



Información de contacto:

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Academic degrees

- Degree in Biology, University of Barcelona (2010-2015).
Scholar year 2013-2014 done as ERASMUS in Albert-Ludwig Universität Freiburg, Germany
- Master in Neuroscience and Biology of Behaviour, University of Pablo de Olavide (2016)
- Master in High School and Languages Teaching, University of Cádiz (2017-2018)
- Ph.D. student in Health Sciences, Castilla la Mancha University (2020)

Languages

B2 English level, B2.1 German level.

Research Professional Experience

- Current position: technician and Ph.D. student, Hospital Nacional de Parapléjicos (HNP). SESCAM (Toledo).
- March-August 2019: technician associated to an investigation project, GNEC, HNP Foundation, SESCAM (Toledo). Project Spatial and temporal heterogeneity of neuronal plasticity provoked by a spinal cord injury". Reference: BFU2016-80665-P.

Scientific Publications:

Authors: Zaforas-Rodriguez M, M.Rosa J, Alonso-Calvino E, Fernández-López E, **Miguel-Quesada C**, Oliviero A, Aguilar J. Title: "Cortical layer-specific modulation of activity after sensory deprivation due to spinal cord injury", *preprintbioRxiv*: DOI: 10.1101/2020.12.28.424612.

Congress Presentations:

- Authors: Zaforas-Rodriguez M, Alonso-Calvino E, Fernández-López E, **Miguel-Quesada C**, Ferrer-Panes V, Oliviero A, Aguilar J. Title: “Spinal Cord Injury develops a layer-specific and time-dependent cortical reorganization. Poster Reference: 530, 12th Forum of Federation of European Neuroscience Societies. Virtual Forum. 11-15 July 2020.
- Authors: Rosa J.M, **Miguel-Quesada C**, Fernández-López E, Alonso-Calvino E, Zaforas-Rodriguez M, Ferrer-Panes V, Sánchez-Morales L, Aguilar J. Title: “Astrocytes modulate somatosensory L2/3 excitability after sensory deprivation “. Poster Reference: 526, 12th Forum of Federation of European Neuroscience Societies. Virtual Forum. 11-15 July 2020
- Authors: Zaforas-Rodriguez M, Alonso-Calvino E, Fernández-López E, **Miguel-Quesada C**, Ferrer-Panes V, Oliviero A, Aguilar J. Title: “Understanding Cortical Reorganization after Spinal Cord Injury” Poster Reference: 411, 18th National Congress of Spanish Neuroscience. 4-6 September. 2019. Santiago de Compostela, España.
- Authors: Baena D, **Miguel C**, Atienza Ruiz M, Cantero J.L. Title: “Effects of sleep lack on the electrophysiological correlates that occur during slow wave sleep”. III National Congress of Psychology, Oviedo, 3-7 de July, 2017; published in the summary book. ISBN: 978-84-947385-1-7-7.

Scientific-academic work

- Master Thesis: “Effects of sleep lack on the electrophysiological correlates that occur during slow wave sleep”. Performed on the Functional Neuroscience Laboratory, Pablo de Olavide University, 2016.
- Degree Thesis: “Inter-layer interactions in the rodent visual cortex”. Performed on the Berstein Center Freiburg, Albert-Ludwig Universität Freiburg (Germany). 2014. Read in the University of Barcelona (2015).

Additional Professional Experience

- Private English and Science teacher in WinnersAcademy (October 2016-October 2017)
- Private English teacher in CEIRE academy (October 2018-February 2019)