

Part A. PERSONAL INFORMATION

CV date

12/02/2020

First and Family name	STEPHAN MORATTI		
Researcher numbers	Researcher ID	A-5605-2019	
	Orcid code	0000-0003-0824-8759	

A.1. Current position

Name of University/Institution	Universidad Complutense de Madrid		
Department	Psicología Experimental, Procesos Psicológico y Logopedia/ F. Psicología		
Address and Country			
Phone number		E-mail	smoratti@ucm.es
Current position	Profesor Contratado Doctor	From	2015
Espec. cód. UNESCO	249000-Neuroscience; 320105-Clinical Psychology; 610600-Experimental Psychology; 610610-Physiological Psychology		
Palabras clave			

A.2. Education

PhD	University	Year
Psychology	Konstanz University, Germany	2005
Msc in Psychology (Clinical Psychology)	Konstanz University, Germany	2001

A.3. JCR articles, h Index, thesis supervised...

Two research "sexenios" (received 2015). Positive evaluation I3, Supervised PhD thesis: 3, PhD thesis under supervision: 3, supervised master thesis: 5 (1 currently under supervision), total citations: 1639, mean citations/year during last 5 years (without current year): 29.3, total Q1 publications : 22 of 56 total publications (journal), h-index: 20; utilized data base Web of Science (WOS/ Publons).

Part B. CV SUMMARY (max. 3500 characters, including spaces)

Dr. Stephan Moratti received his master in Clinical Psychology at the University of Konstanz, Germany in 2001. During his studies at the University of Konstanz he began his Cognitive Psychology training with an internship at the Max Planck Institute of Psychological Research, Munich, Germany in the group of Prof. Dr. Hommel (1997). After that, he had been working in the EEG-MEG laboratories of Prof. Dr. Thomas Elbert and Prof. Dr. Brigitte Rockstroh (Konstanz University). During his psychology career, he did an obligatory clinical training at the Clinic Bogenhausen, Munich, Germany (Neuropsychology, 1998). After finishing his Master in Clinical Psychology (2001), he did his PhD in the laboratory of Prof. Dr. Andreas Keil at Konstanz University, Germany. During his PhD he was invited to take part in research activities at the University of Georgia, Athens, USA (Prof. Dr. Brett Clementz, 2003). He also taught Prof Clementz's students in advanced MEG/ EEG analysis during this time. He was also member of the Committee of Student's Interests (international section) of the Society for Psychophysiological Research (SPR). In 2005 he obtained his doctoral degree in Clinical Psychology at the University of Konstanz with his research theses about the modulation of oscillatory brain responses by emotion. Afterwards, Dr. Stephan Moratti received a prestigious research fellow grant from the Deutsche Forschungsgemeinschaft (German Research Foundation) and joined the Center of Magnetoencephalography of the Complutense University of Madrid, Spain in 2006. Thereafter, Dr. Stephan Moratti joined a Post-Doc position (2008) at the Polytechnic University of Madrid, Spain. In 2010 he received a prestigious Ramón y Cajal Research Fellowship at the Complutense University of Madrid (Departamento de Psicología Básica I). Since 2015 he is a full profesor of Psychology (Profesor Contratado)

at the Complutense University of Madrid (Departamento de Psicología Experimental). He is also associate editor of the journal Psychophysiology.

Part C. RELEVANT MERITS

C.1. Publications (including books)

- 1: Galarza Vallejo A, Kroes MCW, Rey E, Acedo MV, Moratti S, Fernández G, Strange B. Propofol-induced deep sedation reduces emotional episodic memory reconsolidation in humans. *Science Advances*. 2019 Mar 20. Vol 5(3). Doi: 10.1126/sciadv.aav3801.
- 2: Yuan M, Giménez-Fernández T, Méndez-Bértolo C, Moratti S. Ultra-fast cortical gain adaptation in the human brain by trial-to-trial changes of associative strength in fear learning. *J Neurosci*. 2018 Sep 19. Vol 38(38): 8262-8276. Doi: 10.1523/jneurosci.0977-18.2018
- 3: Moratti S, Giménez-Fernández T, Méndez-Bértolo C, de Vicente-Pérez F. Conditioned inhibitory and excitatory gain modulations of visual cortex in fear conditioning: Effects of analysis strategies of magnetocortical responses. *Psychophysiology*. 2017 Jun;54(6):882-893. doi: 10.1111/psyp.12841.
- 4: Lithari C, Moratti S, Weisz N. Limbic areas are functionally decoupled and visual cortex takes a more central role during fear conditioning in humans. *Sci Rep*. 2016 Jul 6;6:29220. doi: 10.1038/srep29220.
- 5: Méndez-Bértolo C, Moratti S, Toledano R, Lopez-Sosa F, Martínez-Alvarez R, MahYH, Vuilleumier P, Gil-Nagel A, Strange BA. A fast pathway for fear in human amygdala. *Nat Neurosci*. 2016 Aug;19(8):1041-9. doi: 10.1038/nn.4324.
- 6: Lithari C, Moratti S, Weisz N. Thalamocortical interactions underlying visual fear conditioning in humans. *Hum Brain Mapp*. 2015 Nov;36(11):4592-603. doi:10.1002/hbm.22940.
- 7: Rubio G, López-Muñoz F, Jurado-Barba R, Martínez-Gras I, Rodríguez-Jiménez R, Espinosa R, Pérez-Nieto MÁ, Moratti S, Jiménez-Arriero MÁ, Carlos Leza J. Stress induced by the socially evaluated cold-pressor test cause equivalent deficiencies of sensory gating in male subjects with schizophrenia and healthy controls. *Psychiatry Res*. 2015 Aug 30;228(3):283-8. doi: 10.1016/j.psychres.2015.05.097.
- 8: Jurado-Barba R, Rubio Valladolid G, Martínez-Gras I, Alvarez-Alonso MJ, Ponce Alfaro G, Fernández A, Moratti S, Heinz A, Jimenez-Arriero MÁ. Changes on the Modulation of the Startle Reflex in Alcohol-Dependent Patients after 12 Weeks of a Cognitive-Behavioral Intervention. *Eur Addict Res*. 2015;21(4):195-203. doi: 10.1159/000371723.
- 9: Moratti S, Strange B, Rubio G. Emotional arousal modulation of right temporoparietal cortex in depression depends on parental depression status in women: first evidence. *J Affect Disord*. 2015 Jun 1;178:79-87. doi: 10.1016/j.jad.2015.02.031.
- 10: Morales-Muñoz I, Jurado-Barba R, Ponce G, Martínez-Gras I, Jiménez-Arriero MÁ, Moratti S, Rubio G. Characterizing cannabis-induced psychosis: a study with prepulse

inhibition of the startle reflex. *Psychiatry Res.* 2014 Dec 15;220(1-2):535-40. doi: 10.1016/j.psychres.2014.08.010.

11: Moratti S, Méndez-Bértolo C, Del-Pozo F, Strange BA. Dynamic gamma frequency feedback coupling between higher and lower order visual cortices underlies perceptual completion in humans. *Neuroimage.* 2014 Feb 1;86:470-9. doi: 10.1016/j.neuroimage.2013.10.037.

12: Vizcaino EJ, Fernandez-Navarro P, Blanco C, Ponce G, Navio M, Moratti S, Rubio G. Maintenance of attention and pathological gambling. *Psychol Addict Behav.* 2013 Sep;27(3):861-7. doi: 10.1037/a0032656.

13: Fernández A, Turrero A, Zuluaga P, Gil-Gregorio P, del Pozo F, Maestu F, Moratti S. MEG delta mapping along the healthy aging-Alzheimer's disease continuum: diagnostic implications. *J Alzheimers Dis.* 2013;35(3):495-507. doi: 10.3233/JAD-121912.

14: García-Pacios J, Gutiérrez R, Solesio E, Moratti S, Ruiz-Vargas JM, López-Frutos JM, Lorenzo-López L, Del-Pozo F, Maestú F. Early prefrontal activation as a mechanism to prevent forgetting in the context of interference. *Am J Geriatr Psychiatry.* 2013 Jun;21(6):580-8. doi: 10.1016/j.jagp.2012.12.021.

15: Aureneth S, Castellanos NP, Moratti S, Bajo R, Gil P, Beitia G, del-Pozo F, Maestú F. Dysfunctional and compensatory duality in mild cognitive impairment during a continuous recognition memory task. *Int J Psychophysiol.* 2013 Jan;87(1):95-102. doi: 10.1016/j.ijpsycho.2012.11.008.

16: Munar E, Nadal M, Rosselló J, Flexas A, Moratti S, Maestú F, Marty G, Cela-Conde CJ. Lateral orbitofrontal cortex involvement in initial negative aesthetic impression formation. *PLoS One.* 2012;7(6):e38152. doi: 10.1371/journal.pone.0038152.

17: Nevado A, Hadjipapas A, Kinsey K, Moratti S, Barnes GR, Holliday IE, Green GG. Estimation of functional connectivity from electromagnetic signals and the amount of empirical data required. *Neurosci Lett.* 2012 Mar 28;513(1):57-61. doi: 10.1016/j.neulet.2012.02.007.

18: Moratti S, Saugar C, Strange BA. Prefrontal-occipitoparietal coupling underlies late latency human neuronal responses to emotion. *J Neurosci.* 2011 Nov 23;31(47):17278-86. doi: 10.1523/JNEUROSCI.2917-11.2011

19: Ethridge L, Moratti S, Gao Y, Keil A, Clementz BA. Sustained versus transient brain responses in schizophrenia: the role of intrinsic neural activity. *Schizophr Res.* 2011 Dec;133(1-3):106-11. doi: 10.1016/j.schres.2011.07.016. Epub 2011 Aug 11.

20: Díaz-Marsá M, Carrasco JL, López-Ibor M, Moratti S, Montes A, Ortiz T, López-Ibor JJ. Orbitofrontal dysfunction related to depressive symptomatology in subjects with borderline personality disorder. *J Affect Disord.* 2011 Nov;134(1-3):410-5. doi: 10.1016/j.jad.2011.04.034.

21: Maestú F, Yubero R, Moratti S, Campo P, Gil-Gregorio P, Paul N, Solesio E, del Pozo F, Nevado A. Brain activity patterns in stable and progressive mild cognitive impairment during

working memory as evidenced by magnetoencephalography. J Clin Neurophysiol. 2011 Apr;28(2):202-9. doi: 10.1097/WNP.0b013e3182121743.

C.2. Research projects and grants

- 1** Inhibición y excitación de la corteza visual humana durante el condicionamiento del miedo. Ministerio de Ciencia, Innovación, y Universidades. PI: Stephan Moratti. Convocatoria 2018. 01/01/2019 – 31/12/2021. 60.500 € (PCG2018-097940-B-I00).
- 2** Acopla tus emociones por la conducción de tu cerebro a través la amplitud modulada. Ministerio de Ciencia, Innovación, y Universidades. PI: Stephan Moratti. Convocatoria 2017. 01/11/2018 – 31/10/2020. 42.350 €. (PSI2017-91700-EXP)
- 3** Disfunción de la Corteza Temporo-Parietal y del Circuito Cortical de la Atención como Endofenotipo de la Depresión Ministerio de Economía y Competitividad. PI: Stephan Moratti. 01/01/2015-31/12/2018. 91.000 €.
- 4** Dynamic cortical and nucleus accumbens network in humans: combining intracranial y MEG recordings BIAL INDUSTRIAL FARMACEUTICA, S. A. PI: ROSA GONZÁLEZ. 01/02/2013-31/08/2015. 50.000 €.
- 5** Caracterización de los endofenotipos psicofisiológicos en hijos de alcohólicos Proyectos de investigación de Drogodependencias. PI: MARTÍNEZ GRAS. 01/01/2012-31/12/2014. 57.276 €.
- 6** Psychophysiological paradigms predictors of relapse in the treatment of alcohol dependent subjects THE EUROPEAN FOUNDATION FOR ALCOHOL RESEARCH. PI: GABRIEL RUBIO VALLADOLID. 01/01/2012-31/12/2013. 72.400€.
- 7** Actividad neuronal oscilatoria en el córtex visual relacionada con estímulos condicionados durante el aprendizaje del miedo: Factores cognitivos y aplicación clínica en el trastorno de estrés posttraumático. MINISTERIO DE CIENCIA E INNOVACIÓN. PI: STEPHAN MORATTI. (Universidad Politécnica de Madrid). 01/01/2010-31/12/2013. 87.120 €.

C.3. Contracts

C.4. Patents

C.5, C.6, C.7... (e. g., Institutional responsibilities, memberships of scientific societies...)

- Member of the Sociedad Española de Neurociencia Afectiva y Cognitiva (SEPNECA)
- Member of the Society for Psychophysiological Research (SPR)
- Associate Editor of the journal "Psychophysiology"