


Francisco Cervantes Constantino

Contact

Centro de Investigación Básica en Psicología, Universidad de la República (UdelaR)
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Education

University of Maryland, College Park. Neuroscience and Cognitive Science, PhD (2017)

Université Pierre et Marie Curie. Integrative biology and physiology, neuroscience specialization, Master (2011)

University College London. Brain and Mind Sciences, MSc (2010) – Distinction

Universidad de las Américas, Puebla. Physics, Lic. (2009) – Magna cum laude

Appointments

Docente G2 (Research associate). Centro de Investigación Básica en Psicología, UdelaR (2017 – present)

Docente G1 (Research assistant). Centro Interdisciplinario en Cognición para la Enseñanza y Aprendizaje, UdelaR (2017 – present)

Graduate research assistant. Department of Electrical and Computer Engineering, University of Maryland (2011-2017)

Research intern. Department of Cognitive Studies, Ecole normale supérieure (2011)

Publications

Cervantes Constantino F, Simon JZ (2018) The neural representation of missing speech and the influence of prior knowledge on cortical fidelity and latency. bioRxiv:251793 [\[doi\]](#)

Cervantes Constantino F, Villafañe-Delgado M, Camenga E, Dombrowski K, Walsh B, Simon JZ (2017) Functional significance of spectrotemporal response functions using magnetoencephalography. bioRxiv:168997 [\[doi\]](#)

Cervantes Constantino F, Simon JZ (2017) Dynamic cortical representations of perceptual filling-in for missing acoustic rhythm. Scientific Reports 7: 17536 [\[doi\]](#)

Cervantes Constantino F, Pinggera L, Chait M (2013) The role of sensitivity to transients in the detection of appearing and disappearing objects in complex acoustic scenes. In *Basic Aspects of Hearing Vol. 787 Advances in Experimental Medicine and Biology* (Moore BCJ et al., eds.) p.p. 183-192. New York: Springer.

Cervantes Constantino F, Pinggera L, Paranamana S, Kashino M, Chait M (2012) Detection of appearing and disappearing objects in complex acoustic scenes. PLoS ONE 7(9): e46167.

Lozano A, Mireles V, Monsivais D, Stephens CR, Alcalá SA, Cervantes F (2009). Building blocks and search. In: *MICAI 2009 Advances in Artificial Intelligence* (Aguirre AH, Borja RM, García CAR, eds.), Vol. 5845. Springer.

Honors and awards

Graduate Student Travel Award, Association for Research in Otolaryngology (2016)

Becas al extranjero, Consejo Nacional de Ciencia y Tecnología, Mexico (2011-2016)

UCL Abbey Masters scholarship, Abbey, UK (2009)

Beca de movilidad Santander-Universia, Grupo Financiero Santander-Serfín (2007)

Workshops

University of Maryland - Universität Tübingen Field Course in Animal Communication, Smithsonian Tropical Research Institute. Barro Colorado Panama (2016)

Telluride Neuromorphic Cognition Engineering Workshop, Institute of Neuromorphic Engineering, Telluride, CO (2015)

International Science Summer School, Institute for Continuing Education. Cambridge UK (2008)

Presentations

Cervantes Constantino F, Simon JZ (2017) Neural representations of restored acoustic rhythm in noise. Acoustics '17; 25-29 June; Boston, MA [\[doi\]](#) – invited

Cervantes Constantino F, Simon JZ (2016) Top-down neural synchronization during imagined acoustic rhythm. MidWinter Meeting of the Association for Research in Otolaryngology; February 20-24; San Diego, CA.

Posters

Cervantes Constantino F, Simon JZ (2017) The magnetoencephalographic spectro-temporal response function in auditory cortex. MidWinter Meeting of the Association for Research in Otolaryngology; February 11-15; Baltimore, MD.

Cervantes Constantino F, Simon JZ (2016) The magnetoencephalographic spectro-temporal response function in auditory cortex. NIH-MEG North America Workshop; November 1-2; Bethesda, MD.

Cervantes Constantino F, Simon JZ (2015) Neural rhythm synchronizes with imagined acoustic rhythm. 7th International Workshop of Statistical Analysis of Neuronal Data; May 27-29; Pittsburgh, PA.

Cervantes Constantino F, Hong LE, Simon JZ (2014) Abnormal low-frequency auditory locking: towards an all-inclusive phenomenology of schizophrenia. Greater Baltimore Chapter Society for Neuroscience Annual Meeting; December 2; Baltimore, MD.

Cervantes Constantino F, Simon JZ (2013) Assessing sensory evidence via auditory cortex steady-state responses. Greater Baltimore Chapter Society for Neuroscience Annual Meeting; November 20; Baltimore, MD.

Camenga E, Dombrowski K, Walsh B, Cervantes Constantino F, Puvvada K, Villafañe-Delgado M, Simon JZ (2013) Cortical representations of music in human listeners. Association for Research in Otolaryngology Annual MidWinter Meeting; February 16-20; Baltimore, MD.

Chait M, Cervantes Constantino F, Kashino M (2011) Differential sensitivity to appearing and disappearing objects in complex acoustic scenes. Tucker-Davis Symposium on Advances and Perspectives in Auditory Neurophysiology; November 11; Washington DC.

Service

Webmaster, Terrapin Tango Festival, UMD 2017

Graduate student member, Student Conduct Committee, University Senate, UMD 2015-2016

Tutor, Maryland English Institute, and AmericaReads*AmericaCounts, 2011-2012

**Other
professional
activity**

Consultant, Ingenious Softworks, Uruguay (2017-present)

Languages

Spanish (native); English (full professional proficiency); French (intermediate proficiency)