



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.

PROFESSIONAL EDUCATION

- 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 (2021)

STANFORD ADVISORS

- Joseph Wu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **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