

Kaunitz, Lisandro Nicolas

Personal Information

Date and place of birth: 05/04/1979, Buenos Aires, Argentina.

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Name and address of employer: t-lab, Monash Brain Imaging, Monash University, Melbourne, Australia

Education

2007 – 2011: PhD in Cognitive Neuroscience (doctoral thesis defense on December 2011) at the Center for Mind / Brain Sciences (CIMeC), University of Trento, Italy. Supervisor: Prof. David Melcher.

1999-2003: “Licenciatura” in Psychology (6 years degree, Masters equivalent) from the Faculty of Psychology, University of Buenos Aires.

Publications

1. Kaunitz L., Kamienkowski J, Varatharaja A., Sigman M., Quian-Quiroga R., Ison M (2013). *Fixation-related potentials to faces in a free-viewing visual search task.* **Neuroimage**, 89, 297-305.
2. Kaunitz L, Fracasso A, Lingnau A, Melcher D (2013). *Non-Conscious Processing of Motion Coherence Can Boost Conscious Access.* **PLoS ONE** 8(4): e60787.
3. Kaunitz L., Fracasso A., Melcher D (2011). *Unseen complex motion is modulated by attention and generates a visible aftereffect.* **Journal of Vision**, 11(13):10, 1–9.
4. Kaunitz L, Kamienkowski J, Olivetti E, Murphy B, Avesani P and Melcher D (2011). *Intercepting the first pass: rapid categorization is suppressed for unseen stimuli.* **Front. Psychology** 2:198. doi: 10.3389/fpsyg.2011.00198
5. De Pisapia N., Kaunitz L., Melcher D (2010). *Backward masking and unmasking across saccadic eye movements.* **Current Biology**, 20, 1-5.

Working Experience

2013: Research Associate at Prof.Tsuchiya's lab, Monash Brain Imaging, Monash University, Melbourne, Australia.

2013: Honorary Research Scientist – Neurology in St Vincent's hospital, Melbourne, Australia.

2012: Research Associate at the NeuroEngineering lab, Department of Engineering, University of Leicester, United Kingdom.

2007 - 2011: PhD Student at the Center for Mind / Brain Sciences , University of Trento, Italy (CIMEC, <http://www.unitn.it/cimec>).

2006 - 2007: Graduate Student at the Laboratory of Physiology of Action, Faculty of Medicine, University of Buenos Aires (<http://www.fmed.uba.ar/depto/fisiologia/fdaction.htm>).

2005 - 2007: Research assistant at the “Fundacion para la Lucha contra las Enfermedades de la Infancia”, Raúl Carrea Institute, Buenos Aires, Argentina (FLENI, <http://www.fleni.org.ar/>).

Teaching Experience

2004 - 2007: Instructor in Neuropsychology and Neurophysiology at the Faculty of Psychology, Department of Neurophysiology, University of Buenos Aires.

2000 - 2003: Teaching assistant in Neuropsychology and Neurophysiology at the Faculty of Psychology, Department of Neurophysiology, University of Buenos Aires.

Scientific Affiliations

Full member of the Association for the Scientific Study of Consciousness (ASSC).

Since 2012 Member of the conference Committee of the ASSC

Ad hoc reviewer for journals

1. International Journal of Psychological Studies.

2. Frontiers in Psychology
3. E-Perception

Fellowships

2007: PhD fellowship from the Faculty of Cognitive Sciences at the Center for Mind / Brain Sciences, University of Trento, Italy.

2006: Research fellowship from CONICET (Argentinian Government Agency of Science).

2005: FLENI "Young Scientists" research fellowship.

Programming Skills

Proficient in programming psychophysics experiments employing Matlab and the Matlab Psychophysics Toolbox: design of experiments, stimuli creation, timing control of stimuli presentation and stimuli synchronization with EEG and MEG recordings.

Trained at programming online and offline eye tracking experiments using Matlab: data collection, plotting and data analyses of saccades, microsaccades and scan paths.

EEG/ MEG / EcoG data analysis: EEGLAB and BESA. Scripting of custom made software for EEG/MEG single trial data classification analyses (machine learning, decoding).

Languages

Mother tongue: Spanish.

Other languages: fluent speaker of English and Italian.

Certificates: Proficiency Examination in English (University of Cambridge, 2000). First Certificate in English (University of Cambridge, 1998).

Summer Schools and Workshops

2011: *The tool-kit of cognitive neuroscience: Advanced data analysis and source modelling of EEG and MEG data.* Donders Center for Cognitive Neuroimaging, Nijmegen, The Netherlands, on April 18-21. This course was an intensive approach to the use of FieldTrip software for analysis of EEG and MEG data. It covered a wide set of

topics ranging from artifact detection, epoching, and ERPs and ERFs analyses to time-frequency analyses and source localization using beamformers. The Donders Center for Cognitive Neuroimaging is responsible for the creation, development and distribution of Fieldtrip software.

2010: *Advanced Scientific Programming in Python*. Autumn School at the Bruno Kessler Foundation, Trento, Italy, on October 4-8.

Presentations and Posters

2014: Kaunitz L., Rowe E., Tsuchiya N. *How much do we see and remember outside of fixations in natural vision?* Australasian Neuroscience Society (ANS), Adelaide (Poster).

2012: Kaunitz L., Kamienkowski J, Quian-Quiroga R., Sigman M., Ison M. *Fixation-related potentials to faces in a free-viewing visual search task*. European Conference on Visual Perception, Alghero, 1st – 6th of september (Poster).

2012: Kaunitz L., Fracasso A., Lingnau A., Melcher D. *Non-conscious processing of motion coherence can boost conscious access*. Association for the Scientific Study of Consciousness, Brighton, 2-6 June (Poster)

2011: Kaunitz L., Fracasso A., Melcher D. *The role of attention and awareness in visual motion adaptation*. European Conference on Visual Perception, Toulouse, 28 august – 1st september (Poster).

2011: Kaunitz L., Fracasso A., Melcher D. *The role of awareness in object perception: seen and unseen visual motion*. Concepts, Actions and Objects workshop, Rovereto, May 19-22 (Poster).

2009: De Pisapia N., Kaunitz L., Melcher D. *Masking and unmasking in trans-saccadic perception*. Rovereto Attention Workshop, Rovereto, October 23 (Poster).

2009: Kaunitz L., Murphy B., Poesio M., Melcher D. *Predicting perceptual states from EEG single trial analysis*. Association for the scientific studies on consciousness, Berlin, June 13 (Poster).

2007: Kaunitz L., Leiguarda R., Della Maggiore V. *Visual imagery in neglect patients*. IX Argentinian Workshop in Neurosciences. Córdoba, April 15 (Poster).

2005: Kaunitz L., Burdman F., Wilson M., Marechal P., Martinez M. *Unconscious process of access to semantic memory*. VII Argentinian Workshop in Neurosciences, Córdoba, April 15 (Poster).

2005: Kaunitz L. *To imagine with your eyes or to imagine with your fingers?* VII Argentinian Workshop in Neuroscience, Córdoba, April 15 (Poster).

2003: Participant of the “Congreso de Neuropsicología de la Argentina”. Golden Saloon. Organized by SONEPSA (Argentinian Society of Neuropsychology).

Other Scientific Activities

2004: Organizer and member of *The Basement of Perception*, a neuroscience workshop carried on at the *Centro Cultural San Martin* from November 3rd to November 14th of 2004 in Buenos Aires, Argentina. This event took place as part of a collaboration between the University of Buenos Aires and the Government of Buenos Aires city to reach out to the public and to engage them with the field of neuroscience.