

CV Date	06/10/2022
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Part A. PERSONAL INFORMATION

First Name	Ignacio		
Family Name	Obeso Martin		
Sex	Male	Date of Birth	16/11/1983
ID number Social Security, Passport	XXXXXX		
URL Web	www.controlandhabit.com		
Email Address	i.obesomartin@gmail.com		
Open Researcher and Contributor ID (ORCID)	0000-0001-8783-7281		

A.1. Current position

Job Title	Profesor ayudante doctor		
Starting date	2022		
Institution	Universidad Complutense de Madrid		
Department / Centre	Psicobiología / Facultad de Psicología		
Country		Phone Number	
Keywords			

A.2. Previous positions (Research Career breaks included)

Period	Job Title / Name of Employer / Country
2017 - 2019	Profesor Asociado / Universidad Rey Juan Carlos / Spain
2016 - 2018	Contrato Sara Borrell / Fundación de Investigación HM Hospitales / Spain
2012 - 2014	post-doctoral / Centre National de la Recherche Scientifique (CNRS) / France
2011 - 2012	pre-doctoral / University of Toronto / Canada

A.3. Education

Degree/Master/PhD	University / Country	Year
Ph.D. in cognitive neuroscience	University College of London (UCL)	2012
Psychology degree (clinical option)	Universidad de Deusto	2006

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Most important publications in national or international peer-reviewed journals, books and conferences

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- Scientific paper.** Pasqualina Guida; Michiels M; Redgrave P; Luque D; Obeso I.2022. An fMRI meta-analysis of the role of the striatum in everyday-life vs laboratory-developed habits. *Neuroscience and Biobehavioral Reviews*.
- Scientific paper.** Maggi G; Cima Muñoz AM; Obeso I; Santangelo G.2022. Neuropsychological, neuropsychiatric, and clinical correlates of affective and cognitive theory of mind in Parkinson's disease: A meta-analysis. *Neuropsychology*.
- Scientific paper.** Obeso I; Loayza F; Rafael González Redondo; Elkin Luis; Federico Villagra; José A. Obeso; M Jahanshahi. 2022. The motor inhibitory network in patients with asymmetrical Parkinson's disease: An fMRI study. *Brain Imaging and Behaviour*.
- Scientific paper.** Raúl Martínez-Fernández; Sujitha Mahendran; Obeso I; Del alamo M; Obeso JA; Obeso I. 2021. Bilateral staged magnetic resonance-guided focused ultrasound thalamotomy for the treatment of essential tremor: a case series study *Journal of Neurology, Neurosurgery & Psychiatry*.

- 5 **Scientific paper.** Mata-Marín D; Pineda-Pardo J.A.; Alonso F; L Vela; Molina J.A.; Obeso I. 2021. Aberrant salient and corticolimbic connectivity in hypersexual Parkinson's disease. *Brain Connectivity*.
- 6 **Scientific paper.** Obeso I; Herrero MT; Ligneul R; Rothwell JC; M Jahanshahi. 2021. A causal role for the right dorsolateral prefrontal cortex in avoidance of risky choices and making advantageous choices. *Neuroscience*.
- 7 **Scientific paper.** 2021. Blood-Brain Barrier Opening with Focused Ultrasound in Parkinson's Disease Dementia: A Safety and Feasibility Study. *Nature Communications*.
- 8 **Scientific paper.** D'Iorio A; Pasqualina Guida; Maggi G; Redgrave P; Santangelo G; Obeso I. 2021. Neuropsychological spectrum in early PD: insights from controlled and automatic behavioural regulation. *Neuroscience and Biobehavioral Reviews*.
- 9 **Scientific paper.** R Liu; Z Wang; X Zhang; et al;. 2020. Altered sulcogyral patterns of orbitofrontal cortex in patients with mild cognitive impairment. *Psychiatry Res Neuroimaging*.
- 10 **Scientific paper.** Y Li; L Butera; I Obeso; MC Villeval; E Meterau; JC Dreher. 2020. Endogenous testosterone is associated with increased striatal response to audience effects during prosocial choices. *Psychoneuroendocrinology*.
- 11 **Scientific paper.** Jose Pineda Partdo; Ignacio Obeso Martin; Pasqualina Guida; Michele Dileone; Bryan Strange; Jose Angel Obeso; Antonio Oliviero; Guglielmo Foffani. 2019. Static magnetic field stimulation of the supplementary motor area modulates resting-state activity and motor behavior *Nature Communication Biology*. *Nature*. 2, pp.397.
- 12 **Scientific paper.** Ledia Hernández; Ignacio Obeso; Rui Costa; Peter Redgrave; Obeso Jose Angel. 2019. Dopaminergic Vulnerability in Parkinson Disease: The Cost of Humans' Habitual Performance *TRENDS NEUROSCI*. *Cell Press*. 42-6, pp.37-383. <https://doi.org/10.1016/j.tins.2019.03.007>
- 13 **Scientific paper.** Carmen Gasca Salas; Pasqualina Guida; Ignacio Obeso. 2019. Cognitive safety after unilateral magnetic resonance-guided focused ultrasound thalamotomy for essential tremor. *J Neurol Neurosurg Psychiatry*.
- 14 **Scientific paper.** Romuald Girard; Ignacio Obeso; Jean Claude Dreher. 2019. Wait and you shall see: sexual delay discounting in hypersexual Parkinson's disease. *Brain*. <https://doi.org/10.1093/brain/awy298>
- 15 **Scientific paper.** Ignacio Obeso; Marius Moisa; Christian Ruff; Jean-Claude Dreher. 2018. A causal role for right temporo-parietal junction in signaling moral conflict *eLife*. <https://doi.org/10.7554/eLife.40671.001>
- 16 **Scientific paper.** Alessandra Pereira; Ignacio Obeso. 2018. Differences in Cortical Structure and Functional MRI Connectivity in High Functioning Autism. *Frontiers Neurology*.
- 17 **Scientific paper.** Alvaro Sanchez Ferro; Michele Matarazzo; Ignacio Obeso. 2018. Minimal Clinically Important Difference for UPDRS-III in Daily Practice. *Movement Disorders*. Wylie.
- 18 **Scientific paper.** Martínez Fernández, R.; Rodríguez Rojas, R.; Del Álamo, M.; et al; Obeso, JA. 2018. Focused ultrasound subthalamotomy in patients with asymmetric Parkinson's disease: a pilot study. *The Lancet. Neurology*. 17-1, pp.54-63. ISSN 1474-4465. [https://doi.org/10.1016/S1474-4422\(17\)30403-9](https://doi.org/10.1016/S1474-4422(17)30403-9)
- 19 **Scientific paper.** Obeso, I.; Casabona, E.; Rodríguez Rojas, R.; Bringas, ML.; Macías, R.; Pavón, N.; Obeso, JA.; Jahanshahi, M. 2017. Unilateral subthalamotomy in Parkinson's disease: Cognitive, psychiatric and neuroimaging changes. *Cortex; a journal devoted to the study of the nervous system and behavior*. 94, pp.39-48. ISSN 1973-8102. <https://doi.org/10.1016/j.cortex.2017.06.006>
- 20 **Scientific paper.** Obeso, I.; Wilkinson, L.; Teo, JT.; Talelli, P.; Rothwell, JC.; Jahanshahi, M. 2017. Theta burst magnetic stimulation over the pre-supplementary motor area improves motor inhibition. *Brain stimulation*. 10-5, pp.944-951. ISSN 1876-4754. <https://doi.org/10.1016/j.brs.2017.05.008>
- 21 **Scientific paper.** Ligneul, R.; Obeso, I.; Ruff, CC.; Dreher, JC. 2016. Dynamical Representation of Dominance Relationships in the Human Rostromedial Prefrontal Cortex. *Current biology*. *Cell Press*. 26-23, pp.3107-3115. ISSN 1879-0445. <https://doi.org/10.1016/j.cub.2016.09.015>

- 22 Scientific paper.** Kohl, S.; Aggeli, K.; Obeso, I.; Speekenbrink, M.; Limousin, P.; Kuhn, J.; Jahanshahi, M.2015. In Parkinson's disease pallidal deep brain stimulation speeds up response initiation but has no effect on reactive inhibition. *Journal of neurology.* 262-7, pp.1741-1750. ISSN 1432-1459. <https://doi.org/10.1007/s00415-015-7768-6>
- 23 Scientific paper.** Abi Jaoude, E.; Segura, B.; Obeso, I.; et al; Strafella, AP.2015. Similar striatal D2/D3 dopamine receptor availability in adults with Tourette syndrome compared with healthy controls: A [(11) C]-(+)-PHNO and [(11) C]raclopride positron emission tomography imaging study. *Human brain mapping.* 36-7, pp.2592-2601. ISSN 1097-0193. <https://doi.org/10.1002/hbm.22793>
- 24 Scientific paper.** Cho, SS.; Koshimori, Y.; Aminian, K.; et al; Strafella, AP.2015. Investing in the future: stimulation of the medial prefrontal cortex reduces discounting of delayed rewards. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology.* 40-3, pp.546-553. ISSN 1740-634X. <https://doi.org/10.1038/npp.2014.211>
- 25 Scientific paper.** Obeso, I.; Wilkinson, L.; Casabona, E.; et al; Jahanshahi, M.2014. The subthalamic nucleus and inhibitory control: impact of subthalamotomy in Parkinson's disease. *Brain : a journal of neurology.* 137-Pt 5, pp.1470-1480. ISSN 1460-2156. <https://doi.org/10.1093/brain/awu058>
- 26 Scientific paper.** Osman, M.; Ryterska, A.; Karimi, K.; Tu, L.; Obeso, I.; Speekenbrink, M.; Jahanshahi, M.2014. The effects of dopaminergic medication on dynamic decision making in Parkinson's disease. *Neuropsychologia.* 53, pp.157-164. ISSN 1873-3514. <https://doi.org/10.1016/j.neuropsychologia.2013.10.024>
- 27 Scientific paper.** Obeso, I.; Cho, SS.; Antonelli, F.; Houle, S.; Jahanshahi, M.; Ko, JH.; Strafella, AP.2013. Stimulation of the pre-SMA influences cerebral blood flow in frontal areas involved with inhibitory control of action. *Brain stimulation.* 6-5, pp.769-776. ISSN 1876-4754. <https://doi.org/10.1016/j.brs.2013.02.002>
- 28 Scientific paper.** Cho, SS.; Pellecchia, G.; Aminian, K.; Ray, N.; Segura, B.; Obeso, I.; Strafella, AP.2013. Morphometric correlation of impulsivity in medial prefrontal cortex. *Brain topography.* 26-3, pp.479-487. ISSN 1573-6792. <https://doi.org/10.1007/s10548-012-0270-x>
- 29 Scientific paper.** Obeso, I.; Wilkinson, L.; Rodríguez Oroz, MC.; Obeso, JA.; Jahanshahi, M.2013. Bilateral stimulation of the subthalamic nucleus has differential effects on reactive and proactive inhibition and conflict-induced slowing in Parkinson's disease. *Experimental brain research.* 226-3, pp.451-462. ISSN 1432-1106. <https://doi.org/10.1007/s00221-013-3457-9>
- 30 Scientific paper.** Alegre, M.; Lopez Azcarate, J.; Obeso, I.; et al; Obeso, JA.2013. The subthalamic nucleus is involved in successful inhibition in the stop-signal task: a local field potential study in Parkinson's disease. *Experimental neurology.* 239, pp.1-12. ISSN 1090-2430. <https://doi.org/10.1016/j.expneurol.2012.08.027>
- 31 Scientific paper.** Obeso, I.; Robles, N.; Marrón, EM.; Redolar Ripoll, D.2013. Dissociating the Role of the pre-SMA in Response Inhibition and Switching: A Combined Online and Offline TMS Approach. *Frontiers in Human Neuroscience.* 7, pp.150. ISSN 1662-5161. <https://doi.org/10.3389/fnhum.2013.00150>
- 32 Scientific paper.** Cho, SS.; Pellecchia, G.; Ko, JH.; Ray, N.; Obeso, I.; Houle, S.; Strafella, AP.2012. Effect of continuous theta burst stimulation of the right dorsolateral prefrontal cortex on cerebral blood flow changes during decision making. *Brain stimulation.* 5-2, pp.116-123. ISSN 1876-4754. <https://doi.org/10.1016/j.brs.2012.03.007>
- 33 Scientific paper.** Obeso, I.; Casabona, E.; Bringas, ML.; Alvarez, L.; Jahanshahi, M.2012. Semantic and phonemic verbal fluency in Parkinson's disease: Influence of clinical and demographic variables. *Behavioural neurology.* 25-2, pp.111-118. ISSN 1875-8584.
- 34 Scientific paper.** Obeso, I.; Wilkinson, L.; Jahanshahi, M.2011. Levodopa medication does not influence motor inhibition or conflict resolution in a conditional stop-signal task in Parkinson's disease. *Experimental brain research.* 213-4, pp.435-445. ISSN 1432-1106. <https://doi.org/10.1007/s00221-011-2793-x>

- 35 Scientific paper.** Obeso, I.; Wilkinson, L.; Casabona, E.; et al; Jahanshahi, M.2011. Deficits in inhibitory control and conflict resolution on cognitive and motor tasks in Parkinson's disease. *Experimental brain research*. 212-3, pp.371-384. ISSN 1432-1106. <https://doi.org/10.1007/s00221-011-2736-6>
- 36 Scientific paper.** Wilkinson, L.; Teo, JT.; Obeso, I.; Rothwell, JC.; Jahanshahi, M.2010. The contribution of primary motor cortex is essential for probabilistic implicit sequence learning: evidence from theta burst magnetic stimulation. *Journal of cognitive neuroscience*. 22-3, pp.427-436. ISSN 1530-8898. <https://doi.org/10.1162/jocn.2009.21208>
- 37 Review.** Trainee Advisory Committee (TAC) several authors; Ignacio Obeso Martin. 2020. The Next 50 Years of Neuroscience *Journal of Neuroscience*. 40-1, pp.101.
- 38 Review.** Hernández, LF.; Obeso, I.2016. A STOP signal to striatum mediated by globus pallidus: A new loop discovered. *Movement disorders : official journal of the Movement Disorder Society*. Wylie. 31-8, pp.1142. ISSN 1531-8257. <https://doi.org/10.1002/mds.26648>
- 39 Review.** Jahanshahi, M.; Obeso, I.; Rothwell, JC.; Obeso, JA.2015. A fronto-striato-subthalamic-pallidal network for goal-directed and habitual inhibition. *Nature Reviews Neuroscience*. Nature. 16-12, pp.719-732. ISSN 1471-0048. <https://doi.org/10.1038/nrn4038>
- 40 Review.** Jahanshahi, M.; Obeso, I.; Baunez, C.; Alegre, M.; Krack, P.2015. Parkinson's disease, the subthalamic nucleus, inhibition, and impulsivity. *Movement disorders : official journal of the Movement Disorder Society*. Wylie. 30-2, pp.128-140. ISSN 1531-8257. <https://doi.org/10.1002/mds.26049>

C.3. Research projects and contracts

- 1 Project.** Reducción vs. incremento del uso de conductas habituales: Revelando el origen de la lentitud motora e impulsividad en la enfermedad de Parkinson. Ignacio Obeso Martin. (Fundación de Investigación HM Hospitales). 01/01/2020-31/12/2023. 148.000 €.
- 2 Project.** Unraveling the mechanisms behind automatic and emotional control: psychophysiological, cortical excitability and functional connectivity measures. David Mata Marín. (Fundación de Investigación HM Hospitales). 01/01/2019-31/12/2021. 47.000 €.
- 3 Project.** Behavioural traces of Impulsivity in ICD. Comunidad de Madrid. Ignacio Obeso Martin. (Fundación de Investigación HM Hospitales). 01/03/2018-28/02/2019. 26.500 €.
- 4 Project.** pre-doctoral grant. Comunidad de Madrid. Ignacio Obeso Martin. (Fundación de Investigación HM Hospitales). 01/02/2018-31/01/2019. 26.000 €.
- 5 Project.** Estimulación transcraneal por campo magnético estático en la enfermedad de Parkinson- MINECO. MINECO. Ignacio Obeso Martin. (Fundación de Investigación HM Hospitales). 01/05/2018-01/2019. 181.500 €.
- 6 Project.** The Role of the Basal Ganglia in Cognition and Higher Motor Control as revealed by Stereotactic surgery.. The Royal Society. Ignacio Obeso. (Centro Internacional de Restauración Neurológica (CIREN)). 01/05/2007-30/04/2009. 338,9 €.