

CLAUDIA FRACASSI- CURRICULUM VITAE

CONTACT/WORK ADDRESS:

Cognitive Neuroscience Section,
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WORK - RESEARCH EXPERIENCE - PRESENT:

- 2006 September–present: research assistant at Cognitive Neuroscience Section, The Saint John of God Clinical Research Centre – IRCCS Centro San Giovanni di Dio Fatebenefratelli.
- August 2002 –May 2004: scholarship as research assistant at Cognitive Neuroscience Section, The Saint John of God Clinical Research Centre – IRCCS Centro San Giovanni di Dio Fatebenefratelli.
- March 2001-march 2002: post-graduate training at Cognitive Neuroscience Section, The Saint John of God Clinical Research Centre – IRCCS Centro San Giovanni di Dio Fatebenefratelli.

Work - Research experience - present:

- Cognitive and experimental psychology: perception, action, and higher cognitive processes.
- neurophysiology, neuroimaging, systems neuroscience, neurological disorders.
- Keywords: Cognitive Neuroscience; Cognitive Plasticity; Neuroplasticity; Behaviour; Human Neurophysiology; Electrophysiology (EEG); Connectivity; Non-invasive brain stimulation - NIBS; transcranial electrical stimulation – tES (tDCS; tACS; tRNS); transcranial magnetic stimulation - TMS (rTMS).

Academic Qualifications:

- 2001 February 20th Master of Science in Experimental Psychology "Laurea", University of Padua, School of Psychology, Padua, Italy;

FULL LIST OF PUBLICATIONS IN PEER REVIEWED JOURNALS

Sub-second "temporal attention" modulates alpha rhythms. A high-resolution EEG study.
Babiloni C, Miniussi C, Babiloni F, Carducci F, Cincotti F, Del Percio C, Sirello G, **Fracassi C**, Nobre AC, Rossini PM.
Brain Res Cogn Brain Res. 2004 May;19(3):259-68.

Brain vascular damage of cholinergic pathways and EEG markers in mild cognitive impairment.
Moretti DV, Pievani M, **Fracassi C**, Geroldi C, Calabria M, De Carli CS, Rossini PM, Frisoni GB.
J Alzheimers Dis. 2008 Nov;15(3):357-72.

White matter vascular lesions are related to parietal-to-frontal coupling of EEG rhythms in mild cognitive impairment.
Babiloni C, Frisoni GB, Pievani M, Vecchio F, Infarinato F, Geroldi C, Salinari S, Ferri R, **Fracassi C**, Eusebi F, Rossini PM.
Hum Brain Mapp. 2008 Dec;29(12):1355-67.

Increase of theta/gamma ratio is associated with memory impairment.
Moretti DV, **Fracassi C**, Pievani M, Geroldi C, Binetti G, Zanetti O, Sosta K, Rossini PM, Frisoni GB.
Clin Neurophysiol. 2009 Feb;120(2):295-303.

White-matter lesions along the cholinergic tracts are related to cortical sources of EEG rhythms in amnesic mild cognitive impairment.

Babiloni C, Pievani M, Vecchio F, Geroldi C, Eusebi F, **Fracassi C**, Fletcher E, De Carli C, Boccardi M, Rossini PM, Frisoni GB.

Hum Brain Mapp. 2009 May;30(5):1431-43.

Hippocampal volume and cortical sources of EEG alpha rhythms in mild cognitive impairment and Alzheimer disease.

Babiloni C, Frisoni GB, Pievani M, Vecchio F, Lizio R, Buttiglione M, Geroldi C, **Fracassi C**, Eusebi F, Ferri R, Rossini PM.

Neuroimage. 2009 Jan 1;44(1):123-35.

Increase of theta/gamma and alpha3/alpha2 ratio is associated with amygdalo-hippocampal complex atrophy.

Moretti DV, Pievani M, **Fracassi C**, Binetti G, Rosini S, Geroldi C, Zanetti O, Rossini PM, Frisoni GB.

J Alzheimers Dis. 2009;17(2):349-57

Stability of clinical condition in mild cognitive impairment is related to cortical sources of alpha rhythms: An electroencephalographic study.

Babiloni C, Frisoni GB, Vecchio F, Lizio R, Pievani M, Cristina G, **Fracassi C**, Vernieri F, Rodriguez G, Nobili F, Ferri R, Rossini PM

Hum Brain Mapp. 2010 Dec 22

MCI patients' EEGs show group differences between those who progress and those who do not progress to AD.

Moretti DV, Frisoni GB, **Fracassi C**, Pievani M, Geroldi C, Binetti G, Rossini PM, Zanetti O.

Neurobiol Aging 2011, 32 (4) 563-71

Volumetric differences in mapped hippocampal regions correlate with increase of high alpha rhythm in Alzheimer's disease.

Moretti DV, Prestia A, **Fracassi C**, Geroldi C, Binetti G, Rossini PM, Zanetti O, Frisoni GB.

Int J Alzheimers Dis. 2011

Specific EEG Changes Associated with Atrophy of Hippocampus in Subjects with Mild Cognitive Impairment and Alzheimer's Disease

Moretti D. V., Prestia A., **Fracassi C.**, Binetti G., Zanetti O., and Frisoni G. B.

Int J Alzheimers Dis. 2012 Epub 2012 Feb 12

Predicting Alzheimer's disease severity by means of TMS-EEG co-registration

Chiara Bagattini, Tuomas P. Mutanen, **Claudia Fracassi**, Rosa Manenti, Maria Cotelli, Risto J. Ilmoniemi, Carlo Miniussi, Marta Bortoletto.

Neurobiology of Aging 2019, 80 38-45