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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*
  Uenaka, T., Napole, A., Saha, A. D., Sun, D., Singavarapu, A., Calzada, E., Chen, J., Erlebach, L., McQuade, A., Ramos, D. M., Rigamonti, A., Salazar, L., Samelson, et al
  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*
  Zhu, Y., Balaji, A., Han, M., Andronov, L., Roy, A. R., Wei, Z., Chen, C., Miles, L., Cai, S., Gu, Z., Tse, A., Yu, B. C., Uenaka, et al
  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
  2024; 385 (6711): eabm6131

- **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.
  2017; 78 (5-6): 290–95
- **Radiographic occult cerebellar germinoma presenting with progressive ataxia and cranial nerve palsy** *BMC NEUROLOGY*
  Minami, N., Tanaka, K., Kimura, H., Hirose, T., Mori, T., Maeyama, M., Sekiya, H., Uenaka, T., Nakamizo, S., Nagashima, H., Mizukawa, K., Itoh, T., Sasayama, et al
  2016; 16: 4
- **[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.
  2015; 55 (2): 107–10
- **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.
  2013; 47 (5): 766–68
- **[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.
  2013; 53 (4): 283–86
- **Brain Imaging Modality before Systemic Thrombolysis for Ischemic Stroke within Three Hours** *EUROPEAN NEUROLOGY*
  Uenaka, T., Yoneda, Y., Yamamoto, S., Hara, Y., Yamashita, H.
  2010; 64 (4): 241–45