

Dale Zhou

Curriculum Vitae

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Education

- 2017– **PhD Student, Neuroscience**,
University of Pennsylvania.
- 2015 **Honors B.S. in Psychology, Minor in Neuroscience.**
Honors B.A. in Philosophy,
University of Maryland, College Park.

Publications

Accepted/Published

Journal articles

- Zhou, D.**, Liu, S., Zhou, X., Berman, R.A., Broadnax, D.D., Rapoport, J.L., & Thomas, A.G. (In Press, 2018) *7 Tesla MRI reveals regional hippocampus abnormalities underlying false memory in childhood-onset schizophrenia*. Schizophrenia Research.
- Zhou, D.**, Gochman, P., Broadnax, D.D., Rapoport, J.L., & Ahn, K. (2016). *15q13.3 duplication in two patients with childhood-onset schizophrenia*. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics. DOI: 10.1002/ajmg.b.32439

Book chapters

- Zhou, D.**, Sequeira, S., Driver, D., Thomas, S. (2018). *Disruptive Mood Dysregulation Disorder*. In S. Thomas & D. Driver (Eds.), Complex Disorders in Pediatric Psychiatry: A Clinician's Guide. Clinics Review Articles, Elsevier Inc.
- Rapoport, J.L., **Zhou, D.**, & Ahn, K. (Accepted). *Aetiology of intellectual disability: general issues and prevention*. In N. Andreasen, J. Geddes, & G. Goodwin (Eds.), New Oxford Textbook of Psychiatry, Third Edition. Oxford University Press.

Open-source projects

- Gorgolewski, K.J., Esteban, O., [110 others, including **Zhou, D.**], & Ghosh, S. (2016). *Nipype: a flexible, lightweight and extensible neuroimaging data processing framework in Python*. 0.13.0. DOI: 10.5281/zenodo.581704

In Preparation

Journal articles

- Metabolic running costs of brain network communication in developing youth*
- Exploring curiously: generative models of information-seeking for complex and realistic tasks*
- 7 Tesla MRI reveals no effect of ketamine on hippocampal subfield structure in treatment resistant depression patients*

Conference Presentations

- Julius Axelrod Symposium (2017). *Ultra-high field 7-Tesla MRI reveals hippocampal subfield volume and shape abnormalities in childhood-onset schizophrenia patients compared to healthy siblings and controls*. Affiliated with Society for Neuroscience. National Institute of Mental Health, Intramural Research Program, Bethesda, Maryland.

Conference Abstracts

- Zhou, D.**, Liu, S., Zhou, X., Berman, R.A., Broadnax, D.D., Rapoport, J.L., & Thomas, A.G. (2017). *Ultra-high field 7-Tesla MRI reveals hippocampal subfield volume and shape abnormalities in childhood-onset schizophrenia patients compared to healthy siblings and controls*. Julius Axelrod Symposium, Bethesda, Maryland.
- Zhou, D.**, Liu, S., Zhou, X., Berman, R.A., Broadnax, D.D., Rapoport, J.L., & Thomas, A.G. (2017). *Ultra-High Field 7-Tesla MRI Shape and Myelination Mapping of Hippocampal Subfields in Childhood-Onset Schizophrenia and Healthy Siblings*. Society for Biological Psychiatry, San Diego, California.
- Zhou, D.**, Liu, S., Berman, R.A., Broadnax, D.D., Rapoport, J.L., & Thomas, A.G. (2016). *7-Tesla MRI Reveals Regional Hippocampal Deficits in Childhood-Onset Schizophrenia*. American College of Neuropsychopharmacology, Hollywood, Florida.
- Zhou, D.**, Liu, S., Berman, R.A., Broadnax, D.D., Rapoport, J.L., & Thomas, A.G. (2016). *7-Tesla MRI reveals regional hippocampal volume deficits of dentate gyrus in childhood-onset schizophrenia*. Society for Neuroscience, San Diego, California.
- Zhou, D.**, Gochman, P., Broadnax, D.D., Rapoport, J.L., & Ahn, K. (2016). *15q13.3 duplication in two patients with childhood-onset schizophrenia*. Society of Biological Psychiatry, Atlanta, Georgia.
- Ahn, K., An, S., **Zhou, D.**, & Rapoport, J.L. (2015). *Neurodevelopmental Copy Number Variants and Clinical Risk: a Pediatric Record Population Study*. World Psychiatric Genetics, Toronto, Canada.
- Zhou, D.** (2013). *Fn-14 receptor immunotoxin targeted therapy for metastatic prostate cancer*. the Lab of Genitourinary Cancer Pathogenesis, National Institutes of Health, Bethesda, MD.
- Zhou, D.** (2012). *The psychology of social movements in the U.S.* 16th Annual College Park Scholars Academic Showcase, College Park, MD.
- Zhou, D.** (2009). *BIRC5 survivin protein cloning vector shows promise for anti-cancer drug discovery*. Roswell Park Cancer Institute Research Symposium, Buffalo, NY.

Awards

- 2015-2017 National Institutes of Health Intramural Research Training Award
- 2015 Departmental Honors in Psychology
- 2015 Departmental Honors in Philosophy
- 2013 College Park Scholars Co-Curricular Scholarship Award
- 2012 College Park Scholars Citation in Global Public Health
- 2012 Office of Multi-ethnic Student Education's Academic Excellence Award
- 2011 Ling-ho Anita K'ung Tong Scholarship
- 2010-2014 University of Maryland President's Scholarship

Service & Outreach

Presentations

- Panelist on *Post-Baccalaureate Research Experiences in Behavioral Sciences* (2017). University of Maryland, College Park.

Organizations

- 2017– **Apprentice Chief**, *Brains in Brief*, Section on Behavior, Learning, & Cognition; Section on Computational and Sensory Neuroscience, Graduate-Led Initiatives and Activities (GLIA), University of Pennsylvania.
- 2014–2015 **Vice President**, *Philosophy Club*, University of Maryland, College Park.
- 2011–2012 **Rider & Leg Leader**, *4K for Cancer*, Ulman Cancer Fund, Baltimore, MD.
- Bicycled 4,700 miles (7,500 kilometers) from Baltimore, MD to Portland, OR over 70 days while performing community service to raise money for cancer patient navigation services. Averaging 70 miles/day, ranging from 40 to 125 miles
 - Personally fundraised over \$4,500 to the Ulman Cancer Fund patient navigation services; all riders collectively raised over \$500,000 during 2012
 - Leader of 27 riders through Illinois, Iowa, Nebraska, Colorado, and Wyoming, planning daily routes, community outreach, sleeping arrangements, and ride safety