

Stanford



Wendy Wenderski

Postdoctoral Scholar, Bioengineering

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Stanford University , DBIO-PHD (2022)
- M.A., CUNY- Hunter College , Biology (2014)
- B.S., University of California, Santa Barbara , Molecular, Cellular, and Developmental Biology (2007)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Molecular mechanisms of chromatin remodeling by the BAF complex.

LAB AFFILIATIONS

- Karl Deisseroth, Deisseroth (3/1/2022)

Publications

PUBLICATIONS

- **Synaptic activity causes minute-scale changes in BAF complex composition and function.** *Molecular cell*
Gourisankar, S., Nettles, S. A., Wenderski, W., Paulo, J. A., Kim, S. H., Roepke, K. C., Ellis, C., Abuzaid, H. Z., Gygi, S. P., Crabtree, G. R.
2025
- **Context-specific functions of chromatin remodellers in development and disease.** *Nature reviews. Genetics*
Gourisankar, S., Krokhotin, A., Wenderski, W., Crabtree, G. R.
2023
- **Author Correction: Rewiring cancer drivers to activate apoptosis.** *Nature*
Gourisankar, S., Krokhotin, A., Ji, W., Liu, X., Chang, C. Y., Kim, S. H., Li, Z., Wenderski, W., Simanauskaite, J. M., Yang, H., Vogel, H., Zhang, T., Green, et al
2023
- **Rewiring cancer drivers to activate apoptosis.** *Nature*
Gourisankar, S., Krokhotin, A., Ji, W., Liu, X., Chang, C., Kim, S. H., Li, Z., Wenderski, W., Simanauskaite, J. M., Yang, H., Vogel, H., Zhang, T., Green, et al
2023
- **Rescue of deficits by Brwd1 copy number restoration in the Ts65Dn mouse model of Down syndrome.** *Nature communications*
Fulton, S. L., Wenderski, W., Lepack, A. E., Eagle, A. L., Fanutza, T., Bastle, R. M., Ramakrishnan, A., Hays, E. C., Neal, A., Bendl, J., Farrelly, L. A., Al-Kachak, A., Lyu, et al
2022; 13 (1): 6384

- **Systemic enhancement of serotonin signaling reverses social deficits in multiple mouse models for ASD.** *Neuropsychopharmacology* : official publication of the American College of Neuropsychopharmacology
Walsh, J. J., Llorach, P., Cardozo Pinto, D. F., Wenderski, W., Christoffel, D. J., Salgado, J. S., Heifets, B. D., Crabtree, G. R., Malenka, R. C.
2021
- **Loss of the neural-specific BAF subunit ACTL6B relieves repression of early response genes and causes recessive autism.** *Proceedings of the National Academy of Sciences of the United States of America*
Wenderski, W., Wang, L., Krokhotin, A., Walsh, J. J., Li, H., Shoji, H., Ghosh, S., George, R. D., Miller, E. L., Elias, L., Gillespie, M. A., Son, E. Y., Staahl, et al
2020
- **Histone turnover and chromatin accessibility: Critical mediators of neurological development, plasticity, and disease** *BIOESSAYS*
Wenderski, W., Maze, I.
2016; 38 (5): 410-419
- **Engineering of a Histone-Recognition Domain in Dnmt3a Alters the Epigenetic Landscape and Phenotypic Features of Mouse ESCs.** *Molecular cell*
Noh, K., Wang, H., Kim, H. R., Wenderski, W., Fang, F., Li, C. H., Dewell, S., Hughes, S. H., Melnick, A. M., Patel, D. J., Li, H., Allis, C. D.
2015; 59 (1): 89-103
- **Critical Role of Histone Turnover in Neuronal Transcription and Plasticity.** *Neuron*
Maze, I., Wenderski, W., Noh, K., Bagot, R. C., Tzavaras, N., Purushothaman, I., Elsässer, S. J., Guo, Y., Ionete, C., Hurd, Y. L., Tamminga, C. A., Halene, T., Farrelly, et al
2015; 87 (1): 77-94
- **ATRX tolerates activity-dependent histone H3 methyl/phos switching to maintain repetitive element silencing in neurons** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Noh, K., Maze, I., Zhao, D., Xiang, B., Wenderski, W., Lewis, P. W., Shen, L., Li, H., Allis, C. D.
2015; 112 (22): 6820-6827
- **Epigenetic Mechanisms of Drug Addiction Vulnerability** *Epigenetics in Psychiatry*
Wenderski, W., Maze, I.
edited by Peedicayil, J., Grayson, D. R., Avramopoulos, D.
Elsevier.2014; 1: 441-462
- **ERK regulation of phosphodiesterase 4 enhances dopamine-stimulated AMPA receptor membrane insertion** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Song, R. S., Massenburg, B., Wenderski, W., Jayaraman, V., Thompson, L., Neves, S. R.
2013; 110 (38): 15437-15442
- **MODELING OF SPATIAL INTRACELLULAR SIGNALING EVENTS IN NEURONS** *METHODS IN ENZYMOLOGY, VOL 505: IMAGING AND SPECTROSCOPIC ANALYSIS OF LIVING CELLS*
Wenderski, W. C., Neves, S. R.
2012; 505: 105-124