

Dawei Zhang

LECTURER

Department of Psychology, Jeffrey Cheah School of Medicine and Health Sciences, Monash University Malaysia, Malaysia

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Education

University of Wollongong

PH.D. PSYCHOLOGY

Australia

10/2014 - 07/2018

- Supervisor: Prof. Stuart Johnstone and A/Prof. Steven Roodenrys
- Thesis: Examining resting EEG features and applying non-pharmacologic interventions among children with AD/HD

Shanghai University of Sports

M.S. PSYCHOLOGY

China

09/2011 - 06/2014

- Supervisor: Prof. Anmin Li
- Thesis: Electrophysiological evidence for sport training effects on inhibitory control

Henan University

B.A. JOURNALISM AND COMMUNICATION

China

09/2007 - 06/2011

Work Experience

- 06/2022 - now **Lecturer**, Department of Psychology, Monash University Malaysia, Malaysia
- 01/2021 - now **Adjunct Professor**, Department of Psychology, Yangzhou University, China
- 12/2018 - 01/2021 **Postdoctoral Researcher**, Department of Neuroscience, Karolinska Institutet, Sweden
- 07/2017 - 07/2018 **Research Assistant**, School of Psychology, University of Wollongong, Australia
- 03/2015 - 06/2017 **Tutor**, School of Psychology, University of Wollongong, Australia

Publications

Accepted

- Luo, X., Guo, X.J., Zhao, Q., Zhu Y., Chen, Y., **Zhang D.W.**, Han Jiang, H., Wang, Y., Johnstone, S.J., Sun, L. (2022). A randomized controlled study of remote computerized cognitive, neurofeedback, and combined training in the treatment of children with AD/HD. *European Child Adolescent Psychiatry*.
- Zhang D.W.**, Johnstone, S.J., Li, H., Sun L. (2021). Comparing transfer effects of three non-pharmacological interventions in children with AD/HD: a single case experimental design. *Behaviour Change*.
- Zhang, D.W.**, Zaphf, A., Klingberg, T. (2021). Resting state EEG related to mathematical improvement after spatial training in children. *Frontiers in Human Neuroscience*.
- Johnstone, S.J., Parrish, L., Jiang, H., **Zhang D.W.**, Williams V., Sun L. (2021). Aiding diagnosis of childhood attention-deficit/hyperactivity disorder of the inattentive presentation: Discriminant function analysis of multi-domain measures. *Biological Psychology*.
- McCabe L., Johnstone S.J., Watters A., Jiang H., Sun L., **Zhang D.W.** (2020). EEG coherence during subjectively-rated psychological state variations. *International Journal of Psychophysiology*.
- Johnstone S.J., Jiang H., Sun L., Rogers J.M., Valderrama J., **Zhang D.W.** (2020). Development of Frontal EEG Differences Between Eyes-Closed and Eyes-Open Resting Conditions in Children: Data From a Single-Channel Dry-Sensor Portable Device. *Clinical EEG Neuroscience*.
- Zhang, D.W.**, Johnstone, S. J., Li, H., Barry, R. J., Clarke, A. R., Song, Y., Liu, L., Qian, Q., Wang, Y. Sun, L. (2019). Time effects of EEG resting recording in children with/without AD/HD. *Brain Topography*.
- Zhang, D.W.**, Johnstone, S. J., Roodenrys, S., Luo, X., Li, H., Wang, E., Zhao, Q., Song, Y., Liu, L., Qian, Q., Wang, Y. Sun, L. (2018). The role of resting-state EEG localized activation and central nervous system arousal in executive function

performance in children with Attention Deficit/Hyperactivity Disorder. Clinical Neurophysiology.

Jiang, H., Johnstone, S. J., Sun, L., **Zhang, D.W.**. (2018). Effect of neurocognitive training for children with ADHD at improving academic engagement in two learning settings. Journal of Attention Disorders.

Zhang, D.W., Roodenrys, S., Li, H., Barry, R. J., Clarke, A. R., Wu, Z., Zhao, Q., Song, Y., Liu, L., Qian, Q., Wang, Y., Johnstone, S. J. Sun, L. (2017). A deficit of interference control in children with AD/HD having elevated theta/beta ratio. Biological Psychology.

Zhang, D.W., Li, H., Wu, Z., Zhao, Q., Song, Y., Liu, L., Qian, Q., Wang, Y., Roodenrys, S., Johnstone, S. J., De Blasio, F. Sun, L. (2017). EEG theta/beta ratio and spectral power correlates of executive functions in children and adolescents with AD/HD. Journal of Attention Disorders.

Zhao, S., Li, A. **Zhang, D.W.**. (2014). Influence of Experience of Playing Table Tennis on Visual Attention, Cognitive Control and Recognition: an ERP Study (**In Chinese**). Journal of Tianjin University of Sport.

Zhang, D.W., Wang, L. Li, A. (2013). Prospects on functional assessment in sport-related concussion (**In Chinese**). Chinese Journal of Sports Medicine.

Wang, B., Lu, Y., **Zhang, D.W.**, Cai, L., Yan, J. Peng, K. (2013). Influential factors in memory consolidation (**In Chinese**). National Medical Journal of China .

In Review

Zhang, D.W., Moraidis, A., Klingberg, T. (Revision). Right fronto-parietal theta tACS improves visuo-spatial performance

McCabe L., Johnstone S.J., Wattes A., Jiang H., Sun L., **Zhang D.W.** EEG power and activation in two subtypes of AD/HD compared to typically developing children: Are effects mediated by excessive daytime sleepiness?

In Prep

Zhang, D.W., Johnstone, S.J., Arns, M., Sun L., Sauce, B. Remote neurocognitive interventions for AD/HD: options and challenges.

Conference Presentations

Zhang, D.W. The effect of right fronto-parietal theta tACS on spatial abilities. The 23th National Academic Conference of Psychology. China, 2021.

Zhang, D.W., Johnstone, S. J., Roodenrys, S., Luo, X., Li, H., Wang, E., Zhao, Q., Song, Y., Liu, L., Qian, Q., Wang, Y. Sun, L. The role of EEG localized activation and CNS arousal in executive function performance in children with AD/HD. The 27th Annual Meeting for the Australasian Society for Psychophysiology, Parramatta, Australia, 2017.

Zhang, D.W., Johnstone, S. J. Sun, L. Time effects of EEG recording in children with/without AD/HD. Implications for behaviour in waiting situations. Early Start Conference 2017, Wollongong, Australia, 2017.

Zhang D.W., Li H., Wu Z., Zhao Q., Song Y., Liu L., Qian Q., Wang Y., Roodenrys S., Johnstone SJ Sun L. EEG theta/beta ratio and spectral power correlates of executive functions in children and adolescents with AD/HD The 26th Annual Meeting of the Australasian Society for Psychophysiology, Adelaide, Australia, 2016.

Zhang, D.W., Johnstone, S. J. Li, A. An ERP investigation of specific inhibition in experienced table tennis players. The 23rd Australasian Society for Psychophysiology Conference, Wollongong, Australia, 2013.

Zhang, D.W. Li, A. Research prospects on superior anticipation in experts. The ISSP 13th World Congress of Sport Psychology, Beijing, China, 2013.

Zhang, D.W. Li, A. The relationship between ERP C1 component and expert performance. The ISSP 13th World Congress of Sport Psychology, Beijing, China, 2013.

Grants

2021	Natural Science Foundation of Jiangsu Province , Jiangsu Province	\$ 200,000 CNY
2021	Early-Career Research Grant , Yangzhou University	\$ 150,000 CNY
2019	Foreign Researcher Funding , Wenner-Gren Foundations	\$ 60,000 SEK
2016	High Degree Research Funding , University of Wollongong	\$ 8,500 AUD
2013	Overseas Research Funding , Shanghai University of Sports	\$ 30,000 RMB
2013	Graduate Student Research Funding , Department of Education in Shanghai	\$ 10,000 RMB

Teaching Experience

2021-now	Psychophysiology , Lecturer	Yangzhou University
2021-now	Developmental Cognitive Neuroscience , Lecturer	Yangzhou University
2021-now	Child Development , Lecturer	Yangzhou University
2015-2017	The Biology of Learning , Tutor & Lecturer	University of Wollongong
2015-2017	Psychophysiology , Tutor & Lecturer	Shanghai University of Sports
2012	Experimental Psychology , Teaching Assistant	

Mentoring

Bachelor Thesis

TITLE: ENHANCING SPATIAL AND MATHEMATICAL ABILITIES THROUGH NON-INVASIVE BRAIN STIMULATION

Karolinska Institutet

01/2020 - 09/2020

Master Thesis

TITLE: TRANSFER EFFECTS OF SPATIAL AND MATHEMATICAL TRAINING IN PRESCHOOLERS

Karolinska Institutet

12/2018 - 06/2020

Service and Outreach

Ad-Hoc Reviewers

Brain Sciences
Clinical Neurophysiology
Journal of Clinical Neuroscience
PloS One
Progress in Neuro-Psychopharmacology Biological Psychiatry
Scientific Reports
Swiss National Science Foundation

Professional Membership

American Psychological Association
Australasian Society for Psychophysiology

Reference

Prof. Stuart Johnstone

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- Ph.D Supervisor

Prof. Torkel Klingberg

TORKEL.KLINGBERG@KI.SE & +46-8-5248 6359

- PostDoc Supervisor

Prof. Li Sun

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- Collaborator

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of Wollongong*

*Department of Neuroscience,
Karolinska Institutet*

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Peking University*