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Publications

PUBLICATIONS

- **Human neuromodulatory assembloids to study serotonin signaling and disease.** *bioRxiv : the preprint server for biology*
Kanton, S., Meng, X., Dong, C., Birey, F., Wang, D., Reis, N., Yoon, S. J., Kim, J. I., McQueen, J. P., Sakai, N., Nishino, S., Huguenard, J. R., Paşca, et al
2026
- **CRISPR screens in human neural organoids and assembloids.** *Nature protocols*
Meng, X., Reis, N., Bassik, M. C., Paşca, S. P.
2025
- **Midline assembloids reveal regulators of human axon guidance.** *Science (New York, N.Y.)*
Onesto, M. M., Amin, N. D., Pan, C., Chen, X., Kim, J. I., Reis, N., Kanton, S., Valencia, A. M., Hudacova, Z., McQueen, J. P., Tessier-Lavigne, M., Paşca, S. P.
2025; 389 (6757): 282-289
- **Generating human neural diversity with a multiplexed morphogen screen in organoids.** *Cell stem cell*
Amin, N. D., Kelley, K. W., Kaganovsky, K., Onesto, M., Hao, J., Miura, Y., McQueen, J. P., Reis, N., Narazaki, G., Li, T., Kulkarni, S., Pavlov, S., Paşca, et al
2024; 31 (12): 1831-1846.e9
- **Antisense oligonucleotide therapeutic approach for Timothy syndrome.** *Nature*
Chen, X., Birey, F., Li, M. Y., Revah, O., Levy, R., Thete, M. V., Reis, N., Kaganovsky, K., Onesto, M., Sakai, N., Hudacova, Z., Hao, J., Meng, et al
2024; 628 (8009): 818-825
- **Assembloid CRISPR screens reveal impact of disease genes in human neurodevelopment.** *Nature*
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2023
- **Mechanisms of innate and adaptive immunity to the Pfizer-BioNTech BNT162b2 vaccine.** *Nature immunology*
Li, C., Lee, A., Grigoryan, L., Arunachalam, P. S., Scott, M. K., Trisal, M., Wimmers, F., Sanyal, M., Weidenbacher, P. A., Feng, Y., Adamska, J. Z., Valore, E., Wang, et al
2022
- **Durability of immune responses to the BNT162b2 mRNA vaccine** *MED*
Suthar, M. S., Arunachalam, P. S., Hu, M., Reis, N., Trisal, M., Raeber, O., Chinthrajah, S., Davis-Gardner, M. E., Manning, K., Mudvari, P., Boritz, E., Godbole, S., Henry, et al
2022; 3 (1): 25-27