



Matine Makaan'i Azadian

- MD Student, expected graduation Spring 2029
- Ph.D. Student in Neurosciences, admitted Autumn 2019

Bio

BIO

Current student in the Stanford Neurosciences Interdepartmental Program (IDP).

HONORS AND AWARDS

- Predoctoral Fellow, Ford Foundation, National Academy of Sciences (2021)
- Science and Technology Fellow, United States Coast Guard (2020)
- Future Leader in Science, Sanofi Institut Pasteur Award (2017)
- U.S. Presidential Champion of Change, The White House, Obama Administration (2016)
- Chancellor's Award of Distinction, University of California (2016)
- Highest Achievement in Academic Excellence, University of California (2016)
- Excellence in Research Distinction, University of California (2016)
- Academic Scholarship, Anthem Blue Cross (2014)
- Named One of 10 Students Who Will Change the World, University of California (2014)
- Endowed Research Award, Bill and Melinda Gates Foundation (2013)

EDUCATION AND CERTIFICATIONS

- B.A., University of California at Irvine , Anthropology (2017)

Research & Scholarship

CURRENT CLINICAL INTERESTS

- Medical Translational Research
- Neurosurgery

Publications

PUBLICATIONS

- **Sex dependence of opioid-mediated responses to subanesthetic ketamine in rats.** *Nature communications*
Di Ianni, T., Ewbank, S. N., Levinstein, M. R., Azadian, M. M., Budinich, R. C., Michaelides, M., Airan, R. D.
2024; 15 (1): 893
- **Wirelessly Powered-Electrically Conductive Polymer System for Stem Cell Enhanced Stroke Recovery** *ADVANCED ELECTRONIC MATERIALS*
Santhanam, S., Chen, C., Oh, B., McConnell, K. W., Azadian, M. M., Patel, J. J., Gardner, E. E., Tanabe, Y., Poon, A. Y., George, P. M.

2023

- **Noninvasive ultrasonic induction of cerebrospinal fluid flow enhances intrathecal drug delivery.** *Journal of controlled release : official journal of the Controlled Release Society*

Aryal, M., Azadian, M. M., Hart, A. R., Macedo, N., Zhou, Q., Rosenthal, E. L., Airan, R. D.

2022

- **Electrical modulation of transplanted stem cells improves functional recovery in a rodent model of stroke.** *Nature communications*

Oh, B., Santhanam, S., Azadian, M., Swaminathan, V., Lee, A. G., McConnell, K. W., Levinson, A., Song, S., Patel, J. J., Gardner, E. E., George, P. M.

2022; 13 (1): 1366

- **Conducting polymer-based granular hydrogels for injectable 3D cell scaffolds.** *Advanced materials technologies*

Feig, V. R., Santhanam, S., McConnell, K. W., Liu, K., Azadian, M., Brunel, L. G., Huang, Z., Tran, H., George, P. M., Bao, Z.

2021; 6 (6)

- **Overnight Caloric Restriction Prior to Cardiac Arrest and Resuscitation Leads to Improved Survival and Neurological Outcome in a Rodent Model.** *Frontiers in neuroscience*

Azadian, M., Tian, G., Bazrafkan, A., Maki, N., Rafi, M., Chetty, N., Desai, M., Otarola, I., Aguirre, F., Zaher, S. M., Khan, A., Suri, Y., Wang, et al

2020; 14: 609670

- **Adolescent Vulnerability to Heightened Emotional Reactivity and Anxiety After Brief Exposure to an Obesogenic Diet.** *Frontiers in neuroscience*

Vega-Torres, J. D., Azadian, M., Rios-Orsini, R. A., Reyes-Rivera, A. L., Ontiveros-Angel, P., Figueroa, J. D.

2020; 14: 562

- **Recovery from Coma Post-Cardiac Arrest Is Dependent on the Orexin Pathway** *JOURNAL OF NEUROTRAUMA*

Kang, Y., Tian, G., Bazrafkan, A., Farahabadi, M. H., Azadian, M., Abbasi, H., Shamaoun, B. E., Steward, O., Akbari, Y.

2017; 34 (19): 2823–32