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Publications

PUBLICATIONS

- **Whole-genome 3D architectural screen reveals modulators of brain DNA structure.** *bioRxiv : the preprint server for biology*
Parasar, B., Venkatesh, A. R., Perera, J., Sosnick, L., Moghadami, S., Seo, Y., Shi, J., Chan, L., Takenawa, S., Akiyama, T., Sianto, O., Uenaka, T., Hadjipanayis, et al
2026
- **Prevention of transgene silencing during human pluripotent stem cell differentiation.** *Cell stem cell*
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2026
- **Defined human tri-lineage brain microtissues.** *bioRxiv : the preprint server for biology*
Uenaka, T., Jung, S., Kumar, I., Vodehnal, K., Rastogi, M., Yoo, Y., Koontz, M., Thome, C., Li, W., Chan, T., Green, E. M., Chesnov, K., Sun, et al
2025
- **Therapeutic genetic restoration through allogeneic brain microglia replacement.** *Nature*
Mader, M. M., Scavetti, A., Yoo, Y., Chai, A. T., Uenaka, T., Wernig, M.
2025
- **High-resolution dynamic imaging of chromatin DNA communication using Oligo-LiveFISH.** *Cell*
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2025
- **Restoring hippocampal glucose metabolism rescues cognition across Alzheimer's disease pathologies.** *Science (New York, N.Y.)*
Minhas, P. S., Jones, J. R., Latif-Hernandez, A., Sugiura, Y., Durairaj, A. S., Wang, Q., Mhatre, S. D., Uenaka, T., Crapser, J., Conley, T., Ennerfelt, H., Jung, Y. J., Liu, et al
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- **Stress response silencing by an E3 ligase mutated in neurodegeneration.** *Nature*
Haakonsen, D. L., Heider, M., Ingersoll, A. J., Vodehnal, K., Witus, S. R., Uenaka, T., Wernig, M., Rapé, M.
2024
- **Endocytosis in the axon initial segment maintains neuronal polarity.** *Nature*
Eichel, K., Uenaka, T., Belapurkar, V., Lu, R., Cheng, S., Pak, J. S., Taylor, C. A., Sudhof, T. C., Malenka, R., Wernig, M., Ozkan, E., Perrais, D., Shen, et al
2022
- **In silico drug screening by using genome-wide association study data repurposed dabrafenib, an anti-melanoma drug, for Parkinson's disease** *HUMAN MOLECULAR GENETICS*
Uenaka, T., Satake, W., Cha, P., Hayakawa, H., Baba, K., Jiang, S., Kobayashi, K., Kanagawa, M., Okada, Y., Mochizuki, H., Toda, T.
2018; 27 (22): 3974–85
- **Japanese WDR45 de novo mutation diagnosed by exome analysis: A case report** *NEUROLOGY AND CLINICAL NEUROSCIENCE*
Endo, H., Uenaka, T., Satake, W., Suzuki, Y., Tachibana, H., Chihara, N., Ueda, T., Sekiguchi, K., Mariko, T., Kowa, H., Kanda, F., Toda, T.
2017; 5 (4): 131–33
- **Less Limb Muscle Involvement in Myositis Patients with Anti-Mitochondrial Antibodies** *EUROPEAN NEUROLOGY*

Uenaka, T., Kowa, H., Ohtsuka, Y., Seki, T., Sekiguchi, K., Kanda, F., Toda, T.
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● **[Medial longitudinal fasciculus (MLF) syndrome in a patient with giant cell arteritis].** *Rinsho shinkeigaku = Clinical neurology*

Uenaka, T., Hamaguchi, H., Sekiguchi, K., Kowa, H., Kanda, F., Toda, T.
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● **Myositis with antimitochondrial antibodies diagnosed by rectus abdominis muscle biopsy** *MUSCLE & NERVE*

Uenaka, T., Kowa, H., Sekiguchi, K., Nagata, K., Ohtsuka, Y., Kanda, F., Toda, T.
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● **[Reversible cerebral vasoconstriction syndrome in a stroke patient with systemic lupus erythematosus and antiphospholipid antibody].** *Rinsho shinkeigaku = Clinical neurology*

Uenaka, T., Hamaguchi, H., Sekiguchi, K., Kowa, H., Kanda, F., Toda, T.
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● **Brain Imaging Modality before Systemic Thrombolysis for Ischemic Stroke within Three Hours** *EUROPEAN NEUROLOGY*

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