahn, B. Rael and Levi, Yoni and Fernandez, Manuel and Delorme, Arnaud, **Increased gamma brainwave amplitude compared to control in three different meditation traditions**, *In preparation*
- Grandchamp, Romain and Braboszcz, Claire and Delorme, Arnaud, **Oculometric variations during mind wandering**, *Frontiers in Psychology* 2014.

- **Braboszcz, Claire** and Cahn, B. Rael and Balakrishnan, Bhavani and Maturi, Raj K. and Grandchamp, Romain and Delorme, Arnaud, **Plasticity of visual attention in Isha yoga meditation practitioners before and after a 3-month retreat**, *Frontiers in Psychology* 2013. ISSN: 1664-1078.
- **Braboszcz, C.** and Delorme, A., **Lost in thoughts: neural markers of low alertness during mind wandering**, *Neuroimage* 2011.

Book chapters

- **Braboszcz, C.** and Hahusseau, S. and Delorme, A., **Meditation and Neuroscience: from basic research to clinical practice**, in: *Handbook of Integrative Clinical Psychology, Psychiatry, and Behavioral Medicine: Perspectives, Practices, and Research* 2010.

Communication

- **Braboszcz, Claire** and Cahn, B. Rael and Levi, Yoni and Fernandez, Manuel and Delorme, Arnaud **Increased gamma brainwave amplitude compared to control in three different meditation traditions**, Mind and Life 1st European Symposium, 2013, Berlin, Germany
- **Braboszcz, C.** and Delorme, A., **Lost in Thoughts: Neural markers of low alertness level during mind-wandering**, oral presentation , nominee for the CNRS-Max Planck meeting 2012, College de France, Paris
- **Braboszcz, C.** and Delorme, A., **Lost in Thoughts: Neural markers of low alertness level during mind-wandering**, poster presentation , ICCNS 2009, Boston University, Boston

Teaching Experience

- December 2013 **Main Lecturer**, *Jyvaskyla University, Jyvaskyla, Sweden*, 3 days.
EEGlab toolbox workshop, 15 participants
- June 2010 and 2011 **Lecturer and helper at EEGlab Workshops** , *France and Finland*, 4 days.
EEGlab toolbox tutoring, 50 participants
- June 2010 **Main lecturer for HBM Educational Course: the EEGlab toolbox**, *Human Brain Mapping, Barcelona, Spain*.
- 2008–2010 **Teaching Assistant** , *School of Psychomotricity, Toulouse, France*, 39 hours, 35 students.
Teaching classes on motor learning skills, emotions

Technical Skills

Scientific Analysis and Development	Python, Matlab, EEGlab, R, SPM8, Psychopy, Psychtoolbox	Operative Systems	Linux, MacOS X, Windows
Neuroimaging	expert in EEG recording, advanced in fMRI	Office tools	LateX, JabRef, Inkscape, Git

International Experience

- fall 2011 **Germany - 2 months**, *Max Planck Institute for Psychiatry, Munich*, preliminary recordings in an EEG/fMRI study.
- 2009–2010 **India - 7 months**, *Meditation Research Institute, Rishikesh*, EEG data recording.
- summer 2009 **USA - 2 months**, *Swartz Center for Computational Neuroscience, San Diego*, EEG signal advanced analysis.
- 2006–2007 **Canada - 11 months**, *UBC, Vancouver*, Academic Exchange.

Additional Information

Formation

- 2013 **SPM8 Workshop**, *Zurich, Switzerland*, 4 days.
2008-2011 **Training 'interviews for collection of first-person data'**, *Paris, France*, 40 hours.

Scientific expert for

- Brain and Cognition, International Journal of Psychophysiology, Journal of Cognitive Neuroscience, EMC Psychiatrie

Scientific associative activities

- Cognitive Science Students and Young Researchers Associations
- 2008–2010 **President of Toulouse Cognitive Science Student Association (InCOGnu)**, Team management, creation of animations to popularize Cognitive Sciences towards a large audience.
- 2005-2011 **French National Cognitive Science Student Federation (FRESCO)** , involved at diverse degrees (treasurer, executive committee member).

Languages

- French **Native**
English **Expert**
Spanish **Novice**

Interests

- Hiking, climbing, mountaineering
- Yoga, meditation, polyphonic singing, clarinet

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