

# Curriculum Vitae

## Zhan (Ross) Luo

Graduate Research Assistant  
Waisman Center, Rm 569  
University of Wisconsin – Madison  
Department of Neuroscience

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### Academic Positions

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2014 – 2019: Associate Research Specialist, Waisman Center, University of Wisconsin Madison  
2013 – 2015: Research Assistant, Psycho-Social Oncology Lab, Wisconsin Psychiatric Institute and Clinics.  
2013 – 2014: Student Hourly, Human Computer Interaction Lab, Department of Computer Science, UW-Madison  
2012 – 2013: Research Assistant, Cultural & Cognition lab, Department of Psychology, UW-Madison

### Education

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University of Wisconsin Madison Neuroscience Ph.D. Student	2019 - Present
University of Wisconsin Madison Bachelor of Science in Psychology	2010 - 2014

### Peer-Reviewed Publications

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- Luo, Z\***, Adluru, N\*, D.C Dean III, Alexander, A. L., & Goldsmith, H. H. Genetic and Environmental Influences of Variation in Diffusion MRI Measures of White Matter Microstructure. *Brain Structure & Function* (revise and resubmit)
- Adluru, N\*, **Luo, Z\***, Van Hulle, C. A., Schoen, A. J., Davidson, R. J., Alexander, A. L., & Goldsmith, H. H. (2017). Anxiety-related experience-dependent white matter structural differences in adolescence: A monozygotic twin difference approach. *Scientific Reports*, 7, 8749.  
<http://doi.org/10.1038/s41598-017-08107-6> \* *Denotes shared first-authorship*
- Schmidt, N., Brooker, R., Carroll, I., Gagne, J., Luo, Z., Planalp, E., . . . Goldsmith, H. (2019). Longitudinal Research at the Interface of Affective Neuroscience, Developmental Psychopathology, Health and Behavioral Genetics: Findings from the Wisconsin Twin Project. *Twin Research and Human Genetics*, 22(4), 233-239. doi:10.1017/thg.2019.55
- Chung M.K., **Luo Z.**, Leow A.D., Alexander A.L., Davidson R.J., Hill Goldsmith H. (2018) Exact Combinatorial Inference for Brain Images. In: Frangi A.F., Schnabel J.A., Davatzikos C., Alberola-López C., Fichtinger G. (eds) Medical Image Computing and Computer Assisted Intervention – MICCAI 2018. MICCAI 2018. Lecture Notes in Computer Science, vol 11070. Springer, Cham.  
[https://doi.org/10.1007/978-3-030-00928-1\\_71](https://doi.org/10.1007/978-3-030-00928-1_71)
- Chung M.K., **Luo, Z.**, Adluru, N., Alexander, A. L., Davidson, R. J., & Goldsmith, H. H. Heritability of hierarchical structural brain network. *EMBC 2018*. Honolulu, Hawaii.  
<http://dx.doi.org/10.1109/EMBC.2018.8512359>

Viozat, S., Juckett, M., Coe, C., **Luo, Z.**, Nelson, A., & Costanzo, E. (2015). Social support improves sleep quality following hematopoietic stem cell transplantation. *Psycho-Oncology*, 24, 84.

## Conference Abstracts

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**Luo, Z.\***, Stabo, N. J., Alexander, A. L., Field A. S., Goldsmith, H. H., & Rowley, H. A. Prevalence, heritability and concordance rate in adolescent twins inform genetic basis for prominent perivascular space risk. *American Society of Neuroradiology (ASNR) 58th Annual Meeting*, Las Vegas. May 2020

Adluru, N., **Luo, Z.\***, Van Hulle, C. A., Schoen, A. J., Davidson, R. J., Alexander, A. L., & Goldsmith, H. H. Anxiety Predicts White Matter Structural Differences in Adolescence as an Environmental Effect: A Monozygotic Twin Difference Approach. *Society for Biological Psychiatry (SOBP)*, Washington D.C. May 2017

**Luo, Z.\***, Moore, H., Viozat, S., Juckett, M.B., Coe, C.L. & Costanzo, E.S. Psychological and Physical Functioning in Caregivers Undergoing Hematopoietic Stem Cell Transplantation. *World Congress of Psycho-Oncology/Annual Conference of the American Psychosocial Oncology Society*, Washington D.C. August 2015

**Luo, Z.\***, Moore, A.H, Coe, C.L., Juckett, M.B., & Costanzo, E.S. *Psychological effects of giving versus receiving social support among hematopoietic stem cell transplant patients*. UW-Madison Undergraduate Symposium 2014

## Educational Activities

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Senior Honor Thesis Co-Mentor	2018
Waisman Center Brain Food Lunch Speaker	10/2016 & 10/2017
Methods for Neuroimaging Research/Lab Assistant	2015-2017
NIH Silvio O. Conte Undergraduate Fellowship Students Supervisor	2016-2018
Undergraduate Lab Research Assistant/Limited Term Employee Supervisor	2016-2020

## Honors and Awards

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Morse Fellowship Recipient, Waisman Center, University of Wisconsin Madison	2020
Honorable Mention - Graduate Research Fellowship Program (GRFP) NSF	2019
UW-Madison Psychology Student-Alumni Networking Invited Guest	2018-Present
UW-Madison Academic Staff Professional Development Grant (SOBP Conference 2017)	2017
Committee Chair at Psi Chi Honors Society in Psychology	2013-2014
1st Prize in International Undergraduate Writing Contest, Department of English	2011