



Sebastian Toro Arana

Ph.D. Student in Biology, admitted Autumn 2020

Research & Scholarship

LAB AFFILIATIONS

- Moises Exposito-Alonso, Moi Lab (7/1/2021)

Publications

PUBLICATIONS

- **Genetic diversity loss in the Anthropocene.** *Science (New York, N.Y.)*
Exposito-Alonso, M., Booker, T. R., Czech, L., Gillespie, L., Hateley, S., Kyriazis, C. C., Lang, P. L., Leventhal, L., Nogues-Bravo, D., Pagowski, V., Ruffley, M., Spence, J. P., Toro Arana, et al
2022; 377 (6613): 1431-1435
- **Striosomes Mediate Value-Based Learning Vulnerable in Age and a Huntington's Disease Model.** *Cell*
Friedman, A. n., Hueske, E. n., Drammis, S. M., Toro Arana, S. E., Nelson, E. D., Carter, C. W., Delcasso, S. n., Rodriguez, R. X., Lutwak, H. n., DiMarco, K. S., Zhang, Q. n., Rakocevic, L. I., Hu, et al
2020
- **Chronic Stress Alters Striosome-Circuit Dynamics, Leading to Aberrant Decision-Making** *CELL*
Friedman, A., Homma, D., Bloem, B., Gibb, L. G., Amemori, K., Hu, D., Delcasso, S., Truong, T. F., Yang, J., Hood, A. S., Mikofalvy, K. A., Beck, D. W., Nguyen, et al
2017; 171 (5): 1191-+
- **Analysis of complex neural circuits with nonlinear multidimensional hidden state models** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Friedman, A., Slocum, J. F., Tyulmankov, D., Gibb, L. G., Altshuler, A., Ruangwises, S., Shi, Q., Arana, S., Beck, D. W., Sholes, J. E. C., Graybiel, A. M.
2016; 113 (23): 6538-43