

## **Professor Adam John Guastella**

### **Current Position**

Michael Crouch Chair in Child and Youth Mental Health  
Children's Hospital Westmead Clinical School  
Faculty of Medicine and Health  
The University of Sydney  
e-mail: adam.guastella@sydney.edu.au

Research Clinic Director: Clinic for Autism and Neurodevelopment (CAN) research

### **Team web pages:**

1. Team Web Page: <https://www.canresearch.com.au/>
2. University Web Page: <https://www.sydney.edu.au/brain-mind/our-clinics/autism-clinic.html>
3. Sydney Health Partners Team Web Page:  
<https://sydneyhealthpartners.org.au/clinical-academic-groups/child-development-and-mental-health/>

### **Academic Training**

2004 Doctor of Philosophy (Clinical Psychology) Griffith University  
1999 Honours in Behavioural Science (1<sup>st</sup> Class) Griffith University  
1998 Bachelor of Arts, Central Queensland University

### **Academic Positions**

2019 – Present	Professor Michael Crouch Chair in Child and Youth Mental Health Brain & Mind Centre Children's Hospital Central Clinical School, Faculty of Medicine and Health
2016 – 2019	Research Professor, Brain and Mind Centre, Central Clinical School, Faculty of Medicine and Health, University of Sydney
2007 - 2016	Research Fellow, Brain and Mind Institute, Central Clinical School, Faculty of Medicine, University of Sydney
2003-2007	Post-Doctoral Fellow, School of Psychology, UNSW

### **Clinical Positions**

2016-present	Clinical Psychologist St Vincent's Hospital Private Mental Health
2010-16	Clinical Psychologist Headspace Camperdown

### **Professional Memberships**

AHPRA ID (PSY0001143513); Medicare Approved Clinical Psychologist  
Australian Psychological Society (APS) Full Member (103297)  
APS Clinical Psychology endorsement  
Society for Mental Health Research (Full Member)  
International Society for Autism Research (INSAR Full Member)  
Australian Society for Autism Research (ASFAR Full Member)

## Leadership, Committees and Boards

Academic Co-Lead:

- Child Development and Mental Health Group, Brain and Mind Centre, University of Sydney. <https://www.sydney.edu.au/brain-mind/our-research/child-development/child-neurodevelopment-and-mental-health.html>
- Child Development and Mental Health Group, Sydney Health Partners: <https://sydneyhealthpartners.org.au/clinical-academic-groups/child-development-and-mental-health/>

## Committees

International Society for Autism Research Conference Committee Member 2024-ongoing.

Clinical Trial Ethics Committee for Sydney Children Hospital Network

Prader Willi Foundation Research Advisor

## Awards

2021 Top 0.1% most cited Clarivate Researcher Award

Distinguished Research Career Award, Australian Psychological Society 2021.

Aubrey Lewis Biological Psychiatry Australia Early Researcher Award: 2014.

Tracey Goodall Early Career Researcher Award (AACBT): 2007.

## Patents

McGregor, I., Carson, D., **Guastella**, A., Bowen, M. (2010). Therapy and Prevention of Problem Drinking (2009904810)

Goal: New therapy for alcohol addiction

Sun, C., **Guastella**, A.J., Ouyang, W., McEwan, A. (2024). Behavior Recognition.:

]Goal: Use of AI algorithms to detect autism and emotion from faces.

## Publication Metric Summary

Over the last 10 years, my research metrics show I am first/last author on 50.7% of papers, and 80% of my top 30 cited studies.

Scholar GPS ranks my record in the top:

0.29% of all researchers

0.6% of psychiatry researchers

0.48% of autism researchers

## Research Grants & Awards

\$2,500,000 **Guastella** A.J. (2025) Novel MDMA treatment for social anxiety in autistic adults: Pharmala contract.

\$100,000 p/y **Guastella** A.J. (2018 ongoing). CBT for social anxiety in autistic adults. South East Sydney Primary Healthcare Network.

\$100,000 p/y The Digi-Kids Hub for children and families (2023-ongoing). Philanthropic contribution.

\$250,000 **Guastella**, A.J. Evaluation of AI digital platforms for child development and functioning in the family home. Sponsored contract.

\$300,000 **Guastella**, A.J. 2024-5. An evaluation of Head to Health Kids Hubs in New South Wales. NSW Government Tender.

\$3, 762, 327	Bedi, G., <b>Guastella</b> , A.J., Coghill, D., Wood, S., McGorry, P., Chanen, A., Hickie, I., Pan Yuen, H., Boulton, K.A., Guerin, A.J. <b>NHMRC MRFF</b> 2021. Innovative Therapies for Mental Illness Grant Opportunity. 2022-2026. A randomised controlled trial of MDMA-assisted psychotherapy for treatment-resistant social anxiety in young adults with autism spectrum disorder. (1.2 M to USYD)
\$600, 000	Piguet, O., Kumfor, F., <b>Guastella</b> , A.J., Ahmed, R., Landin-Romero, R., & Demetriou, E. Frontotemporal dementia or autism spectrum disorder: Refining the diagnosis of emerging social impairments in older adults <b>NHMRC-DCRC</b> World Class Research Grant 2021-24 (ID 208884)
\$1, 903, 208	Enticott, P., Fitzgerald, P., Barlow, K., Hickie, I., Licari, M., Rocasch, N., Middeldorp, C., Clark, S., Vallence, A.N., & Boulton, K. A. <b>NHMRC MRFF – Clinical Trials Activity – 2019 Neurological Disorders Grant Opportunity</b> National Health and Medical Research Council. 2020-2024. Project Title: Does repetitive transcranial magnetic stimulation (rTMS), compared to sham rTMS, improve social communication in adolescents and young adults with autism spectrum disorder (ASD)? 2020-2024: ( <i>Associate Investigator and post-doc Boulton is a CI</i> )
\$200, 000	<b>Guastella</b> , A.J., Boulton, K.A., Morgan, C., Novak, I., Crowle, C., Honan, I., & Rogerson, N. <b>Project Grant</b> , (2021-2024) Cerebral Palsy Alliance. Project Title: Exploring early life markers to predict social development in Cerebral Palsy and risk for Autism Spectrum Disorder.
\$82,299	Phillips, N.L., <b>Guastella</b> , A.J, Morgan, C., Tanis, E., Novak, I., Honan, I., (2022-2024) Identifying the emergence and early development of executive dysfunction in infants with CP, <b>Cerebral Palsy Alliance</b> . #ERG01121
\$75,732	Boulton, K.A., <b>Guastella</b> , A.J., Silove, N., Karlsson, P., Ford, J. (2022-2024). Identification of Transdiagnostic Needs in Children and Youth with Cerebral Palsy, <b>Cerebral Palsy Alliance</b> . #ERG01921
\$77,155	Demetriou E.D., <b>Guastella</b> , A.J., Lewis, S. (2022-2024) Executive function markers in adults with Cerebral Palsy, <b>Cerebral Palsy Alliance</b> . #ERG02323.
\$1, 023, 000	<b>Guastella</b> , A.J, Dawson G, Dissanayake C, Eapen V, Song C, Feldman R, Silove N; Oxytocin enhancement of ESDM for toddlers with autism <b>NHMRC Project Grant</b> 2017-22, APP1125429.
\$1, 337, 000	<b>Guastella</b> A, J., Hickie I, Young L, Banati R, Djupesland P, Lagopoulos J, Gregoire M; Understanding biological pathways underlying social behaviour in humans, <b>Australian Research Council/ Linkage Projects</b>
\$3, 434, 588	Hickie, IB, McGorry, Leweke, M, <b>Guastella</b> , A.J., Scott, J., Scott, EM., Mihalopoulos, C., Cripps, Iorfino, F., & Rohleder, C. (2020-2025). A large-scale clinical effectiveness (health services) trial to determine whether personalised health care packages, combined with digitally supported measurement-based care, improve functional outcomes in young people with mood disorders (APP ID: 2001568).
\$1, 134, 007	Hickie, I.B., <b>Guastella</b> , A.J., Troy, J., Banati, R., Occhipinti, J., La Monica, H.& Scott, E. (2021- 2023) Thrive By Five International Parenting Mobile App. <b>Minderoo Foundation</b>
\$693, 035	<b>Guastella</b> , A.J., Haber P, Hermens D, Morley K, Lagopoulos J, Song, C. A randomized controlled trial of oxytocin nasal spray for alcohol dependence <b>NHMRC Project Grants</b> . 2017-2021: APP1123421
\$50, 000	Naismith S, <b>Guastella</b> A.J., McCade D; Does the use of intranasal oxytocin improve emotional functioning and reduce carer burden in

	Alzheimer's Disease; <b>The Judith Jane Mason and Harold Stannett Williams Memorial Foundation/Medical and Scientific Research Grants</b> (2015).
\$50, 000	McCade D, Naismith S, <b>Guastella</b> A.J. (2015) A Therapeutic Intervention in Alzheimer's Disease; Intranasal Oxytocin Administration to Enhance motion Processing and Reduce Caregiver Burden; <b>Alzheimer's Australia Dementia Research Foundation/Project Grant</b> (2015).
\$30, 000	<b>Guastella</b> , A.J. Oxytocin and health. University of Sydney DVC Bridging support grant.
\$16, 000	Booij, L., & <b>Guastella</b> , A.J. (2015). Serotonin transporter methylation and brain development: studies in autism and interaction with oxytocin, <b>DVC Research/International Research Collaboration Award (IRCA)</b>
\$50, 000	<b>Guastella</b> , A.J., Naismith, S.N., Hawes D.J., Hickie I, Morley, K., De Rosnay, M., Einfeld, S.L., Lagopoulos, J., Menzies R, Matthews, S. (2013) Clinical observation and comprehensive psychophysiological recording and behavioural coding equipment. <b>National Health and Medical Research Council (NHMRC) Equipment Grants.</b>
\$447 840	<b>Guastella</b> A.J. (2014-17). Determining the role of oxytocin and associated analogues in treatments for social dysfunction. <b>NHMRC Career Development Fellowship.</b>
\$2, 499, 421	Hickie IB, McGorry P, Christensen H, Berk M, Naismith S, Glozier N, Burns J, <b>Guastella</b> A.J., Davey C, Amminger P. NHMRC CRE. Optimising early interventions for young people with emerging mood disorder. over five years. 2013-2018. APP ID: 1061043
\$496, 000	<b>Guastella</b> , A.J., Whitehouse, A.J.O., Gregory, S. Oxytocin treatment for toddlers with autism. <b>NHMRC Project Grant</b> (2013-5)
\$250, 000	<b>Guastella</b> , A.J., Young, L.J., Hickie, I.B., Thomas, E., & Andari, E. Examination of melanocortin receptor agonists in the treatment of autism. <b>Simons Foundation.</b> (2012-2014).
\$250, 000	<b>Guastella</b> , A.J. Lagopoulos, J., Hickie, I.B., Bennett, M. Assessing markers of response to oxytocin as a treatment for autism. <b>BUPA Foundation</b> , 2012-3.
\$299, 200	<b>Guastella</b> , A.J., MacLeod, C., Scott, E.M. Attentional and conditioning mechanisms that mediate overcoming anxiety. <b>ARC Linkage</b> (2012-15)
\$286, 000	<b>Guastella</b> , A.J, Langdon, R.A., Scott, E.M., Ward, P.B., Naismith, S.L., Redoblado Hodge, M.A. Examination of the cognitive and biological circuitry underlying social-cognitive training in first episode psychosis. <b>ARC Linkage</b> 2011-13)
\$196, 500	<b>Guastella</b> , A.J., Langdon, R., Redoblado-Hodge, Ward, & Scott. Effects of Oxytocin on Social Cognition in Schizophrenia. <b>NHMRC Project Grant</b> (2010-12).
\$286, 500	<b>Guastella</b> , A.J., Einfeld, S., Rinehart, N., Gray, K. A Randomized Controlled Trial of Oxytocin for Young People with Autism. NHMRC Project Grant (2010-12).
\$200, 000	Russell, J., Treasure, J., <b>Guastella</b> , A.J., Schmidt, U., Tchanturia, K., Maguire, S., Carson D., The effect of oxytocin on cognitive rigidity and social anxiety in eating disorders: A randomized placebo-controlled trial of the effects of oxytocin in the treatment of anorexia nervosa. <b>Butterfly Foundation</b> , 2011.
\$196, 500	Einfeld, S.E., <b>Guastella</b> , A.J., Smith, E., Oxytocin Treatment for Prader-Willi Syndrome. <b>NHMRC Project Grant</b> (2010-11).

\$186, 500	<b>Guastella, A.J.</b> , Einfeld, S., Rinehard, N., Gray, K., Lambert, T., & Tonge, B. Effects of Oxytocin in Young People with Autism. <b>NHMRC Project Grant</b> (2009-10).
\$507, 500	Lintzeris, N., McGregor, I., Winstock, A., & <b>Guastella, A. J.</b> A Trial of lithium carbonate for cannabis withdrawal. <b>NHMRC Project Grant</b> (2009-10).
\$50, 000	<b>Guastella, A.J.</b> D-Cycloserine augmentation of psychological treatments for young adults with Social Anxiety Disorder. <b>University of Sydney Bridging Support Grant</b> (2009).
\$20, 000	<b>Guastella, A.J.</b> The effect of Oxytocin on the processing of positive and threatening social cues. <b>University of Sydney Bridging Support</b> (2009).
\$40, 000	<b>Guastella, A.J.</b> <b>UNSW Goldstar/ Near Miss</b> , 2008.
\$395, 000	<b>Guastella, A.J.</b> Dadds, M.R., Richardson, R., & Lovibond, P. D-Cycloserine and Conditioning: Increasing The Effectiveness Of Exposure Therapy For Fear And Anxiety. <b>NHMRC Project Grant</b> 2005-2007
\$40, 000	Dadds, M. & <b>Guastella A.J.</b> Mechanisms of Change in Emotional Processing of Trauma. <b>ARC Goldstar</b> 2006
\$98, 750	Dadds & <b>Guastella, A.J.</b> Structured Writing Tasks: Examination of the process of change as indicated by cognitive-behavioural models of trauma. 2003-4. <b>ARC Discovery Grant</b> .
\$24, 000	Testing the therapeutic effects of emotional writing for trauma experiences. Dadds & <b>Guastella, A.J.</b> 2002 <b>ARC Small Grants Scheme</b> , Griffith University

### **Sponsored clinical trials**

My team has engaged in sponsored clinical trials in international networks. This has drawn more than 500k in funding just in the last three years. This been associated with a development of many novel therapies including gut microbiome, endocannabinoid and MDMA therapies.

### **Policy Documents**

O'Donovan, M., Dew, A., Imms, C., Smith-Merry, J., Hemsley, B., Gilroy, J., Meltzer, A., Yen, I., Ellem, K., Muller, A., **Guastella, A.**, McVilly, K., O'Shea, A., Gallego, G., et al (2022). Setting an agenda for disability research in Australia: organisation-led and targeted consultation report. National Disability Insurance Agency.

O'Donovan, M.A., Demetriou, E.A., Whittle, E. Duke, Z., Aitkens, T., **Guastella & A.J.** Home and Living Options for People with Disabilities: A systematic review and environmental scan of strategies to support transition from group homes and congregate care, and those which prevent movement to congregate settings. Funder: National Disability Insurance Agency.

### **Full Publication List**

1. Boulton, K. A., & **Guastella, A. J.** (2025). Development of precision medicine approaches to advance clinical trials for autism and social behavior: A research imperative. **Proceedings of the National Academy of Sciences**, *122*(1), e2424066122.
2. Boulton, K. A., & **Guastella, A. J.** (2025). Executive function in cerebral palsy: A transdiagnostic marker for neurodevelopmental complexity. **Developmental medicine and child neurology**. doi: 10.1111/dmcn.16341.

3. Boulton, K. A., Hankin, L., Hodge, M.-A., Ong, N., Silove, N., & **Guastella, A. J.** (2025). Caregiver-identified strengths in children attending their first neurodevelopmental assessment: Findings from the Sydney child development research registry and development of a child strengths checklist. **Autism**, 13623613251325287.
4. Boulton, K. A., Hilton, M., Sutton, E., & **Guastella, A. J.** (2025). Apps and Digital Resources for Child Neurodevelopment, Mental Health, and Well-Being: Review, Evaluation, and Reflection on Current Resources. **Journal of medical Internet research**, 27, e58693.
5. Dipnall, L. M., Fitzgerald, P. B., Barlow, K., **Guastella, A.**, Licari, M. K., Rogasch, N. C., Clark, S. R., Vallence, A.-M., Boulton, K., & Rodriguez, B. (2025). Safety and tolerability of intermittent theta burst stimulation (TBS) in young people with autism spectrum disorder. **Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation**, 18(1), 574.
6. **Guastella, A. J.**, Hankin, L., Stratton, E., Glozier, N., Pellicano, E., & Gibbs, V. (2025). Improving accessibility for work opportunities for adults with autism in an end-to-end supported workplace program: protocol for a mixed methods cohort study. **JMIR Research Protocols**, 14(1), e60806.
7. Harrison, F., Mortby, M. E., Lloyd, A. R., **Guastella, A. J.**, Trollor, J. N., Sachdev, P. S., & Brodaty, H. (2025). Apathy is distinct from depression or fatigue and is associated with poor physical health in an older community cohort. **International Psychogeriatrics**, 100089.
8. Hickie, I. B., Rosenberg, S., Carpenter, J. S., Crouse, J. J., Hamilton, B., Hermens, D., **Guastella, A.**, Leweke, M., Capon, W., & Scott, E. M. (2025). Novel youth mental health services in Australia: What differences are being reported about the clinical needs of those who attend and the outcomes achieved? **Australian & New Zealand Journal of Psychiatry**, 59(2), 99-108.
9. Hodge, M. A., Sutherland, R., Boulton, K. A., Baracz, S. J., Ong, N., Bennett, B., **Guastella, A. J.**, & Silove, N. (2025). Focusing on autism symptoms masks sex-specific needs of autistic children: An example from the Sydney Child Neurodevelopment Research Registry. **Autism**, 29(5), 1318-1332.
10. Ong, N., Boulton, K., Milne, J., Tomsic, G., **Guastella, A.**, Silove, N., Weise, J., Long, J., Walton, M., & Burgess, A. (2025). Identifying Patient Safety Competencies for Healthcare Staff Treating Children and Young People With Intellectual Disability in Hospitals: A Delphi Study. **Journal of Applied Research in Intellectual Disabilities**, 38(1), e13329.
11. Rodriguez, B., Hill, A. T., Fitzgerald, P. B., Barlow, K., **Guastella, A.**, Licari, M. K., Rogasch, N. C., Clark, S. R., Vallence, A.-M., & Boulton, K. (2025). Impact of theta burst stimulation on face processing in autism: Interim results from a randomised controlled trial. **Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation**, 18(1), 538.
12. Roisenberg, B. B., Boulton, K. A., Thomas, E. E., & **Guastella, A. J.** (2025). Cognitive-Behavior Therapy for Social Anxiety Does Not Increase Reports of Camouflaging Behavior in Autistic Adults: Results From an Exploratory Study. **Autism Research** <https://doi.org/10.1002/aur.70103>
13. Wong, T. R., Boulton, K. A., Demetriou, E. A., Thomas, E. E., Phillips, N. L., Hankin, L., Park, S. H., Hickie, I. B., & **Guastella, A. J.** (2025). Executive Function and Social Cognition Performance Predicts Social Difficulty for Autistic Adults. **Autism Research** <https://doi.org/10.1002/aur.70090>
14. Ambarchi, Z., Boulton, K. A., Thapa, R., Arciuli, J., DeMayo, M. M., Hickie, I. B., Thomas, E. E., & **Guastella, A. J.** (2024). Social and joint attention during shared book reading in young autistic children: a potential marker for social

- development. **Journal of Child Psychology and Psychiatry**, 65(11), 1441-1452.
15. Boulton, K., Ambarchi, Z., Thapa, R., Arciuli, J., DeMayo, M., Thomas, E., Hickie, I., & **Guastella**, A. (2024). 90. Social and Joint Attention During Shared Book Reading in Young Autistic Children: A Potential Marker for Social Development and Response to Oxytocin Social Interventions. **Biological Psychiatry**, 95(10), S136.
  16. Boulton, K. A., Hodge, A., Levu, K., Ong, N., Silove, N., & **Guastella**, A. J. (2024). Access and barriers to supports for children and caregivers attending public child developmental assessment services: Findings from the Sydney child neurodevelopment research registry. **Autism Research**, 17(3), 555-567.
  17. Boulton, K. A., Lee, D., Honan, I., Phillips, N. L., Morgan, C., Crowle, C., Novak, I., Badawi, N., & **Guastella**, A. J. (2024). Exploring early life social and executive function development in infants and risk for autism: a prospective cohort study protocol of NICU graduates and infants at risk for cerebral palsy. **BMC psychiatry**, 24(1), 359.
  18. Demetriou, E. A., Boulton, K. A., Bowden, M. R., & **Guastella**, A. J. (2024). Adjustment and homesickness in hospitalised children: A systematic review. **Clinical Psychology Review**, 110, 102431.
  19. **Guastella**, A., Lee, I., Sedozai, A., Sun, C., Philips, N., Munro, M., Kumfor, F., Demetriou, E., & Boulton, K. (2024). 286. The Emergent Transdiagnostic Phenotype of Attention and Executive Function Delay in Neurodevelopmental Conditions. **Biological Psychiatry**, 95(10), S217.
  20. Harrison, F., Mortby, M. E., **Guastella**, A. J., Trollor, J. N., Mather, K. A., Sachdev, P. S., & Brodaty, H. (2024). Apathy and fatigue, but not depression, associated with inflammatory biomarkers in older adults. **Alzheimer's & Dementia**, 20, e093242.
  21. Harrison, F., Mortby, M. E., **Guastella**, A. J., Trollor, J. N., Mather, K. A., Sachdev, P. S., & Brodaty, H. (2024). Clinical Manifestations. **Alzheimer's & dementia: the journal of the Alzheimer's Association**, 20, e093242.
  22. Hickie, I. B., LaMonica, H. M., **Guastella**, A. J., Boulton, K. A., Ospina-Pinillos, L., Szatmari, P., Gallagher, L., & Crouse, J. J. (2024). What childhood and related developmental factors are relevant to the risk of onset and course of depression and other mood disorders? **Research Directions: Depression**, 1, e5.
  23. Hodge, A., Sutherland, R., Ong, N., Chan, E., Barnett, D., Bennett, B., Boulton, K., Francis, D., **Guastella**, A., & Papanicolaou, A. (2024). Telehealth assessment of autism in preschoolers using the TELE-ASD-PEDS: A pilot clinical investigation. **International Journal of Speech-Language Pathology**, 26(6), 767-783.
  24. Lee, D., Boulton, K. A., Sun, C., Phillips, N. L., Munro, M., Kumfor, F., Demetriou, E. A., & **Guastella**, A. J. (2024). Attention and executive delays in early childhood: a meta-analysis of neurodevelopmental conditions. **Molecular Psychiatry**, 1-9.
  25. Mulraney, M., De Silva, U., Joseph, A., Fialho, M. d. L. S., Dutia, I., Munro, N., Payne, J. M., Banaschewski, T., De Lima, C. B., Bellgrove, M. A.... **Guastella** A.J. ... Coghill, D. (2024). International consensus on standard outcome measures for neurodevelopmental disorders: a consensus statement. **JAMA network open**, 7(6), e2416760-e2416760.
  26. Nielsen, T. C., Nassar, N., Boulton, K. A., **Guastella**, A. J., & Lain, S. J. (2024). Estimating the prevalence of autism spectrum disorder in New South Wales, Australia: A data linkage study of three routinely collected datasets. **Journal of Autism and Developmental Disorders**, 54(4), 1558-1566.
  27. Nielsen, T. C., Nassar, N., Shand, A. W., Jones, H. F., Han, V. X., Patel, S.,

- Guastella, A. J., Dale, R. C., & Lain, S. J. (2024).** Association between cumulative maternal exposures related to inflammation and child attention-deficit/hyperactivity disorder: a cohort study. **Paediatric and Perinatal Epidemiology**, *38*(3), 241-250.
28. Perry, N., Boulton, K., Hodge, A., Ong, N., Phillips, N., Howard, K., Raghunandan, R., Silove, N., & **Guastella, A. (2024).** A psychometric investigation of health-related quality of life measures for paediatric neurodevelopment assessment: Reliability and concurrent validity of the PEDS-QL, CHU-9D, and the EQ-5D-Y. **Autism Research**, *17*(5), 972-988.
29. Perry, N., Sun, C., Munro, M., Boulton, K. A., & **Guastella, A. J. (2024).** AI technology to support adaptive functioning in neurodevelopmental conditions in everyday environments: a systematic review. **NPJ Digital Medicine**, *7*(1), 370.
30. Sadozai, A. K., Sun, C., Demetriou, E. A., Lampit, A., Munro, M., Perry, N., Boulton, K. A., & **Guastella, A. J. (2024).** Executive function in children with neurodevelopmental conditions: a systematic review and meta-analysis. **Nature Human Behaviour**, *8*(12), 2357-2366.
31. Veloso, G., Porter, M., Boulton, K., & **Guastella, A. (2024).** A PRISMA Systematic Review: Parent Sensitivity in Autism Spectrum Disorder and Its Relationship with Child and Parent Characteristics. **Review Journal of Autism and Developmental Disorders**, 1-20.
32. Ambarchi, Z., Boulton, K., Thapa, R., Thomas, E., DeMayo, M., Sasson, N., Hickie, I., & Guastella, A. J. (2023). Evidence of a reduced role for circumscribed interests in the social attention patterns of children with Autism Spectrum Disorder. **Journal of Autism and Developmental Disorders**, *53*(10), 3999-4011.
33. Boulton, K., Jameson, C., Silove, N., Nanan, R., & Guastella, A. (2023). 541. Ectodermal Origins of the Skin-Brain Axis in Children With Neurodevelopmental Conditions. **Biological Psychiatry**, *93*(9), S312-S313.
34. Boulton, K. A., Guastella, A. J., Hodge, M.-A., Demetriou, E. A., Ong, N., & Silove, N. (2023). Mental health concerns in children with neurodevelopmental conditions attending a developmental assessment service. **Journal of Affective Disorders**, *335*, 264-272.
35. Boulton, K. A., Hodge, M.-A., Jewell, A., Ong, N., Silove, N., & Guastella, A. J. (2023). Diagnostic delay in children with neurodevelopmental conditions attending a publicly funded developmental assessment service: findings from the Sydney Child Neurodevelopment Research Registry. **BMJ open**, *13*(2), e069500.
36. Bruno, C., Havard, A., Gillies, M. B., Coghill, D., Brett, J., Guastella, A. J., Pearson, S.-A., & Zoega, H. (2023). Patterns of attention deficit hyperactivity disorder medicine use in the era of new non-stimulant medicines: a population-based study among Australian children and adults (2013–2020). **Australian & New Zealand Journal of Psychiatry**, *57*(5), 675-685.
37. Chong, M. K., Hickie, I. B., Cross, S. P., McKenna, S., Varidel, M., Capon, W., Davenport, T. A., LaMonica, H. M., Sawrikar, V., & Guastella, A. (2023). Digital application of clinical staging to support stratification in youth mental health services: validity and reliability study. **JMIR Formative Research**, *7*, e45161.
38. Crouse, J. J., LaMonica, H. M., Song, Y. J. C., Boulton, K. A., Rohleder, C., DeMayo, M. M., Wilson, C. E., Loblay, V., Hindmarsh, G., & Stratigos, T. (2023). Designing an app for parents and caregivers to promote cognitive and socioemotional development and well-being among children aged 0 to 5 years in diverse cultural settings: scientific framework. **JMIR Pediatrics and Parenting**, *6*(1), e38921.
39. Demetriou, E. A., Boulton, K. A., Thapa, R., Sun, C., Gilroy, J., Bowden, M. R., & Guastella, A. (2023). Burden of paediatric hospitalisations to the health care

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### Conversation Articles

1. What are executive function delays? Research shows they're similar in ADHD and autism: <https://theconversation.com/what-are-executive-function-delays-research-shows-theyre-similar-in-adhd-and-autism-238760>Guastella
2. Focusing on a child's strengths can transform assessments – and help them thrive after an ADHD or autism diagnosis: <https://theconversation.com/focusing-on-a-childs-strengths-can-transform-assessments-and-help-them-thrive-after-an-adhd-or-autism-diagnosis-250640>
3. Can apps and digital resources support your child with autism or ADHD here's what to look for. <https://theconversation.com/can-apps-and-digital-resources-support-your-child-with-autism-or-adhd-heres-what-to-look-for-241468>
4. Gps will be a great help for managing ADHD medications. But many patients will still need specialists: <https://theconversation.com/gps-will-be-a-great-help-for-managing-adhd-medications-but-many-patients-will-still-need-specialists-257610>
5. Around half of kids getting neurodevelopmental assessment show signs of mental distress. We can support them better : <https://theconversation.com/around-half-of-kids-getting-neurodevelopmental-assessment-show-signs-of-mental-distress-we-can-support-them-better-205225>
6. Wondering about ADHD, autism and your child's development? What to know about getting a neurodevelopmental assessment : <https://theconversation.com/wondering-about-adhd-autism-and-your-childs-development-what-to-know-about-getting-a-neurodevelopmental-assessment-197528>
7. GPs could improve access to ADHD treatment. But we still need specialists to diagnose and start medication : <https://theconversation.com/gps-could-improve-access-to-adhd-treatment-but-we-still-need-specialists-to-diagnose-and-start-medication-210803#:~:text=We%20advocate%20for%20a%20%E2%80%9Ccollaborative, right%20treatment%20for%20the%20patient.>
8. Bugs and allergies in pregnancy linked to child developmental disorders like autism and ADHD: <https://theconversation.com/bugs-and-allergies-in-pregnancy-linked-to-child-developmental-disorders-like-autism-and-adhd-87358#:~:text=Our%20own%20study%20found%20children,system%20does%20this%20remains%20elusive>
9. **The dark side of the love drug – oxytocin linked to gloating envy and aggression:** <https://theconversation.com/the-dark-side-of-the-love-drug-oxytocin-linked-to-gloating-envy-and-aggression-2781>.

### Research Students

## PhD Students (Completions)

- 2012 Dean Carson (NHMRC Scholarship Holder: Passed: Post-doctoral fellowship: Stanford University).
- 2014 Nigel Chen (APA and Deans Merit Scholarship and Passed without correction): Post-doctoral Fellowship (Curtin University).
- 2015 Cristina Cacciotti (APA Scholarship Recipient (Passed with minor correction): Clinical Practice
- 2015 Gail Alvares (APA Scholarship/top-up. (Passed with minor correction): Post-Doctoral Fellowship Telethon Kids Institute.
- 2015 Chathuri Yatawara: Oxytocin and Autism (Passed with minor correction): Post-Doctoral Fellowship Singapore University
- 2016 Anne Masi: Autism, biological markers and placebo response. (Passed with minor correction): Post-Doctoral Fellowship, UNSW.
- 2019 Eleni Demetriou (NHMRC Scholarship): Post-Doctoral Fellowship in our team.
- 2019 Shin Park: Post-Doctoral Fellowship (University of Sydney).
- 2020 Marilena DeMayo (APA Scholarship; University Medal): Post-Doctoral Fellowship Calgary University
- 2020 Shrujna Patel (APA Scholarship): Post-Doctoral Fellowship: Sydney University.
- 2021 Roy Onuha: Clinical Practice.
- 2022 Zahava Ambarchi APA Scholarship Holder
- 2024 Carter Sun (Co-supervised with Alistair McEwan).
- 2024 Ayesha Sadozai (NHMRC Scholarship; Clinician Researcher)

**Other Notable:** 2016. Daniel Quintana – Significant associate supervisor and primary post-doctoral supervisor.

## Honours Completions

24 honours completions most with 1<sup>st</sup> class, 2 with university medals.

## Most Significant Media Interviews

I have been involved in over 100 media interviews across all formats. The most significant include:

1. Sydney Morning Herald: September 25: More support needed for those with ADHD <https://www.smh.com.au/national/more-support-needed-for-those-with-adhd-20220923-p5bkj5.html>
2. Sydney Morning Herald: September 25: What's ADHD and why are more adults being diagnosed with it. <https://www.smh.com.au/national/what-s-adhd-and-why-are-more-adults-being-diagnosed-with-it-20220825-p5bcod.html>
3. Sydney Morning Herald, May 1, Demand for specialist school post COVID: <https://www.smh.com.au/national/nsw/demand-for-specialist-preschools-after-surge-in-autism-diagnoses-20220426-p5ag7a.html>
4. Nine News, April 13 2022. Gut clinical trial and autism. <https://www.youtube.com/watch?v=H4ICGi3BaS4>
5. Seven News, February 1, 2022. Screen time and autism. <https://www.youtube.com/watch?v=Sk0MGdsGR9A>

6. Sydney Morning Herald: January, 2022. Fitzsimmons: Unacceptable wait times for autism diagnosis. <https://www.smh.com.au/national/nsw/unacceptable-wait-to-screen-children-for-developmental-delays-autism-20220125-p59r1d.html>
7. The Daily Telegraph: September, 2021., Child psychologist guide to surviving lockdown <https://www.dailytelegraph.com.au/coronavirus/nsw-covid-child-psychologist-guide-to-surviving-lockdown/news-story/5cc0fa69ec142144539112d417b79a41>
8. Australian Financial Review, May 2021. Disability care without limit becomes a utopian money pit. <https://www.afr.com/policy/economy/disability-care-without-limit-becomes-a-utopian-money-pit-20210518-p57szi>
9. All in the mind: Facing fears and phobias, May 2020. <https://www.abc.net.au/radionational/programs/allinthemind/adam-guastella/10923712>
10. Radio National: High levels of distress and depression in young people on autism spectrum. Norman Swann. <https://www.abc.net.au/radionational/programs/healthreport/distress-depression-young-people-autism-spectrum/10749358>
11. SPECTRUM: Beyond the bench: A conversation with Adam Guastella <https://www.spectrumnews.org/opinion/q-and-a/beyond-bench-conversation-adam-guastella/>
12. Sydney Morning Herald Article: Allergies in pregnancy linked to child developmental disorders, Guastella, Dale and Patel. <https://www.smh.com.au/lifestyle/health-and-wellness/allergies-in-pregnancy-linked-to-child-developmental-disorders-20180227-p4z1xv.html>
13. Employable Me Series (April 2018).
14. Children's Hospital Autism Network (October 2017- Channel 9 News).
15. NEWS.COM.AU: Autism and oxytocin: <https://www.kidspot.com.au/lifestyle/family-health/how-birth-hormone-oxytocin-is-offering-new-hope-for-children-with-autism/news-story/be05f2ee384c4084a8d086171624fbc2>
16. Neuroinflammation in Autism Spectrum Disorders, Channel 10 News, May 2014.
17. ABC News, New hope in autism fight, October 2015. <https://thenewdaily.com.au/life/wellbeing/2015/10/28/spray-help-kids-autism/>
18. The biology of love: SBS. Broadcast 2011.
19. Oxytocin as a new treatment for Autism: ABC News: 20:08:09.
20. The London Times: Hey, bashful – hormone may treat shyness: 28:06:08
21. Weekend Sunrise: Oxytocin and its effects on social anxiety: 26:05:08.
22. NINEMSN (National): Study to test 'love potion' on troubled couples. Reporter: Danielle Cahill.
23. ABC 702 Sydney- The use of Oxytocin to improve relationship therapy. (Sydney) Mornings – Host- Virginia Trioli 30/05/2007 - 08:56 AM
24. Sydney Morning Herald. Scare Tactics. Health Science Cover Story, 3 November 2005. Reporter: Jordan Baker.
25. Catalyst: ABC TV. Fear. 27 October, 2005. Reporter: Mark Hortsman.