CURRICULUM VITAE

PERSONAL INFORMATION

Name: José Vergara de la Fuente   **Birth date:** July 2, 1984

Nationality: Mexican   **E-mail:** josevergaradelafuente@
                                                          yahoo.com.mx

RESEARCH EXPERIENCE & TRAINING

2019 – Present **Postdoctoral Associate.** Baylor College of Medicine. Huston, Texas.
Advisor: Jeffrey M. Yau, Ph.D.

EDUCATION

2011 – 2019 **Ph.D. in Biomedical Science.** National Autonomous University of Mexico. City of México, México.
Advisor: Ranulfo Romo Trujillo, Ph.D. M.D.
Thesis: Neural correlates of tactile and acoustic integration in the frontal lobe.

2002 – 2009 **BSc in Chemistry Pharmaco-Biology.** Faculty of Chemistry Sciences. Benemerita Autonomous University of Puebla. Puebla, México.
Advisors: Isabel Martínez García, Ph.D. & Jorge Flores Hernández, Ph.D.
Thesis: Effect of reinforcement learning on NMDA-currents in dentate gyrus granule cells.

ATTENDED COURSES

2016 Cajal Course in Computational Neuroscience. Champalimaud Centre for the Unknown. 7-27, August. Lisbon, Portugal

ACADEMIC EXPERIENCE

2013 – 2019 Course Lecturer. Faculty of Chemistry, National Autonomous University of Mexico. City of México, México.
Course: Physiology.

SCHOLARSHIPS

2022 – 2023   Scholarship for Postdoctoral Studies in Foreign Research or Academic Institutions, awarded by the Mexico City Secretary of Education, Science, Technology and Innovation (SECTEI, CDMX, México)

2010 – 2015   Scholarship for Ph. D. studies in México, awarded by the National Council of Science and Technology (CONACYT, México)

PUBLICATIONS

1. Melchor J, **Vergara J**, Figueroa T, Morán I, Lemus L. (2021) Formant-based Recognition of Words and Other Naturalistic Sounds in Rhesus Monkeys. Front Neurosci. doi: 10.3389/fnins.2021.728686

2. Rossi-Pool R, **Vergara J,** Romo R. The memory map of visual space. (2018) Trends Neurosci. 41(3): 117-120.

3. Haegens S, **Vergara J,** Rossi-Pool R, Lemus L, Romo R. (2017) Beta oscillations reflect supramodal information during perceptual judgment. Proc Natl Acad Sci U S A. 114(52): 13810-13815.

4. Rossi-Pool R, Zainos A, Alvarez M, Zizumbo J, **Vergara J,** Romo R. (2017) Decoding a decision process in the neuronal population of dorsal premotor cortex. Neuron. 96(6): 1432-1446.

5. Rossi-Pool R, Salinas E, Zainos A, Alvarez M, **Vergara J,** Parga N, Romo R. (2016) Emergence of an abstract categorical code enabling the discrimination of temporally structured tactile stimuli. Proc Natl Acad Sci U S A. 113(49): E7966-E7975.

6. **Vergara J**, Rivera N, Rossi-Pool R, Romo R. (2016) A neural parametric code for storing information of more than one sensory modality in working memory. Neuron. 89(1): 54-62.

INVITED LECTURES AND PRESENTATIONS

2017   **Minisymposia: Good vibrations: genetic, neural, and behavioral links between auditory and tactile perception.**

Where and how in the brain do single neurons process more than one sensory modality during perceptual judgments?

Society for Neuroscience Annual Meeting. Chicago, USA

2016   **Spring Graduate Conferences**.

How neurons touch and hear?

Faculty of Chemistry Sciences, Benemerita Autonomous University of Puebla. Puebla, México.

POSTERS PRESENTED AT INTERNATIONAL MEETINGS

2022　　　**6th International Human Single Neuron Meeting**

Characterization of single unit and local field potential responses during bimanual touch in human somatosensory cortex

Vergara J., Bartoli E., Nickl R.W., Cantarero G.L., Fifer M.S., Tenore F., Celnik P. A., Yau J. M

2012　　　**I Congress FALAN (Federation of Neuroscience Societies in Latin American, the Caribbean and the Iberian Peninsula).**

Do single primate medial premotor cortex neurons process more than one sensory modality during perceptual judgments?

José Vergara, Natsuko Rivera & Ranulfo Romo