

Curriculum Vitae

Personal information

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Education

Ph.D. in Psychology
University of Wollongong
January 1995 to March 1999

Bachelor of Science (Hons Class 1)
University of Wollongong
January 1991 to November 1994

Professional Experience

Period July 1999 - current
Employer School of Psychology, University of Wollongong
Position July 1999 - December 2004 Lecturer; January 2005 – December 2009 Senior Lecturer; **January 2010 Associate 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 Various positions as Research Assistant, Tutor

Teaching Duties

- Subject co-ordinator and lecturer, Biological Psychology and Learning (PSYC234) since Autumn session 2000.
- Subject co-ordinator and lecturer, Psychophysiology (PSYC352) since Spring session 1999.
- Lecturer, Foundations in Psychology (PSYC121) since Autumn session 2000.

Administrative Duties

- 3rd Year Undergraduate Program Co-ordinator (2001-present)
- 3rd Year Research Development Scheme Co-ordinator (2001-present)
- School of Psychology website co-ordinator (2001-present)
- Teaching Policy Committee (2001-present)

- Acting Teaching Policy Committee Chair (Spring 2005)
- Acting Postgraduate Co-ordinator (Autumn 2007)

Additional Professional Activities

- President, Australasian Society for Psychophysiology (2007-2010)
- Member, Australasian Society for Psychophysiology (1994-present)
- Oz Reader for the Australian Research Council (2006-present).
- Reviewing for journals: Clinical Neurophysiology, International Journal of Psychophysiology, Brain and Cognition, Psychophysiology, Biological Psychology.
- UoW Psychophysiology Research Group Chair (2001-present).

Awards

- University of Wollongong Postgraduate Award Scholarship - January 1996
- School of Psychology Best Lecturer 2009

Publications

1. Submitted manuscripts

2. Published papers

1. Clarke, A. R., Barry, R. J., Dupuy, F. E., Heckel, L. D., McCarthy, R., Selikowitz, M. & Johnstone, S. J. (In press). Behavioural differences between EEG-defined subgroups of children with Attention-Deficit/Hyperactivity Disorder. *Clinical Neurophysiology*.
2. Dimoska-Di Marco, A., McDonald, S., Kelly, M., Tate, R. And Johnstone, S. J. (in press). A meta-analysis of response inhibition and Stroop interference control deficits in adults with traumatic brain injury (TBI). *Journal of Clinical and Experimental Neuropsychology*.
3. Battisti, R. A., Roodenrys, S., Johnstone, S. J., Pesa, N., Hermens, D., Solowij, N. (2010). Chronic cannabis users show altered neurophysiological functioning on Stroop task conflict. *Psychopharmacology*, 212, 613-624.
4. Battisti, R. A., Roodenrys, S., Johnstone, S. J., Respondek, C., Hermans, D. F. and Solowij, N. (2010). Chronic use of cannabis and poor neural efficiency in verbal memory ability. *Psychopharmacology*, 209, 319-340.
5. Johnstone, S. J., Watt, A. J., Dimoska, A. (2010). Varying required effort during interference control in children with AD/HD: Task performance and ERPs. *International Journal of Psychophysiology*, 76, 174-185.
6. Johnstone, S. J., Roodenrys, S., Phillips, E., Watt, A. J. & Mantz, S. (2010). Combined working memory and inhibition training for children with AD/HD. *ADHD Attention Deficit and Hyperactivity Disorders*, 2, 31-42.
7. Thomas, S. J., Gonsalvez, C. J. & Johnstone, S. J. (2009). Sequence effects in the Go/NoGo task: Facilitation and inhibition. *International Journal of Psychophysiology*, 74, 209-219.
8. Barry, R. J., Clarke, A. R., Johnstone, S.J. & Brown, C.R. (2009). EEG differences in children between eyes-closed and eyes-open resting conditions. *Clinical Neurophysiology*, 120, 1806-1811.
9. Barry, R. J., Clarke, A. R., Johnstone, S. J., McCarthy, R. & Selikowitz, M. (2009). Electroencephalogram theta/beta ratio and arousal in AD/HD: evidence of independent processes. *Biological Psychiatry*, 66, 398-401.

10. Barry, R.J., Clarke, A.R., Johnstone, S. J., Brown, C.R., Bruggemann, J.M., van Rijbroek, I. (2009). Caffeine effects on resting-state arousal in children. *International Journal of Psychophysiology*, 73, 355-361.
11. Johnstone, S. J., Barry, R. J., Markovska, V., Dimoska, A. & Clarke, A. R. (2009). Response inhibition and interference control in children with AD/HD: A visual ERP investigation. *International Journal of Psychophysiology*, 72, 145-153.
12. Johnstone, S. J. & Clarke, A. R. (2009). Dysfunctional response preparation and inhibition during a visual go/nogo task in children with two subtypes of Attention-Deficit Hyperactivity Disorder. *Psychiatry Research*, 166, 223-237. [Top 25 Hottest Articles April – June 2009](#)
13. Benikos, N. and Johnstone, S. J. (2009). Arousal-state modulation in AD/HD: A topographic and preparation potential analysis of response inhibition. *Clinical Neurophysiology*, 120, 30-40.
14. Clarke, A. R., Barry, R. J., McCarthy, R., Selikowitz, M. & Johnstone, S. J. (2008). Effects of imipramine hydrochloride on the EEG of children with Attention-Deficit/Hyperactivity Disorder who are non-responsive to stimulants. *International Journal of Psychophysiology*, 68, 186-192.
15. Barry, R. J., Clarke, A. R., Johnstone, S. J. and Rushby, J. A. (2008). Timing of caffeine's impact on autonomic and central nervous system measures: clarification of arousal effects. *Biological Psychology*, 77, 304-316. [Top 25 Hottest Articles January – March 2008](#)
16. Dimoska, A. and Johnstone, S. J. (2008). Effects of varying stop-signal probability on ERPs in the stop-signal task: Do they reflect variations in inhibitory processing or simply novelty effects? *Biological Psychology*, 77, 324-336.
17. Smith, J. L., Johnstone, S. J. & Barry, R. J. (2008). Movement-related potentials in the Go/NoGo task: The P3 reflects both cognitive and motor inhibition. *Clinical Neurophysiology*, 119, 704-714.
18. Barry, R. J., Clarke, A. R., Johnstone, S. J., Magee, C. A. and Rushby, J. A. (2007). EEG differences between eyes-closed and eyes-open resting conditions. *Clinical Neurophysiology*, 118, 2765-2773.
19. Clarke, A. R., Barry, R. J., McCarthy, R., Selikowitz, M. & Johnstone, S. J. (2007). Effects of stimulant medications on the EEG of girls with Attention-Deficit/Hyperactivity Disorder. *Clinical Neurophysiology*, 118, 2700-2708.
20. Barry, R. J., Johnstone, S. J., Clarke, A. R., Rushby, J. A., Brown, C. R. and McKenzie, D. N. (2007). Caffeine effects on ERPs and performance in an auditory Go/NoGo task. *Clinical Neurophysiology*, 118, 2692-2699.
21. Dimoska, A. Johnstone, S. J., Chiswick, D., Barry, R. J. and Clarke, A. R. (2007). A developmental investigation of stop-signal inhibition: Dissociating low- and higher-frequency activity in the event-related potential. *Journal of Psychophysiology*, 21, 109-126.
22. Johnstone, S. J., Barry, R. J. and Clarke, A. R. (2007). Behavioural and ERP indices of response inhibition during a stop-signal task in children with two subtypes of Attention-Deficit Hyperactivity Disorder. *International Journal of Psychophysiology*, 66, 37-47. [IJOP Top 25 Hottest Articles July-September 2007](#) | [IJOP Top 25 Hottest Articles October-December 2007](#)
23. Dimoska, A. and Johnstone, S.J. (2007). Neural mechanisms underlying trait impulsivity in non-clinical adults: Stop-signal performance and event-related potentials. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 31, 443-454.
24. Clarke, A. R., Barry, R. J., McCarthy, R., Selikowitz, M., Johnstone, S. J., Hsu, C.-I., Magee, C. A., Lawrence, C. A., & Croft, R. J. (2007). Coherence in children with Attention-Deficit/Hyperactivity Disorder and excess beta activity in their EEG. *Clinical Neurophysiology*, 118, 1472-1479.
25. Thomas, S. J., Johnstone, S. J. & Gonsalvez, C. J. (2007). Event-related potentials during an emotional stroop task. *International Journal of Psychophysiology*, 63, 221-231. [IJOP Top 25 Hottest Articles January-March 2007](#) | [IJOP Top 25 Hottest Articles July-September 2007](#) | [IJOP Top 25 Hottest Articles October-December 2007](#) | [IJOP Top 25 Hottest Articles January-March 2008](#)

26. Smith, J. L., Johnstone, S. J. & Barry, R. J. (2007). Response priming in the Go/Nogo task: The N2 reflects neither inhibition nor conflict. *Clinical Neurophysiology*, 118, 343-355.
27. Johnstone, S.J., Dimoska, A., Smith, J. L., Barry, R. J., Pleffer, C.B., Chiswick. D., Clarke, A. R. (2007). The development of stop-signal and go/nogo response inhibition in children aged 7-12 years: Performance and event-related potential indices. *International Journal of Psychophysiology*, 63, 25-38. [IJOP Top 25 Hottest Articles January-March 2007](#) | [IJOP Top 25 Hottest Articles July-September 2007](#)
28. Clarke, A. R., Barry, R. J., McCarthy, R., Selikowitz, M., Magee, C., Johnstone, S. J., & Croft, R. J. (2006). Quantitative EEG in low IQ children with Attention-deficit/Hyperactivity Disorder. *Clinical Neurophysiology*, 117, 1708-1714.
29. Dimoska, A., Johnstone, S. J., Barry, R. (2006). The auditory-evoked N2 and P3 components in the stop-signal task: Indices of inhibition, response-conflict or error-detection? *Brain and Cognition*, 62, 98-112.
30. Bresnahan, S. M., Barry, R. J., Clarke, A. R. & Johnstone, S. J. (2006). Quantitative EEG analysis in dexamphetamine-responsive adults with Attention Deficit/Hyperactivity Disorder. *Psychiatry Research*, 141, 151-159.
31. Smith, J. L., Johnstone, S. J. & Barry, R. J. (2006). Effects of pre-stimulus processing on subsequent events in a warned Go/NoGo paradigm: Response preparation, execution and inhibition. *International Journal of Psychophysiology*, 61, 121-133.
32. Lawrence, C. A., Barry, R. J., Clarke, A. R., Johnstone, S. J. McCarthy, R., Selikowitz. M. & Broyd., S. J. (2005). Methylphenidate effects in Attention-Deficit/Hyperactivity Disorder: Electrodermal and ERP measures during a Continuous Performance Task. *Psychopharmacology*, 183, 81-91.
33. Barry, R. J., Rushby, J. A., Wallace, M. J., Clarke, A. R., Johnstone, S. J. & Zlojutro, I. (2005). Caffeine effects on resting-state arousal. *Clinical Neurophysiology*, 116, 2693-2700.
34. Barry, R. J., Clarke, A. R., Johnstone, S. J. & Oades, R. D. (2005). Electrophysiology in attention-deficit hyperactivity disorder. *International Journal of Psychophysiology*, 58, 1-3.
35. Clarke, A. R., Barry, R. J., McCarthy, R., Selikowitz, M., Johnstone, S. J., Abbott, I., Croft, R. J., Magee, C. A., Hsu, C. & Lawrence, C. A. (2005). Effects of Methylphenidate on EEG Coherence in Attention-Deficit/Hyperactivity Disorder. *International Journal of Psychophysiology*, 58, 4-11.
36. Barry, R. J., Clarke, A. R., McCarthy, R., Selikowitz, M. & Johnstone, S. J. (2005). EEG coherence adjusted for inter-electrode distance in children with Attention-deficit/Hyperactivity Disorder. *International Journal of Psychophysiology*, 58, 12-20.
37. Broyd, S. J., Johnstone, S. J., Barry, R. J., Clarke, A. R., McCarthy, R., Selikowitz, M. & Lawrence, C. A. (2005). The effect of methylphenidate on response inhibition and the event-related potentials of children with Attention-Deficit/Hyperactivity Disorder. *International Journal of Psychophysiology*, 58, 47-58.
38. Barry, R. J., Clarke, A. R., McCarthy, R., Selikowitz, M., Johnstone, S., Hsu, C, Bond, D., Wallace., M. J. Magee, C. A. (2005). Age and Gender Effects in EEG Coherence: II. Boys with Attention Deficit/Hyperactivity Disorder. *Clinical Neurophysiology*, 116, 977-984.
39. Johnstone, S. J., Pleffer, C. B., Barry, R. J. Clarke, A. R. & Smith, J. (2005). Development of inhibitory processing during the Go/Nogo task: A behavioural and event-related potential study of children and adults. *Journal of Psychophysiology*, 19, 11-23.
40. Oddy, B. W., Barry, R. J., Johnstone, S. J. & Clarke, A. R. (2005). Removal of CNV Effects from the N2 and P3 ERP Components in a Visual Go/NoGo Task. *Journal of Psychophysiology*, 19, 24-34.
41. Barry, R. J., Rushby, J. A., Johnstone, S. J., Clarke, A. R., Croft, R. J., Lawrence, C. A. (2004). Event-related potentials in the auditory oddball as a function of EEG alpha phase at stimulus onset. *Clinical Neurophysiology*, 115, 2593-2601.

42. Barry, R. J., Clarke, A. R., McCarthy, R., Selikowitz, M., Johnstone, S. J., Rushby, J. A. (2004). Age and Gender Effects in EEG Coherence: I. Developmental trends in normal children. *Clinical Neurophysiology*, *115*, 2252-2258.
43. Smith J. L., Johnstone, S. J., Barry, R. J. (2004). Inhibitory processing during the Go/NoGo task: An ERP analysis of children with Attention-Deficit/Hyperactivity Disorder. *Clinical Neurophysiology*, *115*, 1320-1331.
44. Dimoska, A., Johnstone, S. J., Barry, R. J. and Clarke, A. R. (2003). Inhibitory motor control in children with attention-deficit/hyperactivity disorder: Event-related potential in the stop-signal paradigm. *Biological Psychiatry*, *54*, 1340-1349.
45. Smith, J. L., Johnstone, S. J. and Barry, R. J. (2003). Aiding diagnosis of attention deficit hyperactivity disorder and its subtypes: discriminant function analysis of event-related potential data. *The Journal of Child Psychology and Psychiatry and Allied Disciplines*, *44*, 1067-1065.
46. Barry, R. J., de Pascalis, V., Hodder, D., Clarke, A. R. and Johnstone, S. J. (2003). Preferred EEG brain states at stimulus onset in a fixed interstimulus interval auditory oddball task, and their effects on ERP components. *International Journal of Psychophysiology*, *47*, 187-198.
47. Johnstone, S. J., Barry, R. J., Dimoska, A. (2003). Event-related slow-wave activity in two subtypes of attention-deficit hyperactivity disorder. *Clinical Neurophysiology*, *114*, 504-514.
48. Barry, R.J., Clarke, A.R. and Johnstone, S.J. (2003). A review of electrophysiology in Attention-deficit/Hyperactivity Disorder: I. Qualitative and quantitative electroencephalography. *Clinical Neurophysiology*, *114*, 171-183.
49. Barry, R.J., Johnstone, S.J. and Clarke, A.R. (2003). A review of electrophysiology in Attention-deficit/Hyperactivity Disorder: II. Event-related potentials. *Clinical Neurophysiology*, *114*, 184-198.
50. Rushby, J. A., Barry, R. J. and Johnstone, S. J. (2002). Event-related potential correlates of serial-position effects during an elaborative memory test. *International Journal of Psychophysiology*, *46*, 13-27.
51. Tardif, H. P., Barry, R. J. and Johnstone, S. J. (2002). Event-related potentials reveal processing differences in honest versus malingered memory performance. *International Journal of Psychophysiology*, *46*, 147-158.
52. Johnstone, S. J., Boyce, P. M., Hickey, A. R., Morris-Yates, A. D., & Harris, M. G. (2001). Obstetric risk factors for postnatal depression in urban and rural community samples. *Australian and New Zealand Journal of Psychiatry*, *35*, 69-74.
53. Johnstone, S. J., Barry, R. J., Anderson, J. W. (2001). Topographic distribution and developmental timecourse of auditory event-related potentials in two subtypes of attention-deficit hyperactivity disorder. *International Journal of Psychophysiology*, *42*, 73-94.
54. Johnstone, S. J., Tardif, H. P., Barry, R. J. & Sands, T. (2001). Nasal bilevel positive airway pressure therapy in children with a sleep-related breathing disorder and attention-deficit hyperactivity disorder: Effects on electrophysiological measures of brain function. *Sleep Medicine*, *2*, 407-416.
55. Gillespie, N., Johnstone, S. J., Boyce, Heath, A. C. & Martin, N. G. (2001). The genetic and environmental relationship between the interpersonal sensitivity measure (IPSM) and the personality dimensions of Eysenck and Cloninger. *Personality and Individual Differences*, *31*, 1039-1051.
56. James, M. S., Johnstone, S. J., Hayward, W. G. (2001). Event-related potentials, configural encoding and feature-based encoding in face recognition. *Journal of Psychophysiology*, *15* (4), 275-285.
57. Boyce, P. M., Johnstone, S. J., Hickey, A. R., Morris-Yates, A. D., Harris, M. G. and Strachan, T. (2000). Functioning and well-being at 24 weeks postpartum of women with postnatal depression. *Archives of Women's Mental Health*, *3*, 91-97.
58. Tardif, H. P., Barry, R. J., Fox, A. M. and Johnstone, S. J. (2000). Detection of feigned recognition memory

impairment using the old/new effect of the event-related potential. *International Journal of Psychophysiology*, 36, 1-9.

59. Johnstone, S. J. & Barry, R. J. (1999). An investigation of the event-related slow-wave potential (.01-2 Hz) in normal children. *International Journal of Psychophysiology*, 32, 15-34.
60. Johnstone, S. J., Barry, R. J., Anderson, J. W. and Coyle, S. F. (1996). Age-related changes in child and adolescent event-related potential component morphology, amplitude and latency to standard and target stimuli in an auditory oddball task. *International Journal of Psychophysiology*, 24, 223-238.
61. Johnstone, S. J., & Barry, R. J. (1996). Auditory event-related potentials to a two-tone discrimination paradigm in Attention-deficit Hyperactivity Disorder. *Psychiatry Research*, 64, 179-192.
62. Johnstone, S. J., Barry, R. J. and Fox, A. M. (1996). A combined auditory and visual "oddball" ERP investigation of children with Attention-deficit Hyperactivity Disorder. In Ogura, Koga and Shimokochi (Eds.), *Recent Advances in Event-Related Potential Research*. Elsevier, 774-776.

3. Published Abstracts

1. Greenwood, L.M., Johnstone, S., Croft, R., Solowij, N. AUDITORY MISMATCH NEGATIVITY AND LONG-TERM CANNABIS USE. AUSTRALIAN AND NEW ZEALAND JOURNAL OF PSYCHIATRY, 44, 58-58.
2. Benikos, N., Johnstone, S. J., Roodenrys, S. (2010). Task difficulty in the Go/Nogo task: The roles of inhibition, arousal and activation. *Psychophysiology*, 47 (Supplement), p. 69.
3. Johnstone, S. J. (2010). Preliminary validation of portable single-channel EEG recording device. *Psychophysiology*, 47 (Supplement), p. 93.
4. Dalecki, A., Croft, R. J., Johnstone, S. J. (2010). An evaluation of P50 suppression methodologies. *International Journal of Psychophysiology*, 77, p. 252.
5. Battisti, R. A., Roodenrys, S., Johnstone, S. J., Pesa, N., Hermens, D., Solowij, N. (2010). Chronic cannabis use alters neurophysiological functioning during the Stroop color-naming task. *Clinical EEG and Neuroscience*, 41, p. 103.
6. Benikos, N. Johnstone, S. J., Roodenrys, S. (2010). Varying task difficulty in the Go/Nogo task: A preliminary analysis. *Clinical EEG and Neuroscience*, 41, p.103
7. Dalecki, A., Croft, R. J., Johnstone, S. J. (2010). An evaluation of P50 suppression methodologies. *Clinical EEG and Neuroscience*, 41, p. 106.
8. Johnstone, S. J. (2010). Preliminary validation of portable single-channel EEG recording device. *Clinical EEG and Neuroscience*, 41, p. 109.
9. Loveday, K., Johnstone, S. J., Roodenrys, S. (2010). Computerised inhibition and working memory training for children with and without Attention-Deficit/Hyperactivity Disorder: An active-task EEG analysis. *Clinical EEG and Neuroscience*, 41, p. 111.
10. Thomas, S. J., Gonzalez, C. J., Johnstone, S. J. (2010). Neuroelectric evidence of early attentional bias towards threat in obsessive-compulsive disorder. *Clinical EEG and Neuroscience*, 41, p. 117.
11. Johnstone, S. J., Barry, R. J., Markovska, V., Dimoska, A. & Clarke, A. R. (2009). Are response inhibition and interference control affected in children with AD/HD? *Clinical EEG and Neuroscience*, 40, p. 226.
12. Thomas, S. J., Gonzalez, C. J. & Johnstone, S. J. (2009). Facilitation and inhibition in the go/nogo task. *Clinical EEG and Neuroscience*, 40, p. 229.

13. Watt, A.J. & Johnstone, S. J. (2009). The influence of stimulus degradation on interference control in children with attention deficit hyperactivity disorder: An ERP investigation. *Clinical EEG and Neuroscience*, 40, p. 229.
14. Johnstone, S. J., Barry, R. J., Markovska, V., Dimoska, A. & Clarke, A. R. (2008). ERPs and task performance during response inhibition and interference control in children with AD/HD. *International Journal of Psychophysiology*, 69, p. 195.
15. Smith, J. L. & Johnstone, S. J. (2008). Sequence effects in the Go/NoGo task suggest an inhibitory interpretation of P3 but not N2. *International Journal of Psychophysiology*, 69, p. 195-196.
16. Johnstone, S. J., Roodenrys, S. & Philips, E. R. (2008). Cognitive training for children with AD/HD: A pilot investigation of behaviour, task performance and ERPs. *International Journal of Psychophysiology*, 69, p. 196.
17. Smith, J. L., Barry, R. J. & Johnstone, S. J. (2008). Subtraction of a virtual CNV factor leaves N2 AND P3 Go/NoGo effects intact. *International Journal of Psychophysiology*, 69, p. 218.
18. Dimoska, A. & Johnstone, S. J. (2008). Response inhibition and impulsivity in adults with and without attention-deficit/hyperactivity disorder (ADHD). *International Journal of Psychophysiology*, 69, p. 218.
19. Johnstone, S. J., Roodenrys, S. & Philips, E. R. (2008). Cognitive training for children with AD/HD: A pilot investigation of behaviour, task performance and ERPs. *Clinical EEG and Neuroscience*, 39, p. 160.
20. Barry, R. J., Clarke, A. R. & Johnstone, S. J. (2008). Separating arousal from activation: EEG correlates. *Clinical EEG and Neuroscience*, 39, p. 156.
21. Smith, J. L., Barry, R. J. & Johnstone, S. J. (2008). Examining the effect of CNV resolution on N2 and P3 in a cued go/nogo task. *Clinical EEG and Neuroscience*, 39, p. 166.
22. Benikos, N. P., Johnstone, S. J. & Roodenrys, S. (2008). Event-rate and AD/HD: A topographic and preparation potential analysis of response inhibition. *Clinical EEG and Neuroscience*, 39, p. 157.
23. Thomas, S. J., Gonsalvez, C. J. & Johnstone, S. J. (2008). Inhibition and facilitation in obsessive-compulsive disorder: An ERP study. *Clinical EEG and Neuroscience*, 39, p. 166.
24. Benikos, N. and Johnstone, S. J. (2007). Arousal state modulation in AD/HD: An event-related potential investigation of inhibition. *Australian Journal of Psychology*, 59 (Supplement), p. 237.
25. Barry, R.J., Clarke, A. R., Johnstone, S. J. & Rushby, J.A. (2007). Caffeine effects on ERPs and performance in an auditory go/nogo task. *Clinical EEG and Neuroscience*, 38, p. 219.
26. Broyd, S. J., Johnstone, S. J. & Roodenrys, S. (2007). The functional significance of P3 in a response conflict paradigm. *Clinical EEG and Neuroscience*, 38, p. 219.
27. Johnstone, S. J., Barry, R. J. & Clarke, A. R. (2007). Response inhibition during a stop-signal task in two subtypes of AD/HD. *Clinical EEG and Neuroscience*, 38, p. 219.
28. Benikos, N. P. & Johnstone, S. J. (2007). Arousal-state modulation in AD/HD: An event-related potential investigation of inhibition. *Clinical EEG and Neuroscience*, 38, p. 219.
29. Opychane, S. & Johnstone, S. J. (2007). Interference control in children with AD/HD: An ERP and behavioural analysis. *Clinical EEG and Neuroscience*, 38, p. 219.
30. Clarke, A. R., Barry, R.J., McCarthy, R., Selikowitz, M. & Johnstone, S. J. (2007). Effects of stimulant medications on the EEG of Girls with Attention-Deficit/Hyperactivity Disorder. *Clinical EEG and Neuroscience*, 38, p. 219.
31. Thomas, S. J., Gonsalvez, C. J. & Johnstone, S. J. (2007). The emotional stroop effect in panic disorder: An electrophysiological study. *Clinical EEG and Neuroscience*, 38, p. 219.

32. Broyd, S., Johnstone, S. J., Roodenrys, S. (2006). P3 as a marker of response conflict processes in the eriksen flanker task. *International Journal of Psychophysiology*, 61, p. 320.
33. Battisti, R., Roodenrys, S., Johnstone, S.J., & Solowij, N. (2006). ERP correlates of categorical word recall in heavy cannabis users. *Clinical EEG and Neuroscience*, 37, p. 146.
34. Markovska, V. & Johnstone, S.J. (2006). An ERP study of response inhibition in non-clinical obsessive-compulsive adults. *Clinical EEG and Neuroscience*, 37, p. 161.
35. Dimoska, A., & Johnstone, S.J. (2006). Low and high trait impulsiveness in the stop-signal task: Underlying differences in ERPs but not performance. *Clinical EEG and Neuroscience*, 37, p. 150.
36. Broyd, S.J., Johnstone, S.J., & Roodenrys, S. (2006). ERP indices of varying levels of distraction in an Eriksen flanker task. *Clinical EEG and Neuroscience*, 37, p. 148.
37. Smith, J.L., Johnstone, S.J., & Barry, R.J. (2006). Response preparation and inhibition in an auditory warned frequent-Go/rare-NoGo task. *Clinical EEG and Neuroscience*, 37, p. 169.
38. Johnstone, S.J., Dimoska, A., Chiswick, D., Barry, R.J., & Clarke, A.R. (2006). Development of inhibitory processing in the stop-signal task: Traditional and narrow-band ERP perspectives. *Clinical EEG and Neuroscience*, 37, p. 157.
39. Oddy, B., Barry, R.J., Johnstone, S.J., Clarke, A.R. (2006). N2 versus P3 as a marker of inhibitory processing in a visual Go/NoGo task: An exploration in social drinkers. *Clinical EEG and Neuroscience*, 37, p. 164.
40. Thomas, S.J., Gonsalvez, C.J., Johnstone, S.J. (2006). Event-related potentials in obsessive-compulsive disorder during an emotional Stroop task. *Clinical EEG and Neuroscience*, 37, p. 170.
41. Barry, R. J., Clarke, A. R., McCarthy, R., Selikowitz, M. and Johnstone, S. J. (2005). Development of EEG coherence in boys vs girls with Attention-Deficit/Hyperactivity Disorder. *Australian Journal of Psychology*, 57 (Supplement), p. 17.
42. Broyd, S., Johnstone, S. J. and Roodenrys, S. (2005). Electrophysiological correlates of interference control. *Australian Journal of Psychology*, 57 (Supplement), p. 20.
43. Clarke, A. R, Barry, R. J., McCarthy, R., Selikowitz, M., McGee, C. A., Johnstone, S. J. and Croft, R. J. (2005). The EEG in subnormal-IQ children with attention-deficit/hyperactivity disorder. *Australian Journal of Psychology*, 57 (Supplement), p. 21.
44. Hsu, C. I., Clarke, A. R., Barry, R. J., McCarthy, R., Selikowitz, M. and Johnstone, S. J. (2005). Active vs passive processing in AD/HD children: An EEG analysis. *Australian Journal of Psychology*, 57 (Supplement), p. 26.
45. Johnstone, S. J., Pleffer, C. B., Barry, Smith, J. L. and Clarke, A. R. (2005). Electrophysiological indices indicate differential utilisation of inhibitory processing during the go/nogo task in children compared to adults. *Australian Journal of Psychology*, 57 (Supplement), p. 26.
46. Smith, J. L., Johnstone, S. J. and Barry, R. J. (2005). Effects of overt vs covert responding on inhibitory processes in a cued go/nogo task. *Australian Journal of Psychology*, 57 (Supplement), p. 37.
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4. Conference presentations (not published in journal)

Broyd, S., Johnstone, S. J., Roodenrys, S. (2006). Varying the level of distraction in an Eriksen flanker task: Incremental effects on ERP and performance indices of response conflict. Paper presented at 6th Congress of the Federation of European Psychophysiology Societies, Budapest, Hungary May 31-June 3 2006.

Johnstone, S. J., Dimoska, A., Chiswick, D., Barry, R. J. and Clarke, A. R. (2006). Development of inhibitory processing in the stop-signal task: Traditional and narrow-band ERP perspectives. Paper presented at 6th Congress of the Federation of European Psychophysiology Societies, Budapest, Hungary May 31-June 3 2006.

Smith, J. L., Johnstone, S. J., Barry, R. J. (2006). Response preparation and inhibition in a frequent-Go/rare-Nogo task: Evidence against an inhibitory N2. Paper presented at 6th Congress of the Federation of European Psychophysiology Societies, Budapest, Hungary May 31-June 3 2006.

Research Funding (categorised)

From	To	Investigators	Project Title	Funding Source	Amount
National Competitive Funding					
2011	2013	CI: Solowij, Croft, Todd, Fernandez, Michie, McGuire, Murray. PI: Johnstone, Tooney, Zuardi	Vulnerability markers in the association between cannabis and schizophrenia	NHMRC Project	\$499,006
2011	2013	Ciarrochi, Heaven, Jackson, Johnstone, Leeson, Caltabiano	A longitudinal study into the development of personal vulnerabilities and well-being in adolescence	ARC Discovery	\$264,000
2006	2008	Barry, Clarke, Johnstone	Exploring the brain mechanisms underlying hyperactivity in Attention-Deficit/Hyperactivity Disorder	ARC Discovery	\$175,000
2005	2007	Johnstone	Disinhibition in Attention-deficit Hyperactivity Disorder: A behavioural and psychophysiological investigation	ARC Discovery	\$150,000
Internal Research Funding					
2009	2009	Barry, Palmisano, Croft, Johnstone, Hill, Favelle	High speed infrared pupilometer	Research Infrastructure Block Grant	\$38,000
2009	2009	Johnstone	Development of a portable EEG device for research	URC Research Partnerships Grant	\$16,000
2007	2007	Johnstone and Roodenrys	Development of a cognitive training intervention for the treatment of Attention-Deficit Hyperactivity Disorder (ADHD)	UOW, URC Small Grant	\$12,000
2005	2005	Barry, Clarke, Johnstone, Rushby	Arousal versus Activation: A psychophysiological clarification of the energetics of attentional processing in ADHD	UOW, URC (ARC Near Miss)	\$15,000
2005	2005	Johnstone, Clarke, Barry	A replacement EEG recording system for ARC-funded ADHD and other research	UOW, RIBG	\$28,000
2005	2005	Solowij, Roodenrys, Johnstone	Impacts upon daily mental functioning caused by varying patterns of cannabis use	UOW, URC	\$8000
2004	2004	Johnstone, Barry, Clarke	The role of inhibitory dysfunction	UOW, URC	\$20,000

			and energetic factors in Attention-deficit Hyperactivity Disorder: A behavioural and psychophysiological perspective	(ARC Near Miss)	
2003	2003	Johnstone, Barry, Clarke, Roodenrys	Inhibitory dysfunction and energetic factors in Attention-deficit Hyperactivity Disorder.	UOW, URC (ARC Near Miss)	\$15,000
2002	2002	Clarke, Barry, Johnstone, Gonsalvez	A portable electroencephalograph for off-campus research on clinical populations.	UOW, RIBG	\$25,000
2002	2002	Johnstone, Barry, Roodenrys, Clarke	Inhibitory dysfunction and energetic factors in Attention-deficit Hyperactivity Disorder.	UOW, URC (ARC Near Miss)	\$14,000
2000	2000	Johnstone, Clarke	Development of a developmental electrophysiological database for ADHD research.	RREF, HBS Faculty	\$7,000
2000	2000	Johnstone	Clinical and developmental electrophysiology and fundamental EEG/ERP research	UOW, New Researcher	\$2,500

RIBG = Research Infrastructure Block Grant; URC = University Research Committee; RREF = Research & Research Equipment Funds

Research Funding (full List)

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, \$499,006.

Ciarrochi, J., Heaven, P. C., Jackson, C. J., Johnstone, S. J., Leeson, P. R., Caltabiano, N. J. (2011-13). A longitudinal study into the development of personal vulnerabilities and well-being in adolescence. ARC Discovery, \$264,000.

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

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

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

Barry, R. J., Clarke, A. R. & Johnstone, S. J. (2006-8). Exploring the brain mechanisms underlying hyperactivity in Attention-Deficit/Hyperactivity Disorder. Australian Research Council Discovery Project. Amount 2006 \$60,000; 2007 \$55,000; 2008 \$60,000.

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 Research Committee Discovery Projects Near-Miss Grant. Amount \$15,000.

Johnstone, S. J., Clarke, A., Barry, R. (2005). A replacement EEG recording system for ARC-funded ADHD and other research. Research Infrastructure Block Grant (Pool 2). Amount: \$28,000.

Johnstone, S. J. (2005-07). Disinhibition in Attention-deficit Hyperactivity Disorder: A behavioural and psychophysiological investigation. Australian Research Council Discovery Project. Amount 2005 \$50,000; 2006 \$50,000; 2007 \$50,000.

Solowij, N., Roodenrys, S. & Johnstone, S. J. (2005). Impacts upon daily mental functioning caused by varying patterns of cannabis use. 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 Research Committee Discovery Projects Near-Miss Grant. Amount \$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 Research Committee Discovery Projects Near-Miss Grant. Amount \$15,000.

Clarke, A., Barry, R., Johnstone, S., Gonsalvez, C. (2002). A portable electroencephalograph for off-campus research on clinical populations. Research Infrastructure Block Grant (Pool 2). Amount \$25000.

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

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

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

Professional Memberships

President (2006-2009), Australasian Society for Psychophysiology

Member, (1994-current), Australasian Society for Psychophysiology

Member, Society for Psychophysiological Research (USA)