

## Lucia CARRIERO



After her studies in neuropsychology at University of Padova (Italy), Lucia Carriero spent a 4 years postgraduate internship at the University of Padova and at the BRAIN Lab in Trieste, where she learned to setup experimental protocols with EEG, fMRI, MEG and TMS techniques.

In 2001 she joined the group of Prof. Piero Paolo Battaglini at the Department of Physiology of the University of Trieste. In the same period she started her PhD studies in Cognitive Neuroscience at the International School for Advanced Studies (SISSA-ISAS). She mainly worked on visual processes and action neural correlates in healthy individuals, and among the main results of her thesis she found activations of frontal areas ipsilaterally to the response prior to execute conflicting motor choices. She also studied the involvement of parietal cortex in enhancing top-down processes in conflicting motor tasks.

In 2006, thanks to a Marie Curie grant, she joined the group of Prof. Thomas Pollmaecher at the Max Planck Institute of Psychiatry in Munich, where she worked as post-doc with neurological patients and healthy individuals. In 2007 she moved for a secondment to the Biomedicum Center in Helsinki and, under the supervision of Prof. Dr. Porkka-Heiskanen and her collaborators, she studied microdialysis in rodents models of sleep deprivation and she learned basis of High Performance Liquid Chromatography (HPLC). Back in Munich to the Max Planck Institute, she continued her project on the cortical and subcortical correlates of emotional susceptibility in narcoleptic patients, with both fMRI and ERPs techniques.

In February 2010, thanks to a fellowship of Neurodis, Lucia Carriero joined the research group of Angela Sirigu at the Centre for Cognitive Neuroscience (CNRS UMR 5229) to work on the neural basis of pain with intracranial EEG. When she got the news about the Neurodis fellowship, she commented: *"I am so grateful to Neurodis to have the opportunity to investigate this delicate topic and I hope this technique can help us to better understand how brain elaborates everyday painful situations."*

The Neurodis Foundation would like to thank the APICIL Foundation for its Financial support on this project that perfectly meets the main theme of the APICIL foundation which is the fight against pain.

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