Mateo López Espejo

lopezesp@ohsu.edu · +1 503-847-0401

Laboratory of Brain Hearing and Behavior
Oregon Hearing Research Center
Oregon Health and Science University
3181 S.W. Sam Jackson Park Road, Portland, OR, 97239

EDUCATION

Oregon Health and Science University (OHSU), Portland, OR — *2016 to Present*
Neuroscience, Ph.D

Universidad Nacional de Colombia (UNAL), Bogota, Colombia — *2010 to 2015*
Biology, B.S.

SCIENTIFIC SKILLS

Laboratory proficiencies: In-vivo electrophysiology, *in-vitro* electrophysiology, spike sorting, multi-unit data analysis, multi-electrode array recording, patch clamp electrophysiology, steril surgery, histology, cloning and basic molecular biology, basic electronics.

Computer proficiencies: Python, MATLAB, MySQL
Additional Tools: Git, Linux, LaTeX

RESEARCH EXPERIENCE

Doctoral Student – Dr. Stephen David, OHSU — *2017 to Present*
Undergraduate Research Assistant – Dr. Enrico Nasi Lignarolo, UNAL — *2013 to 2015*

AWARDS AND FELLOWSHIPS

Promising scholar award, Center for Diversity and Inclusion, OHSU — *2016*
Best admission exams for Biology, B.S, UNAL — *2010*

TEACHING EXPERIENCE

Systems Neuroscience, TA, OHSU — *2017*
Microbiology, TA, UNAL — *2015*
Animal physiology, TA, UNAL — *2014*

COMMUNITY OUTREACH

Alliance for Visible Diversity in Science, Events Chair — *2019 to 2021*

PROFESSIONAL MEMBERSHIP

Society for Neuroscience — *2019 to Present*

PUBLICATIONS

Lopez Espejo, M, Schwartz Z. P., & David, S. V. (2019). Spectral tuning of adaptation supports coding of sensory context in auditory cortex. PLoS Comput Biol 15(10): e1007430. https://doi.org/10.1371/journal.pcbi.1007430.

SELECTED ABSTRACTS

López Espejo M., David, S. V. Differential temporal modulation tuning in auditory responses between inhibitory and excitatory neurons in ferret auditory cortex. Chicago, Il: Society for Neuroscience (SFN), 2021.

Heller C. R., Saderi D, **López Espejo M.**, David, S. V. Task engagement selectively enhances population discrimination of behavior-relevant categories in primary auditory cortex. Denver, CO: Computational and Systems Neuroscience (COSYNE), 2020

López Espejo M., David, S. V. Long lasting contextual discrimination in non primary auditory cortex. Chicago Il: Advances and Perspectives in Auditory Neuroscience (APAN), 2019.

Prieto J.D., **López Espejo M.**, Gómez M., & Nasi E. A phototransduction complex in the retina of squid: generality of the transducisome for light signaling. Buenos Aires, Argentina: Congreso latinoamericano de neurociencias, 2017.