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, Deissseroth (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