Stanford



Nerea Jimenez Tellez

Postdoctoral Scholar, Cardiovascular Institute

Bio

BIO

Nerea is a Postdoctoral Scholar at Dr. Joseph Wu's lab. She earned her Bachelor's degree in Biochemistry at Universidad Complutense de Madrid (Spain). She was in an exchange program at the University of Saskatchewan (Canada) where she completed her Honours Thesis project on the Regulation of the Metastasis Suppressor Protein CREB3L1 in Dr. Deborah H Anderson's lab. She received her Masters' degree at Universidad de Alcalá (Spain) working at Dr. Isabel Liste Noya's lab on The role of p27Kip1 in the pluripotency and differentiation of dopaminergic neurons. She obtained her Ph.D. in Dr. Naweed Syed's lab studying the Cellular and molecular mechanisms underlying anesthetic-induced cytotoxicity, and their impact on learning and memory. She currently holds an ATRAC Postdoctoral Fellowship (Sept 2022-Aug 2023) titled "Toxicoepigenetic Effects of E-cigarette Exposure Using human iPSC-derived Organoids".

HONORS AND AWARDS

- CVI Travel Award, Stanford Cardiovascular Institute (May 2023)
- AHA Postdoctoral Fellowship, American Heart Association (April 2023)
- ATRAC postdoctoral fellowship, AHA Tobacco Center for Regulatory Science (Sept 2022)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Calgary (2022)
- Master of Science, Universidad De Alcala De Henares (2017)
- Bachelor of Science, Universidad Complutense Madrid (2016)
- BSc, Universidad Complutense de Madrid, University of Saskatchewan, Biochemistry, Cancer (2016)
- MSc, Universidad de Alcalá, Stem cells, Parkinson's Disease (2017)
- PhD, University of Calgary , Anesthetics, neuroscience (2022)

STANFORD ADVISORS

• Joseph Wu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

Addressing Cardiovascular Toxicity Risk of Electronic Nicotine Delivery Systems in the Twenty-First Century: "What Are the Tools Needed for the Job?" and "Do We Have Them?". Cardiovascular toxicology
Cheedy, M., Hill, T., Jimeneg Telleg, N., Wy, L.C., Sarles, S. F., Hansel, F., Wang, O., Bakman, L., Cardiia, D. J.

Chandy, M., Hill, T., Jimenez-Tellez, N., Wu, J. C., Sarles, S. E., Hensel, E., Wang, Q., Rahman, I., Conklin, D. J. 2024

• Exploring the Impact of Partial Occlusion on Emotion Classification From Facial Expressions: A Comparative Study of XR Headsets and Face Masks IEEE Access

Casas-Ortiz, A., Echeverria, J., Jimenez-Tellez, N., Santos, O. C. 2024; 12: 44613 - 44627

Sevoflurane Exposure in Neonates Perturbs the Expression Patterns of Specific Genes That May Underly the Observed Learning and Memory Deficits. International journal of molecular sciences

Jimenez-Tellez, N., Pehar, M., Visser, F., Casas-Ortiz, A., Rice, T., Syed, N. I. 2023; 24 (10)

- Dexmedetomidine Pre-Treatment of Neonatal Rats Prevents Sevoflurane-Induced Deficits in Learning and Memory in the Adult Animals. Biomedicines Jimenez-Tellez, N., Pehar, M., Iqbal, F., Casas-Ortiz, A., Rice, T., Syed, N. I. 2023; 11 (2)
- Generation of two iPSC lines from long QT syndrome patients carrying SNTA1 variants. Stem cell research Jimenez-Tellez, N., Vera, C. D., Yildirim, Z., Vicente Guevara, J., Zhang, T., Wu, J. C. 2022; 66: 103003
- Dexmedetomidine does not compromise neuronal viability, synaptic connectivity, learning and memory in a rodent model SCIENTIFIC REPORTS Jimenez-Tellez, N., Iqbal, F., Pehar, M., Casas-Ortiz, A., Rice, T., Syed, N. 2021; 11 (1): 16153
- A synthetic peptide rescues rat cortical neurons from anesthetic-induced cell death, perturbation of growth and synaptic assembly SCIENTIFIC REPORTS Iqbal, F., Pehar, M., Thompson, A. J., Azeem, U., Jahanbakhsh, K., Jimenez-Tellez, N., Sabouny, R., Batool, S., Syeda, A., Chow, J., Machiraju, P., Shutt, T., Yusuf, et al

2021; 11 (1): 4567

• SS-31 Peptide Reverses the Mitochondrial Fragmentation Present in Fibroblasts From Patients With DCMA, a Mitochondrial Cardiomyopathy FRONTIERS IN CARDIOVASCULAR MEDICINE

Machiraju, P., Wang, X., Sabouny, R., Huang, J., Zhao, T., Iqbal, F., King, M., Prasher, D., Lodha, A., Jimenez-Tellez, N., Ravandi, A., Argiropoulos, B., Sinasac, et al

2019; 6: 167

• Cellular models for human cardiomyopathy: What is the best option? WORLD JOURNAL OF CARDIOLOGY

Jimenez-Tellez, N., Greenway, S. C. 2019; 11 (10): 221-235