



## Matthew Arnot Wright

Instructor, Psychiatry and Behavioral Sciences

### CLINICAL OFFICES

- **Psychiatry Clinic**

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### Bio

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### CLINICAL FOCUS

- Psychiatry

### ACADEMIC APPOINTMENTS

- Instructor, Psychiatry and Behavioral Sciences

### PROFESSIONAL EDUCATION

- Residency: Yale University Office of the Registrar (2012) CT
- PhD Training: Massachusetts Institute of Technology (2005) MA
- Fellowship: Department of Psychiatry, School of Medicine, Stanford University Hospital
- Board Certification: Child and Adolescent Psychiatry, American Board of Psychiatry and Neurology (2014)
- Fellowship: New York Presbyterian Hospital of Columbia and Cornell Universities (2014) NY
- Medical Education: Harvard Medical School (2009) MA
- Board Certification: Psychiatry, American Board of Psychiatry and Neurology (2013)

### Publications

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### PUBLICATIONS

- **A community-developed open-source computational ecosystem for big neuro data.** *Nature methods*  
Vogelstein, J. T., Perlman, E., Falk, B., Baden, A., Gray Roncal, W., Chandrashekar, V., Collman, F., Seshamani, S., Patsolic, J. L., Lillaney, K., Kazhdan, M., Hider, R. J., Pryor, et al  
2018
- **Three-dimensional intact-tissue sequencing of single-cell transcriptional states** *SCIENCE*  
Wang, X., Allen, W. E., Wright, M. A., Sylwestrak, E. L., Samusik, N., Vesuna, S., Evans, K., Liu, C., Ramakrishnan, C., Liu, J., Nolan, G. P., Bava, F., Deisseroth, et al  
2018; 361 (6400): 380+

- **Anxiety Cells in a Hippocampal-Hypothalamic Circuit** *NEURON*  
Jimenez, J. C., Su, K., Goldberg, A. R., Luna, V. M., Biane, J. S., Ordek, G., Zhou, P., Ong, S. K., Wright, M. A., Zweifel, L., Paninski, L., Hen, R., Kheirbek, et al  
2018; 97 (3): 670-+
- **Modulation of prefrontal cortex excitation/inhibition balance rescues social behavior in CNTNAP2-deficient mice.** *Science translational medicine*  
Selimbeyoglu, A., Kim, C. K., Inoue, M., Lee, S. Y., Hong, A. S., Kauvar, I., Ramakrishnan, C., Fenno, L. E., Davidson, T. J., Wright, M., Deisseroth, K.  
2017; 9 (401)
- **Gating of social reward by oxytocin in the ventral tegmental area.** *Science (New York, N.Y.)*  
Hung, L. W., Neuner, S., Polepalli, J. S., Beier, K. T., Wright, M., Walsh, J. J., Lewis, E. M., Luo, L., Deisseroth, K., Dölen, G., Malenka, R. C.  
2017; 357 (6358): 1406-11
- **Multiplexed Intact-Tissue Transcriptional Analysis at Cellular Resolution** *CELL*  
Sylwestrak, E. L., Rajasethupathy, P., Wright, M. A., Jaffe, A., Deisseroth, K.  
2016; 164 (4): 792-804
- **The Three-Dimensional Architecture of a Bacterial Genome and Its Alteration by Genetic Perturbation** *MOLECULAR CELL*  
Umbarger, M. A., Toro, E., Wright, M. A., Porreca, G. J., Bau, D., Hong, S., Fero, M. J., Zhu, L. J., Marti-Renom, M. A., McAdams, H. H., Shapiro, L., Dekker, J., Church, et al  
2011; 44 (2): 252-264
- **Choreography of the Transcriptome, Photophysiology, and Cell Cycle of a Minimal Photoautotroph, Prochlorococcus** *PLOS ONE*  
Zinser, E. R., Lindell, D., Johnson, Z. I., Futschik, M. E., Steglich, C., Coleman, M. L., Wright, M. A., Rector, T., Steen, R., McNulty, N., Thompson, L. R., Chisholm, S. W.  
2009; 4 (4)
- **Chromosomal periodicity of evolutionarily conserved gene pairs** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Wright, M. A., Kharchenko, P., Church, G. M., Segre, D.  
2007; 104 (25): 10559-10564
- **From annotated genomes to metabolic flux models and kinetic parameter fitting.** *Omics : a journal of integrative biology*  
Segrè, D., Zucker, J., Katz, J., Lin, X., D'haeseleer, P., Rindone, W. P., Kharchenko, P., Nguyen, D. H., Wright, M. A., Church, G. M.  
2003; 7 (3): 301-316
- **On the complete determination of biological systems** *TRENDS IN BIOTECHNOLOGY*  
Selinger, D. W., Wright, M. A., Church, G. M.  
2003; 21 (6): 251-254
- **An open-source oligomicroarray standard for human and mouse** *NATURE BIOTECHNOLOGY*  
Wright, M. A., Church, G. M.  
2002; 20 (11): 1082-1083