

Stanford



Yuki Miura

Basic Life Research Scientist, Psychiatry and Behavioral Sciences - Sleep Medicine

SUPERVISORS

- Sergiu Pasca

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- TAA Young Investigator Award, Tourette Association of America (2021)
- Bio-X Star Mentor Award, Stanford Bio-X Undergraduate Summer Research Program (2021)
- Stanford Maternal and Child Health Research Institute (MCHRI) Postdoctoral Support, Stanford Maternal and Child Health Research Institute (MCHRI) (2020-2021)
- School of Medicine Dean's Postdoctoral Fellowship, Stanford University School of Medicine (2017-2018)
- Special Fellow, University of Tsukuba (2012-2017)

PROFESSIONAL EDUCATION

- Ph.D., University of Tsukuba , Human Biology (2017)
- B.S., University of Tsukuba , Medical Sciences (2011)

LINKS

- Google Scholar#: <https://scholar.google.com/citations?user=OqWZyLIAAAAJ&hl=en>

Research & Scholarship

LAB AFFILIATIONS

- Sergiu Pasca, Pasca Lab (4/1/2017)

Publications

PUBLICATIONS

- **Engineering brain assembloids to interrogate human neural circuits.** *Nature protocols*
Miura, Y., Li, M. Y., Revah, O., Yoon, S. J., Narazaki, G., Pasca, S. P.
2022
- **Generation of human striatal organoids and cortico-striatal assembloids from human pluripotent stem cells.** *Nature biotechnology*
Miura, Y. n., Li, M. Y., Birey, F. n., Ikeda, K. n., Revah, O. n., Thete, M. V., Park, J. Y., Puno, A. n., Lee, S. H., Porteus, M. H., Pasca, S. P.

2020; 38 (12): 1421–30

- **Primate cell fusion disentangles gene regulatory divergence in neurodevelopment.** *Nature*
Agoglia, R. M., Sun, D. n., Birey, F. n., Yoon, S. J., Miura, Y. n., Sabatini, K. n., Pa#ca, S. P., Fraser, H. B.
2021
- **Mapping human brain organoids on a spatial atlas.** *Cell stem cell*
Miura, Y., Pa#ca, S. P.
2021; 28 (6): 983-984
- **Generation of Functional Human 3D Cortico-Motor Assembloids.** *Cell*
Andersen, J. n., Revah, O. n., Miura, Y. n., Thom, N. n., Amin, N. D., Kelley, K. W., Singh, M. n., Chen, X. n., Thete, M. V., Walczak, E. M., Vogel, H. n., Fan, H. C., Pa#ca, et al
2020
- **Polarizing brain organoids.** *Nature biotechnology*
Miura, Y. n., Pa#ca, S. P.
2019
- **Reliability of human cortical organoid generation.** *Nature methods*
Yoon, S. J., Elahi, L. S., Pa#ca, A. M., Marton, R. M., Gordon, A. n., Revah, O. n., Miura, Y. n., Walczak, E. M., Holdgate, G. M., Fan, H. C., Huguenard, J. R., Geschwind, D. H., Pa#ca, et al
2019; 16 (1): 75–78
- **Differentiation and maturation of oligodendrocytes in human three-dimensional neural cultures.** *Nature neuroscience*
Marton, R. M., Miura, Y. n., Sloan, S. A., Li, Q. n., Revah, O. n., Levy, R. J., Huguenard, J. R., Pa#ca, S. P.
2019
- **Physiological function of phospholipase D2 in anti-tumor immunity: regulation of CD8+ T lymphocyte proliferation.** *Scientific reports*
Ngo Thai Bich, V., Hongu, T., Miura, Y., Katagiri, N., Ohbayashi, N., Yamashita-Kanemaru, Y., Shibuya, A., Funakoshi, Y., Kanaho, Y.
2018; 8 (1): 6283
- **ACAP3, the GTPase-activating protein specific to the small GTPase Arf6, regulates neuronal migration in the developing cerebral cortex.** *Biochemical and biophysical research communications*
Miura, Y., Kanaho, Y.
2017
- **The small G protein Arf6 expressed in keratinocytes by HGF stimulation is a regulator for skin wound healing.** *Scientific reports*
Miura, Y., Ngo Thai Bich, V., Furuya, M., Hasegawa, H., Takahashi, S., Katagiri, N., Hongu, T., Funakoshi, Y., Ohbayashi, N., Kanaho, Y.
2017; 7: 46649
- **Machineries regulating the activity of the small GTPase Arf6 in cancer cells are potential targets for developing innovative anti-cancer drugs.** *Advances in biological regulation*
Yamauchi, Y., Miura, Y., Kanaho, Y.
2016
- **ACAP3 regulates neurite outgrowth through its GAP activity specific to Arf6 in mouse hippocampal neurons.** *Biochemical journal*
Miura, Y., Hongu, T., Yamauchi, Y., Funakoshi, Y., Katagiri, N., Ohbayashi, N., Kanaho, Y.
2016; 473 (17): 2591-2602