

CURRICULUM VITAE

Personal details

Name: Stuart John Johnstone
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Education and employment history

Academic qualifications

- Ph.D. in Psychology, University of Wollongong (1995-1999). Dissertation title: Auditory event-related potentials in attention-deficit hyperactivity disorder: developmental and clinical aspects
- Bachelor of Science (Hons Class 1), University of Wollongong (1991-1994)

Principal appointments

Period: July 1999 - current
Employer: School of Psychology, University of Wollongong
Positions: July 1999, Appointed *Lecturer*
 January 2005, Promoted to *Senior Lecturer*
 January 2010, Promoted to *Associate Professor*
January 2019, Promoted to *Professor*
Duties: Lecturer in Psychophysiology and Biological Psychology, research student supervision, research, administration.

Period: December 1998 – July 1999
Employer: Department of Psychological Medicine, University of Sydney
Position: **Research Officer**
Duties: Research project supervision, data analysis, literature reviews, and writing research papers for publication

Period: December 1994 - June 1998
Employer: Department of Psychology, University of Wollongong
Position: **Research Assistant**

Honorary appointments

- Visiting Professor, Faculty of Special Education, Zhejiang Normal University, China. 2018-continuing.

Awards

- Vice-Chancellor's Award for Global Strategy (2018), University of Wollongong
- Best Lecturer (Autumn 2017), School of Psychology, University of Wollongong
- Best Lecturer (Autumn 2015), School of Psychology, University of Wollongong
- Best Lecturer (Autumn 2014), School of Psychology, University of Wollongong
- Vice-Chancellor's Award for Outstanding Achievement in Research Commercialisation (2013), University of Wollongong
- Best Lecturer (Autumn 2009), School of Psychology, University of Wollongong
- Postgraduate Award Scholarship (1996), University of Wollongong

Research

My research program involves (a) using brain electrical activity measures to understand the neural basis of psychological processes such as inhibition and attention, as they relate to healthy children and those with Attention Deficit Hyperactivity Disorder (AD/HD), (b) developing and examining the efficacy of cognitive and neurocognitive training techniques to improve these processes and behaviour in children and adults, (c) and assessment of neurocognitive and other key factors in children. See more information [here](#).

Research grants – Foreign competitive

Jiang, H., Johnstone, S. J., Sun, L., Li, H-F, Li, M-B. (2019). Research of educational rehabilitation of Attention Deficit Hyperactivity children. Planned Research Project of Philosophy and Social Science of Zhejiang Province. 40,000 CNY.

Jiang, H., Johnstone, S. J., Howard, S. J. (2019). Research collaboration for ADHD children. Zhejiang Normal University, Promotive Plan of Collaboration between ZNU and Outstanding Universities Overseas, 80,000 RMB.

Research grants - National competitive

Johnstone, S. J. (2018). Australian Government, Department of Education and Training, Endeavour Executive Fellowship. Professional Development at Institute of Mental Health Peking University. \$18,500.

Solowij, N., Croft, R., Todd, J., Fernandez, F., Michie, P., McGuire, P., Murray, R., PI: Johnstone, S. J., Tooney, P., Zuardi, A. (2011-2013). Vulnerability markers in the association between cannabis and schizophrenia. NHMRC Project (APP1007593), \$499,006.

Ciarrochi, J., Heaven, P. C., Jackson, C. J., Johnstone, S. J., Leeson, P. R., Caltabiano, N. J. (2011-2013). A longitudinal study into the development of personal vulnerabilities and well-being in adolescence. ARC Discovery (DP110100989), \$264,000.

Barry, R. J., Clarke, A, R. & Johnstone, S. J. (2006-2008). Exploring the brain mechanisms underlying hyperactivity in Attention-Deficit/Hyperactivity Disorder. ARC Discovery (DP0665531), \$175,000.

Johnstone, S. J. (2005-2007). Disinhibition in Attention-deficit Hyperactivity Disorder: A behavioural and psychophysiological investigation. ARC Discovery (DP0559048), \$150,000.

Research grants - Other competitive

Johnstone, S. J. (2019). Establishing Australian norms and test-retest reliability for the neurocognitive assessment tool. University of Wollongong, Faculty of Social Sciences Seed Grant. \$10,474.

Johnstone, S. J., Howard, S. (2019). Establishing neurocognitive assessment and training studies in the Hangzhou Region of China. University of Wollongong, University Internationalisation Committee, International Links Grant, \$12,840.

Cliff, D., Howard, S., Johnstone, S. J. (2017). Physical activity to enhance executive functions in pre-school children. University of Wollongong, Faculty of Social Sciences Seed Grant, \$17,096.

Johnstone, S. J., Kelly, P. J., Roodenrys, S. (2016). Does combining personal best goal setting with neurocognitive training improve the outcomes for children with AD/HD? University of Wollongong, Faculty of Social Sciences Seed Grant, \$6,566.

Howard, S., Johnstone, S. J. (2016). Efficacy of the 'Farran Street Toolbox' Training Program for Enhancing Early Executive Functioning. University of Wollongong, Faculty of Social Sciences, Research Partnerships Grant, \$10,000.

Johnstone, S.J., Roodenrys, S. R., Barry, R. J., Clarke, A. R. (2015). Developing large-scale electrophysiological and neurocognitive training research projects in China. University of Wollongong, University Internationalisation Committee, International Links Grant, \$16,765.

Johnstone, S.J., Howard, S., Melhuish, E. (2014). Executive function, self-regulation and brain function in early childhood. University of Wollongong, Faculty of Social Sciences Seed Grant, \$16,372.

Solowij, N., Broyd, S., Fernandez, F., Johnstone, S.J. (2014). A familial analysis of vulnerability to the adverse neurocognitive effects of cannabis. University of Wollongong, NHMRC Near Miss Grant Scheme, \$14,000.

Johnstone, S.J., Roodenrys, S., Bennett, S. (2013). Combined cognitive and state control training for children with Attention Deficit Hyperactivity Disorder or similar symptoms. University of Wollongong, University Research Committee, Research Partnerships Grant, \$17,000.

Okely, T., Chandler, P., Jones, S., Flood, V., Kervin, L., Yeatman, H., Johnstone, S.J., Solowij, N., Dawson, L. (2013). University of Wollongong, Major Equipment Grant, \$150,000.

Barry, R. J., Palmisano, S., Croft, R., Johnstone, S. J., Hill, H., & Favelle, S. (2009). High speed infrared pupilometer. University of Wollongong, Research Infrastructure Block Grant, \$38,000.

Johnstone, S. J. (2009). Development of a portable EEG device for research. University of Wollongong, URC Research Partnerships Grant, \$16,000.

Johnstone, S. J. & Roodenrys, S. (2007). Development of a cognitive training intervention for the treatment of Attention-Deficit Hyperactivity Disorder (ADHD). University of Wollongong, University Research Committee, Small Grant, \$12,000.

Barry, R. J., Clarke, A. R. & Johnstone, S. J. & Rushby (2005). Arousal versus Activation: A psychophysiological clarification of the energetics of attentional processing in ADHD. University of Wollongong, University Research Committee, Discovery Projects Near-Miss Grant, \$15,000.

Johnstone, S. J., Clarke, A., Barry, R. (2005). A replacement EEG recording system for ARC-funded ADHD and other research. University of Wollongong, Research Infrastructure Block Grant, \$28,000.

Solowij, N., Roodenrys, S. & Johnstone, S. J. (2005). Impacts upon daily mental functioning caused by varying patterns of cannabis use. University of Wollongong, University Research Committee, Small Grant. Amount \$8000.

Johnstone, S. J., Barry, R. J., Clarke, A. (2004). The role of inhibitory dysfunction and energetic factors in Attention-deficit Hyperactivity Disorder: A behavioural and psychophysiological perspective. University of Wollongong, University Research Committee, Discovery Projects Near-Miss Grant, \$20,000.

Johnstone, S. J., Barry, R. J., Clarke, A. and Roodenrys, S. (2003). Inhibitory dysfunction and energetic factors in Attention-deficit Hyperactivity Disorder. University of Wollongong, University Research Committee, Discovery Projects Near-Miss Grant, \$15,000.

Clarke, A., Barry, R., Johnstone, S., Gonsalvez, C. (2002). A portable electroencephalograph for off-campus research on clinical populations. University of Wollongong Research Infrastructure Block Grant, \$25,000.

Johnstone, S. J., Barry, R. J., Roodenrys, S. & Clarke, A. (2002). Inhibitory dysfunction and energetic factors in Attention-deficit Hyperactivity Disorder. University of Wollongong, University Research Committee, Discovery Projects Near-Miss Grant, \$14,000.

Johnstone, S. J. & Clarke, A. (2000). Development of a developmental electrophysiological database for ADHD research. University of Wollongong, Research & Research Equipment Funds Grant, \$7000.

Johnstone, S. J. (2000). Clinical and developmental electrophysiology and fundamental EEG/ERP research. University of Wollongong, New Researcher Grant, \$2500.

Research contracts

Johnstone, S. J., Chan, A., Howard, S. (2020). Grow Your Mind Program Evaluation. Grow Your Mind, Pty Ltd. \$32,000.

Johnstone, S. J. (2018). Developing a software application for clinician-informed consultation and assessment of ADHD, and investigating the use of treatment approaches, including software-based cognitive training regimes, based on such assessment. Evolve Psychological and Assessment Services Pty Ltd. \$18,470.

Johnstone, S. J., Roodenrys, S. (2011). Neurocognitive training for children with and without AD/HD. Neurocognitive Solutions Pty Ltd. \$61,000.

Research commercialisation

Focus Pocus, ADHD training software. Developed and commercialised software product via an IP Licensing Agreement between University of Wollongong (IP Inventors Stuart Johnstone and Steven Roodenrys) and Neurocognitive Solutions Pty Ltd. Commercially available product 2013 to 2017. Distribution contracts in Australia, Canada, USA, Germany, UK, and China.

Other income

Okely, T., Wright, I., Yeatman, H., Probst, Y., Harwood, V., Johnstone, S. J., Paas, F., Chandler, P., Melhuish, E., de Rosnay, M., Roodenrys, S., Feng, X., Astell-Burt, T., Cliff, D., Byrne, M. (2017). Early Start Research Institute, University of Wollongong. Prevention Research Support Program, NSW Ministry of Health, \$1,000,000.

Invited talks

- Zhejiang Normal University, Hangzhou, China. Workshop on neurocognitive assessment tool. May 2018.
- South Eastern Sydney Local Health District, Study Day. Neurocognitive training for children with AD/HD. August 2017.
- Centre for Cognition and Sleep, People's Hospital of Guangxi Zhuang Autonomous Region, China. Neurocognitive training for children with AD/HD. September 2015.
- Institute of Psychology, Chinese Academy of Sciences, Beijing, China. Neurocognitive training for children with AD/HD. September 2015.
- Institute of Mental Health, Peking University, China. Neurocognitive training for children with AD/HD. May 2015.
- Illawarra Shoalhaven Local Health District, Study Day. Cognitive and neurocognitive training to improve behaviour in children with AD/HD. June 2013.
- School of Psychology Colloquium, University of Wollongong. Commercialising research: How we turned ADHD research outcomes and EEG into a commercial product. October 2013.
- School of Psychology Colloquium, University of Sydney. Attention, inhibition and cognitive training in children with AD/HD. September 2008.
- School of Psychology Colloquium, University of Newcastle. Attention, inhibition and cognitive training in children with AD/HD. September 2008.

Patent applications

- Johnstone, S. J., Roodenrys, S. Australian Provisional Patent (PCT/AU2010/000260). Method and apparatus.
- Johnstone, S. J., Roodenrys, S. US Patent Application (No. 13/255,839). Method and apparatus for cognitive training.

Software designed and developed

- [*Focus Pocus*](#): Neurocognitive training application for improving working memory, inhibitory control, and attention/relaxation modulation for children aged 6-12 years with and without AD/HD. Commercially available 2013-2016.
- [*Easy EEG*](#): Teaching application for the design, delivery, and analysis of brief EEG experiments.
- [*NeuroMind*](#): Training application consisting of guided mindfulness training for adults who experienced childhood trauma, and general adult-oriented neurofeedback training.
- [*Neurocognitive assessment tool \(NCAT\)*](#): Neurocognitive assessment application measuring brain electrical activity (EEG), executive functions, sleep patterns, psychological needs satisfaction (child and parent perspectives), quality of life, self-regulation and social behaviour, behaviour at home and at school in children aged 5-12 years.

Research institute affiliations

- [Brain & Behaviour Research Institute](#), School of Psychology, University of Wollongong
- [Self-regulation and Cognitive Development Research Group](#), Faculty of Arts, Social Sciences and Humanities, University of Wollongong
- [Illawarra Health and Medical Research](#), University of Wollongong

Research collaborations

- Prof Sun Li, Institute of Mental Health, Peking University (China): Neurocognitive training for children with AD/HD. MOU between IMH and UOW signed.
- Dr Han Jiang, School of Special Education, Zhejiang Normal University. Educational delivery and outcomes of neurocognitive training. MOU between IMH and UOW signed.
- Dr Dawei Zhang, Department of Psychology, School of Educational Science, Yangzhou University,

- Jiangsu, China
- Dr Steven Howard (UOW), Ted Melhuish (Oxford): EEG correlates of executive functioning in pre-school aged children.

Publications

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Information gathered on 18/03/2022

Google Scholar: **53**

- 10322 total citations
- 4259 citations since 2017

Scopus: **43**

- 113 articles indexed
- 6259 citations

Submitted manuscripts

Melinda Anne Hickey, Stuart Johnstone, Jacqueline Rushby. The role of EEG arousal and activation in executive dysfunction following Traumatic Brain Injury. *Neuropsychologia*.

Jillian T. Teo, Stuart J Johnstone; Stephanie S Römer; Susan J Thomas. Psychophysiological Mechanisms Underlying the Potential Health Benefits of Human-dog Interactions: A Systematic Literature Review. *International Journal of Psychophysiology*.

Laura E. McCabe, Stuart J. Johnstone, Han Jiang, Li Sun, Da-Wei Zhang. EEG power and activation in two subtypes of AD/HD compared to typically developing children: Are effects moderated by excessive daytime sleepiness? *Biological Psychology*.

Robson, D., Johnstone, S. J., Putwain, D., Howard, S. Test anxiety in Primary School Children: A 20 year Systematic Review and Meta-Analysis. *Journal of Educational Psychology*.

Zhao, Xixi; Han, Chuanliang; Li, Hui; Wang, Encong; Luo, Xiangsheng; Johnstone, Stuart; Wang, Yufeng; Sun, Li. Oscillatory brain activity during a working memory task in adults with Attention Deficit Hyperactivity Disorder in remission. *European Journal of Neuroscience*.

Peer reviewed journal articles

1. Luo, X., Guo, X., Zhao, Q., Zhu, Y., Chen, Y., Wang, Y., Johnstone, S. J., Sun, L. A randomized controlled study of remote computerized cognitive, neurofeedback, and combined training in the treatment of children with AD/HD. *European Child & Adolescent Psychiatry*. Accepted 5/02/2022.
2. Zhang, D., Johnstone, S. J., Li, H., Luo, X., Sun, L. (2021). Comparing the transfer effects of three neurocognitive training protocols in children with AD/HD: a single-case experimental design. *Behaviour Change*, 1-19. <https://doi.org/10.1017/bec.2021.26>
3. Jiang, H., Johnstone, S. J., Sun, L., Zhang, D. (2021). Effect of neurocognitive training for children with AD/HD at improving academic engagement in two learning settings. *Journal of Attention Disorders*, 25, 414-431. doi: 10.1177/1087054718799931.
4. Roach, L. A., Byrne, M. B., Howard, S. J., Johnstone, S. J., Batterham, M., Wright, I. M. R., Okely, A. D.,

- de Groot, R. H. M., van der Wurff, I. S. M., Jones, A., Meyer, B. J. (2021). Effect of omega-3 supplementation on self-regulation in typically developing preschool-aged children: Results of the Omega Kid Pilot Study a randomised, double-blind, placebo-controlled trial. *Nutrients*. 2021 Oct 12;13(10):3561. doi: 10.3390/nu13103561.
5. Howard, S. J., Vasseleu, E., Neilsen-Hewett, C., de Rosnay, M., Chan, A. Y. C., Johnstone, S. J., Mavilidi, M., Paas, F., Melhuish, E. (2021). Executive Function and Self-Regulation: Bi-Directional Longitudinal Associations and Prediction of Early Academic Skills. *Frontiers in Psychology, Developmental Psychology*, Oct 27;12:733328. doi: 10.3389/fpsyg.2021.733328. eCollection 2021.
 6. Luo, X., Guo, J., Li, D., Liu, L., Chen, Y., Zhu, Y., Johnstone, S. J., Wang, Y., Song, Y., Sun, L. (2021). Atypical developmental trajectories of early perception among school-age children with ADHD during a visual search task. *Child Development*. Nov;92(6):e1186-e1197. doi: 10.1111/cdev.13604. Epub 2021 Jun 28.
 7. Johnstone, S. J., Parrish, L., Jiang, H., Zhang, D., Williams, V., Li, S. (2021). Aiding diagnosis of childhood attention-deficit/hyperactivity disorder of the inattentive presentation: Discriminant function analysis of multi-domain measures including EEG. *Biological Psychology*, 161, p ?. doi:/10.1016/j.biopsycho.2021.108080
 8. Roach, L. A., Byrne, M. B., Howard, S. J., Johnstone, S. J., Batterham, M., Wright, I. M. R., Okely, A. D., de Groot, R. H. M., van der Wurff, I. S. M., Jones, A., Meyer, B. J. (2021). The feasibility of the “Omega Kid” study protocol: a double-blind randomised placebo-controlled trial investigating the effect of omega-3 supplementation on self-regulation in preschool aged children. *Nutrients*. Jan 13;13(1):E213. doi: 10.3390/nu13010213
 9. McCabe, L., Johnstone, S. J., Watts, A., Jiang, H., Sun, L., Zhang, D. (2020). EEG coherence during subjectively-rated psychological state variations. *International Journal of Psychophysiology*, 158, 380-388. doi:10.1016/j.ijpsycho.2020.11.004
 10. Johnstone, S. J., Jiang, H., Sun, L., Rogers, J. M., Valderrama, J., Zhang, D. (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 and Neuroscience*, 52, 235-245. doi:10.1177/1550059420946648
 11. Rogers, J. M., Jensen, J., Valderrama, J. C., Johnstone, S. J., Wilson, P. H. (2020). Single-channel EEG measurement of engagement in virtual rehabilitation – A validation study. *Virtual Reality*. doi:10.1007/s10055-020-00460-8
 12. Zhao, X., Sun, L., Li, H., Wang, E., Luo, X., Han, C., Qingjiu, C., Liu, L., Chen, L., Wang, C., Johnstone, S. J., Wang, Y. (2020). Neural correlates of working memory deficits in different adult outcomes of ADHD: An event-related potential study. *Frontiers in Psychiatry*, 11, 348. doi: 10.3389/fpsyg.2020.00348.
 13. Clarke, A. R., Barry, R. J., Johnstone, S. J. (2020). Resting state EEG power research in Attention-Deficit/Hyperactivity Disorder: A review update. *Clinical Neurophysiology*, 131, 1463-1479. doi: 10.1016/j.clinph.2020.03.029
 14. Guo, X., Yao, D., Cao, Q., Liu, L., Zhao, Q., Li, H., Huang, F., Wang, Y., Qian, Q., Wang, Y., Calhoun, V. D., Johnstone, S. J., Sui, J., Sun, L. (2020). Shared and distinct resting functional connectivity in children and adults with attention-deficit/hyperactivity disorder. *Translational Psychiatry*, 10. Article number: 65. doi: 10.1038/s41398-020-0740-y
 15. Rogers, J. M., Middleton, S., Wilson, P. H., Johnstone, S. J. (2019). Predicting functional outcomes after stroke: Use of acute single-channel EEG. *Topics in Stroke Rehabilitation*, 27, 161-172. doi: 10.1080/10749357.2019.1673576

16. Smith, R., Kelly, B., Yeatman, H., Johnstone, S. J., Baur, L., King, L., Boyland, E., Chapman, K., Hughes, C., Bauman, A. (2019). Skin conductance responses indicate children are physiologically aroused by their favourite branded food and drink products. *International Journal of Environmental Research and Public Health*, 16(17). pii E3014. doi: 10.3390/ijerph16173014.
17. Clarke, A. R., Barry, R. J., Johnstone, S. J., McCarthy, R., Selikowitz, M. (2019). EEG development in Attention-Deficit/Hyperactivity Disorder: From child to adult. *Clinical Neurophysiology*, 130, 1256-1262. doi: 10.1016/j.clinph.2019.05.001
18. Clarke, A. R., Barry, R. J., Karamacoska, D., Johnstone, S. J. (2019). The EEG Theta/Beta Ratio: A marker of Arousal or Cognitive Processing Capacity? *Applied Psychophysiology and Biofeedback*, 44, 123-129. doi: 10.1007/s10484-018-09428-6.
19. Zhang, D., Johnstone, S. J., Li, H., Barry, R. J., Clarke, A. R., Wu, Z., Zhao, Q., 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*, 32, 286-294. doi:10.1007/s10548-018-0690-3
20. Rogers, J. M., Becharab, J., Aminov, A., Middleton, S., Johnstone, S. J. (2019). Acute EEG patterns associated with transient ischemic attack. *Clinical EEG & Neuroscience*, 50, 196-204. doi: 10.1177/1550059418790708
21. Zhang, D., 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*, 129, 1192-1200. doi: 10.1016/j.clinph.2018.03.009
22. Aminov, A., Rogers, J. M., Wilson, P. H., Johnstone, S. J., Middleton, S. (2017). Acute single channel EEG predictors of cognitive function after stroke. *PLoS ONE*, 12(10): e0185841. <https://doi.org/10.1371/journal.pone.0185841>
23. Li, H., Zhao, Q., Huang, F., Cao, Q., Qian, Q., Johnstone, S. J., Wang, Y., Wang, C., Sun, L. (2019). Increased beta activity links to impaired emotional control in AD/HD adults with high IQ. *Journal of Attention Disorders*, 23, 754-764. doi: 10.1177/1087054717739120.
24. Zhang, D., 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). Atypical interference control in children with AD/HD with elevated theta/beta ratio. *Biological Psychology*, 128, 82-88.
25. Zhang, D., Li, H., Wu, Z., Zhao, Q., Song, Y., Liu, L., Qian, Q., Wang, Y., Roodenrys, S., Johnstone, S. J., De Blasio, F., Sun, L. (2019). Electroencephalogram theta/beta ratio and spectral power correlates of executive functions in children and adolescents with AD/HD. *Journal of Attention Disorders*, 23, 721-732. doi: 10.1177/1087054717718263.
26. Johnstone, S. J., Roodenrys, S.J., Johnson, K., Bonfield, R., Bennett, S. J. (2017). Game-based combined cognitive and neurofeedback training using Focus Pocus reduces symptom severity in children with diagnosed AD/HD and subclinical AD/HD. *International Journal of Psychophysiology*, 116, 32-44.
27. Smith, J. L., Dash, N., Johnstone, S. J., Houben, K., Field, M. (2017). Current forms of inhibitory training produce no greater reduction in drinking than simple assessment: A preliminary study. *Drug and Alcohol Dependence*, 173, 47-58.
28. Gilbert, H., Qin, L., Li, D., Zhang, X., Johnstone, S. J. (2016). Aiding the diagnosis of AD/HD in childhood: Using actigraphy and a continuous performance test to objectively quantify symptoms. *Research in Developmental Disabilities*, 59, 35-42.
29. Blackburne, T., Rodriguez, A, Johnstone, S. J. (2016). A serious game to increase healthy food consumption in overweight or obese adults: Randomised control trial. *JMIR Serious Games*, 4(2), e10,

DOI: 10.2196/games.5708

30. Rogers, J. M., Aminov, A., Wilson, P. H., Johnstone, S. J. (2016). Retest reliability of a single-channel, wireless EEG device. *International Journal of Psychophysiology*, 106, 87-96.
31. Howard, S. J., Powell, T., Vasseleu, E., Johnstone, S. J. & Melhuish, E. (2016). Enhancing preschoolers' executive functions through embedding cognitive activities in shared book reading. *Educational Psychology Review*, 29, 153-174. DOI 10.1007/s10648-016-9364-4.
32. Dalecki, A., Green, A. E., Johnstone, S. J., Croft, R. J. (2016). The relevance of attention in schizophrenia P50 paired stimulus studies. *Clinical Neurophysiology*, 127, 2448-2454. doi: 10.1016/j.clinph.2016.03.013.
33. Broyd, S. J., Greenwood, L., van Hell, H. H., Croft, R. J., Coyle, H., Lee-Bates, B., Todd, J., Johnstone, S. J., Michie, P. T., Solowij, M. (2016). Mismatch negativity and P50 sensory gating in abstinent former cannabis users. *Neural Plasticity*, Article ID 6526437, DOI 10.1155/2016/6526437.
34. Thomas, S., Gonsalvez, C. J., Johnstone, S. J. (2016). Electrophysiology of facilitation priming in obsessive-compulsive and panic disorders. *Clinical Neurophysiology*, 127, 464-478.
35. Dalecki, A., Johnstone, S. J., Croft, R. J. (2015). Clarifying the functional process represented by P50 suppression. *International Journal of Psychophysiology*, 96, 149-154.
36. Jiang, H., and Johnstone, S. J. (2015). A preliminary multiple case study report of neurocognitive training for children with ADHD in China. *Sage Open*, 5 (2), 1-13.
37. Greenwood, L., Broyd, S. J., Croft, R., Todd, J., Michie, P. T., Johnstone, S. J., Murray, R., Solowij, N. (2014). Chronic effects of cannabis use on the auditory mismatch negativity. *Biological Psychiatry*, 75, 449-458.
38. Thomas, S., Gonsalvez, C., Johnstone, S. J. (2014). How specific are inhibitory deficits to obsessive-compulsive disorder? A neurophysiological comparison with panic disorder. *Clinical Neurophysiology*, 125, 463-475.
39. Barry, R. J., Broyd, S. J., Bruggemann, J. M., Budd, T. W., Johnstone, S. J., Rushby, J. A., Smith, J. L. (2013). Psychophysiology in Australasia: Selected papers from the 22nd Annual Meeting of the Australasian Society for Psychophysiology, ASP2012, held at the University of New South Wales, Sydney, Australia, 28-30 November 2012. *International Journal of Psychophysiology*, 89, 285-287.
40. Thomas, S., Gonsalvez, C., Johnstone, S. J. (2013). Neural time course of threat-related attentional biases in panic and obsessive-compulsive disorders. *Biological Psychology*, 94, 116-129.
41. Clarke, A. R., Barry, R. J., Dupuy, F. E., McCarthy, R., Selikowitz, M., Johnstone, S. J. (2013). Excess beta activity in the EEG of children with attention-deficit/hyperactivity disorder: A disorder of arousal? *International Journal of Psychophysiology*, 89, 314-319.
42. Broyd, S., Greenwood, L., Croft, R. J., Dalecki, A., Todd, J., Michie, P. T., Johnstone, S. J., Solowij, N. (2013). Chronic effects of cannabis on sensory gating. *International Journal of Psychophysiology*, 89, 381-389.
43. Bowley, C., Faricy, C., Hegarty, B., Smith, J. L., Kelly, P. J., Rushby, J., Johnstone, S. J. (2013). The effects of inhibitory control training on alcohol consumption, implicit alcohol-related cognitions and brain electrical activity. *International Journal of Psychophysiology*, 89, 342-348.
44. Johnstone, S. J. (2013). Computer gaming and ADHD: Potential positive influences on behaviour. *IEEE Technology and Society Magazine*, 32, 20-22.

45. Benikos, N., Johnstone, S. J., Roodenrys, S. (2013). Short-term training in the Go/Nogo Task: Behavioural and neural changes depend on task demands. *International Journal of Psychophysiology*, 87, 301-312.
46. Johnstone, S. J., Barry, R. J., Clarke, A. R. (2013). Ten years on: A follow-up review of ERP research in Attention-Deficit/Hyperactivity Disorder. *Clinical Neurophysiology*, 124, 644-657.
47. Benikos, N., Johnstone, S. J., Roodenrys, S. (2013). Varying task difficulty in the Go/Nogo task: the effects of inhibitory control, arousal, and perceived effort on ERP components. *International Journal of Psychophysiology*, 87, 262-272.
48. Johnstone, S. J. & Galletta, D. (2013). Event-rate effects in the flanker task: ERPs and task performance in children with and without AD/HD. *International Journal of Psychophysiology*, 87, 340-348.
49. Johnstone, S. J., Blackman, R. J., Bruggemann, J. (2012). EEG from a single channel dry sensor recording device. *Clinical EEG and Neuroscience*, 43, 112-120.
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Teaching

Teaching and learning grants - National competitive

Johnstone, S. J., Kelly, P. J., Favelle, S. (2021). Psychology in an International context, Singapore. Australian Government, Department of Foreign Affairs and Trade, New Colombo Mobility Grant, \$39,600.

Favelle, S. & Johnstone, S. J. (2019). Australian Government, Department of Education and Training, Endeavour Leadership Program Chueng Kong Exchange Project, \$41,500.

Johnstone, S. J., Favelle, S. (2018). Enhancing learning in psychology through cross-cultural collaboration. Australian Government, Department of Education and Training, Endeavour Mobility Grant, \$46,500.

Johnstone, S. J. & Kelly, P. J. (2017-2020). Psychology in an International context, Singapore. Australian Government, Department of Foreign Affairs and Trade, New Colombo Mobility Grant, \$198,000.

Johnstone, S. J. (2015). Clinical Psychology Practice: International Comparison Project. Australian Government, Department of Education and Training, AsiaBound Mobility Grant, \$21,500.

Teaching and learning grants – Other competitive

Johnstone, S. J., Barry, R. J., Clarke, A. R. (2018). Development and evaluation of a software tool to enhance Psychology students' understanding of brain activity. University of Wollongong, Educational Strategies Development Fund, \$13,100.

Teaching duties

- Subject co-ordinator and lecturer, Biological Psychology and Learning PSYC234 (2000 - present).
- Subject co-ordinator and lecturer, Psychophysiology PSYC352 (1999 - present).
- Lecturer, Foundations in Psychology (PSYC121) 2000-2005.

Research training and supervision

Research supervision

Title	Student	Completed	Supervisors (primary first)
PhD			
Electrophysiological and Behavioural Indices of Simulated Recognition Memory Impairment	Hilarie Tardif	2003	Prof Robert Barry, Dr Stuart Johnstone
Electrophysiological Indices of Response Inhibition in The Stop-Signal Task	Aneta Dimoska	2005	Dr Stuart Johnstone
An Investigation of the Effect of Preparation on Response Execution and Inhibition in the GO/NOGO Task	Janette Smith	2005	Dr Stuart Johnstone, Professor Robert Barry

Electrophysiological Correlates of Interference Control in the Eriksen Task	Samantha Broyd	2008	Dr Stuart Johnstone, A/Prof Steven Roodenrys
Training inhibitory control	Nicholas Benikos	2015	A/Prof Stuart Johnstone, A/Prof Steven Roodenrys
Optimising the Methodology of P50 Suppression Measurement	Anna Dalecki	2016	Prof Rodney Croft, A/Prof Stuart Johnstone
ERPs in the context of the orienting reflex	Brett McDonald	2018	Prof Robert Barry, A/Prof Stuart Johnstone
Examining resting EEG features and applying non-pharmacologic interventions among Chinese children with AD/HD	Dawei Zhang	2019	A/Prof Stuart Johnstone, A/Prof Steven Roodenrys
	Davina Robson		Prof Stuart Johnstone, A/Prof Stephen Howard
	Stephanie Varcoe		A/Prof Stephen Howard, Prof Stuart Johnstone
	Jillian Teo		Dr Susan Thomas, Prof Stuart Johnstone
PhD (Clinical)			
Event-Related Brain Electrical Activity and Information-Processing in Obsessive-Compulsive Disorder	Susan Thomas	2010	A/Prof Craig Gonsalvez, A/Prof Stuart Johnstone
Chronic cannabis use and the Brain: A neurophysiological investigation into the Effects on Human Memory and Attention”	Robert Battisti	2011	Dr Nadia Solowij, A/Prof Steven Roodenrys, A/Prof Stuart Johnstone
Neurocognitive training for adults with Traumatic Brain Injury	Melinda Hickey	2013-2021	A/Prof Stuart Johnstone, Dr Jacqueline Rushby (UNSW)
Masters (Research)			
An examination of impulsivity in adolescence: Relations with emotion regulation	Ellie Johnston	2012 - 2014	A/Prof Stuart Johnstone, A/Prof Joseph Ciarrochi
Clinical Masters			
Neurocognitive training for children with AD/HD and children with AD/HD symptoms: Behavioural outcomes	Jamila Soloman	2013 - 2014	A/Prof Stuart Johnstone
Neurocognitive training for children with AD/HD and children with AD/HD symptoms: Behavioural outcomes	Rebecca Bonfield	2014 – 2015	A/Prof Stuart Johnstone
Does combining personal best goal setting improves neurocognitive training improve the outcomes for children with AD/HD?	Emma Mabin	2016-2017	A/Prof Stuart Johnstone, Mark Donovan
Does combining personal best goal setting improves neurocognitive training improve the outcomes for children with AD/HD?	Rosa Nolan	2016-2017	A/Prof Stuart Johnstone, Mark Donovan
An investigation into the effects of a mindfulness program on trauma experiences and brainwave activity	Jessica Buster	2016-2017	A/Prof Stuart Johnstone, Dr Trevor Crowe
An investigation into the effects of a mindfulness program on trauma experiences and brainwave activity	Breanna Shuttleworth	Current	A/Prof Stuart Johnstone, Dr Trevor Crowe
Honours			

Event-Related Potentials and Configural Encoding in Face Recognition.	Melissa James	1999	Dr Stuart Johnstone
Event Related Potential Correlates of Serial Position Effects during and Elaborative Memory Test	Jacqueline Somerville	2000	Dr Stuart Johnstone
Psychophysiological Measures of Inhibition in Attention Deficit hyperactivity and the Stop Signal Paradigm	Aneta Dimoska	2001	Dr Stuart Johnstone
Psychophysiological Indices of Prepotent Response Inhibition in Attention-Deficit/Hyperactivity Disorder	Janette Smith	2001	Dr Stuart Johnstone
A Developmental Investigation of the Inhibition of an Ongoing Response Using Behavioural and Psychophysiological Measures	Dale Chiswick	2002	Dr Stuart Johnstone
Response Inhibition in Children: The Effects of stimulus probability on ERPs and Auditory Go/Nogo Task	Diane Pirs	2002	Dr Stuart Johnstone
A Developmental Investigation of Event-related Potentials to Response Inhibition in an Auditory Go/Nogo Task	Carly Pleffer	2002	Dr Stuart Johnstone
Effect of Stimulant Medication on Event-related potentials and Response Inhibition in Children With Attention-Deficit/Hyperactivity Disorder	Samantha Broyd	2003	Dr Stuart Johnstone
A Developmental Investigation of Response Inhibition Processes Using A Visual Stop-Signal Task	Lisa Eriksson	2004	Dr Stuart Johnstone
An ERP Study of Response Inhibition In Nonclinical Obsessive-Compulsive Adults	Valentina Markovska	2005	Dr Stuart Johnstone
The Role of Arousal-State Modulation During the Go/No-Go Task	Nicholas Benikos	2006	Dr Stuart Johnstone
Interference Control in Children with AD/HD and Healthy Controls: An ERP and Behavioural Analysis	Sarah Opychane	2006	Dr Stuart Johnstone
Influence of Externally-Directed Effort on Inhibition Processing in ADHD Children: An ERP Analysis Using the Go-Nogo Task	Luke Franks	2007	Dr Stuart Johnstone
A Computerised Cognitive Training Program for Children with ADHD: A pilot ERP Study	Elise Phillips	2007	Dr Stuart Johnstone, A/Prof Steven Roodenrys
The effects of computerised cognitive training on the resting electroencephalogram (EEG) and behavioural ratings of children with and without Attention deficit/hyperactivity disorder (AD/HD)	Michelle Barratt	2009	Dr Stuart Johnstone
The Psychometric Properties of the P50 Event-Related Potential	Anna Dalecki	2009	Prof Rodney Croft, Dr Stuart Johnstone
Neurocognitive Training for Children with an without AD/HD: Effects on Behaviour, Executive Functioning and Resting EEG	Sharlene Mantz	2009	A/Prof Steve Roodenrys, Dr Stuart Johnstone
Computerised Inhibition and Working Memory Training for Children with and without Attention-Deficit/Hyperactivity Disorder: An Active-Task EEG Analysis	Kylie Loveday	2009	Dr Stuart Johnstone, A/Prof Steve Roodenrys
The effect of Frustration Intolerance on a computer user's experience and physiological reactions	Bernie Crowley	2010	A/Prof Peter Caputi, A/Prof Stuart Johnstone
MMN in long-term cannabis users	Lisa-Marie Greenwood	2010	Dr Nadia Solowij, Prof Rodney Croft, A/Prof Stuart Johnstone

Neurocognitive Training for Children with an without AD/HD: Effects on Behaviour, Executive Functioning and Resting EEG	Ellie Johnston	2010	A/Prof Stuart Johnstone
The effect of reward on inhibitory control training	Melinda Hickey	2011	A/Prof Stuart Johnstone
The effect of event rate variation on interference control task performance and ERPs in children with and without ADHD	Daniel Galletta	2011	A/Prof Stuart Johnstone
Training Students to Drink Less: The Effects of Inhibitory Control Training on Alcohol Consumption, Alcohol-Related Cognitions and Brain Electrical Activity	Cameron Faricy	2012	A/Prof Stuart Johnstone, Dr Peter Kelly
Training students to drink less: The effects of inhibitory control training on alcohol consumption, alcohol-related cognitions and heart activity	Claire Bowley	2012	A/Prof Stuart Johnstone, Dr Peter Kelly
Combined Cognitive-and-State-Control Training for Children With and Without Attention-Deficit/Hyperactivity Disorder: Effects on Physical Movement and Behaviour	Stephanie Carrigan	2013	A/Prof Stuart Johnstone
Combined cognitive and state-control training for children with and without AD/HD: Effects on behaviour, working memory and resting EEG	Rebecca Bonfield	2013	A/Prof Stuart Johnstone
Inhibitory control training to reduce consumption in overweight adolescents and adults	Alexandra Rodrigues	2014	A/Prof Stuart Johnstone
Inhibitory control training to reduce consumption in overweight adolescents and adults	Tegan Blackburn	2014	A/Prof Stuart Johnstone
Aiding the Diagnosis of AD/HD in Childhood: Using Actigraphy and a Continuous Performance Test (CPT) to Objectively Quantify Symptoms	Hannah Gilbert	2015	A/Prof Stuart Johnstone
Can Inhibitory Training Reduce Risky Drinking? Finding the Best Task	Nicole Dash	2015	A/Prof Stuart Johnstone
The role of the 6-9 Hz band in preschooler Executive Functioning: Using new technologies to examine developmental change	James Carden	2016	A/Prof Stuart Johnstone
The EEG Correlates of Subjective Attention State Variations	Matthew Herbert	2016	A/Prof Stuart Johnstone
Cognitive performance in adults with Coeliac Disease compared to healthy controls	Hayley Belcher	2017	A/Prof Stuart Johnstone
EEG and ERPs in adults with Coeliac Disease compared to healthy controls	Harrison Hawkins	2017	A/Prof Stuart Johnstone
EEG Coherence of Subjectively-Rated Attention Level Variations	Laura McCabe	2018	A/Prof Stuart Johnstone
EEG Correlates of Subjectively-Rated Attention Levels	Allira Watts	2018	A/Prof Stuart Johnstone
The effect of sleep quality and duration on resting state EEG in typically- developing children	Freya Gardon	2019	Professor Stuart Johnstone
Do Differences in Self-regulation Ability Affect Resting-State Electroencephalogram Indices of Arousal and Activation in Developmentally Typical, Primary-School Aged Children?	Ellen Milross	2019	Professor Stuart Johnstone

Executive Function Performance Effects on Resting-State Electroencephalogram Indices of Arousal and Activation in Typically-Developing Children	Kate Davies	2019	Professor Stuart Johnstone
The predictive utility of measures related to inhibitory control and impulsive behaviour in differentiating children with AD/HD-I and AD/HD-C	Zachary Churchill	2020	Professor Stuart Johnstone
Differences in Frontal Activation in Children in Two Subtypes of AD/HD Compared to Typically-Developing Controls	Taylah Smede	2020	Professor Stuart Johnstone
TBA	Michelle Mendez	2021	Professor Stuart Johnstone
TBA	Hannah Pearce	2021	Professor Stuart Johnstone
Postgraduate Diploma			
P3 Reactions of the ERP to Subliminally Primed Racially Differential Pictures	Melissa Foreshew	2000	Dr Stuart Johnstone
Response Inhibition in Non-Clinical Adults With Obsessive Compulsive Characteristics: an ERP Study of Frontal Brain Activity	Emma Butler	2005	Dr Stuart Johnstone
Response Inhibition in Adults with High versus Low Obsessive-Compulsive Characteristics (OCC): An ERP Study of Frontal Brain Activity	Liam Nicholls	2005	Dr Stuart Johnstone
Investigating the Effects of Visual Stimulus Degradation on Response Inhibition in Children with ADHD: An ERP Analysis Using the Go/Nogo Task	Vivienne Gilet	2008	Dr Stuart Johnstone
An Investigation of Effort Manipulation in Children with ADHD on Task Performance and Event-Related Potentials	Lauren Rennie	2008	Dr Stuart Johnstone
Combined Cognitive and State-Control Training for Children with and without AD/HD: Effects on Behaviour, Resting and Cognitive-Load EEG	Kirsten Johnson	2013	A/Prof Stuart Johnstone

Professional activities

Professional memberships

- Member, Australian ADHD Professionals Association
- Member, Australasian Society for Psychophysiology
- Member, Society for Psychophysiological Research
- Member, International Organization of Psychophysiology

Additional professional activities

- 2014 Reviewer for Israel Science Foundation
- 2013 Reviewer for Swiss National Science Foundation
- 2006 – present Oz Reader for the Australian Research Council
- 2007 – 2010 President, Australasian Society for Psychophysiology
- 2012 – 2013 Vice-President, Australasian Society for Psychophysiology
- 2001 – present UOW Psychophysiology Research Group Chair

Editorial duties

- Guest Editor, International Journal of Psychophysiology Special Issue: Psychophysiology in Australasia.
- Ad-hoc reviewer: Biological Psychiatry, Clinical Neurophysiology, International Journal of Psychophysiology, Brain and Cognition, Psychophysiology, Biological Psychology, Developmental Science, Developmental Psychobiology, Neuroscience, Psychiatry Research, Neuroscience Research, Clinical Psychology Review, Journal of Behavior Therapy and Experimental Psychiatry, Journal of Experimental Child Psychology, Neuroscience Research, Neuropsychologia, Neurotoxicology and Teratology, Research in Developmental Disabilities

Conference organisation and committee membership

- Member, Organising Committee, 15th Annual Conference of the Australasian Society for Psychophysiology Wollongong NSW, December, 2005.
- Member, Scientific Committee, 16th Annual Conference of the Australasian Society for Psychophysiology Conference, Canberra ACT, December, 2006.
- Member, Scientific Committee, 16th World Congress of Psychophysiology, IOP2012, Pisa, Italy, September 2012.
- Convener, 23rd Annual Meeting of the Australasian Society for Psychophysiology, Wollongong NSW, November 2013.
- Member, Scientific Committee, 17th World Congress of Psychophysiology, IOP2014, Hiroshima, Japan, September 2014.

Governance

University/Faculty level

- Faculty Global Strategy Working Group (2015-2016)
- Faculty Flexible and Technology Enabled Learning (FTEL) Reference Group (2016)
- Member, Academic Senate (2012-2016)
- University International Offshore Strategy Working Group (2015)
- Faculty International Committee (2015-2020)
- Faculty Research Committee, Early Career Research, Engagement and Development (2015-2020)

School of Psychology

- Deputy Head of School (Teaching and Learning) (2020-present)
- Co-Academic Program Director, BPsycSci at Singapore Institute of Management (2017-present)
- Academic Program Director, BPsycSci at Singapore Institute of Management (2012-2017)
- Teaching Policy Committee (2001-present)
- Executive Committee (2016-present)
- 3rd Year Undergraduate Program Co-ordinator (2001-2012)
- 3rd Year Research Development Scheme Co-ordinator (2001-2012)
- Website co-ordinator (2001-2010)
- Acting Teaching Policy Committee Chair (Spring 2005)
- Acting Postgraduate Co-ordinator (Autumn 2007)

Community outreach

- Presentation, EEG and neurocognitive training for ADHD. Quirky Kids, July 2017
- Presentation, Neurocognitive training and EEG. Woonona High School, October 2016
- Presentation, Neurocognitive training, ADHD Support Group, Fairy Meadow NSW, 2013
- Presentation, Neurocognitive training, University of the Third Age, Wollongong, NSW, 2013
- Presentation, Research outcomes, University of the Third Age. Wollongong, NSW, 2007
- Presentation, Research outcomes, ADHD Support Group, Fairy Meadow NSW, 2005