

# Dr. Diana Tan

## Academic Qualifications

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**2013-2017:** Doctor of Philosophy in Psychology, University of Western Australia (UWA; awarded 17 Mar 18)

**2012:** Bachelor of Science (First Class Honours) in Psychology, UWA

**2008-2011:** Bachelor of Science in Psychology, UWA

## Employment History

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**2021-Present:** Postdoctoral Research Fellow, School of Education, Macquarie University

**2019-2021:** Postdoctoral Research Associate, School of Psychological Science, UWA

**2018-2019:** Postdoctoral Research Fellow, Autism Research Team, Telethon Kids Institute

**2018:** Postdoctoral Research Associate, School of Psychological Science, UWA

**2017:** Postdoctoral Research Associate, School of Psychological Science, UWA

**2018-2019:** Research Assistant, School of Human Sciences, UWA

**2012-2014:** Research Assistant, Business School, UWA

## Honorary appointments

**2021-Present:** Honorary Research Fellow, School of Psychological Science, UWA

**2019-Present:** Honorary Research Associate, Autism Research Team, Telethon Kids Institute

**2019-Present:** Visiting Researcher, Autism Research Centre, University of Cambridge

**2016:** Visiting PhD Student, Autism Research Centre, University of Cambridge

## Publications

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### Peer-reviewed journal articles

1. O'Reilly, Z. O., Silvera-Tawil, D., Zurr, I., & **Tan, D. W.** (in press). Animation, Theory of Mind and Humanoid Robots: Creating a Social Robot Video Task. *Leonardo* (Q1; JIF = 0.25)
2. Alvares G. A., Licari M. K., Stevenson P. G., Bebbington K., Cooper M. N., Glasson E. J., **Tan D. W.**, Uljarevic M., Varcin K. J., Wray, J., & Whitehouse A. J. O. (2020) Investigating associations between birth order and autism diagnostic phenotypes. *Journal of Child Psychology and Psychiatry*. doi: <https://doi.org/10.1111/jcpp.13349> (Q1; JIF = 6.13)
3. Boutrus, M., Gilani, S. Z., Maybery, M. T., Alvares, G. A., **Tan, D. W.**, ..., Whitehouse, A. J. O. (2020). Brief report: Facial asymmetry and autistic-like traits in the general population. *Journal of Autism and Developmental Disorders*. doi: 10.1007/s10803-020-04661-7 (Q1; JIF = 2.79)

4. **Tan, D. W.**, Foo, Y. Z., Downs, J., Finlay-Jones, A., Leonard, H., Licari, M. K., ... Alvares, G. (2020). A preliminary investigation of the effects of prenatal alcohol exposure on facial morphology in children with Autism Spectrum Disorder. *Alcohol*. doi: 10.1016/j.alcohol.2020.03.010 (Q1; JIF = 2.01; Google citations = 3)
5. **Tan, D. W.**, Maybery, M. T., Gilani, S. Z., Alvares, G. A., Mian, A., Suter, D., & Whitehouse, A. J. O. (2020) A broad autism phenotype expressed in facial morphology. *Translational Psychiatry*. doi: 10.1038/s41398-020-0695-z (Q1; JIF = 5.18; Google citations = 1)
6. **Tan, D. W.**, Maybery, M. T., Ewing, L., Tay, J. -X., Eastwood, P. R., & Whitehouse, A. J. O (2020). Sex-specific variation in the appearance of facial masculinity/femininity associated with autistic traits in the general population. *British Journal of Psychology*. doi: 10.1111/bjop.12436 (Q1; JIF = 3.31; Google citations = 2)
7. Boutrus, M., Gilani, S. Z., Alvares, G. A., Maybery, M. T., **Tan, D. W.**, Mian, A., & Whitehouse, A. J. O. (2019). Increased facial asymmetry in autism spectrum conditions is associated with symptom presentation. *Autism Research*. doi: 10.1002/aur.2161 (Q1; JIF = 4.53; Google citations = 6)
8. **Tan D. W.**, Maybery, M. T., Clarke, M. W., Di Lorenzo, R., Evans, M.O., ..., Whitehouse, A. J. O (2018). No relationship between autistic traits and salivary testosterone in men from the general population. *PLoS One*. doi: 10.1371/journal.pone.0198779 (Q1; JIF = 2.78; Google citations = 6)
9. **Tan, D. W.\***, Gilani, S. Z.\*, Maybery, M. T., Mian, A., Hunt, A., Walters, M., Whitehouse, A. J. O. (2017). Hypermasculinised facial morphology in boys and girls with Autism Spectrum Disorder and its association with symptomatology. *Scientific Reports*. doi:10.1038/s41598-017-09939-y. \*Joint first authors (Q1; JIF = 4.44; Google citations = 17)
10. Boutrus M., Maybery M.T., Alvares, G. A., **Tan, D. W.**, Varcin, K. J., & Whitehouse, A. J. O. (2017). Investigating facial phenotype in Autism Spectrum Conditions: The importance of a hypothesis driven approach. *Autism Research*. doi: 10.1002/aur.1824. (Q1; JIF = 4.53; Google citations = 10)
11. Whitehouse, A. J. O., Gilani, S. Z., Shafait, F., Mian, A., **Tan, D. W.**, Maybery, M. T., ..., Eastwood, P. (2015). Prenatal testosterone exposure is related to sexually dimorphic facial morphology in adulthood. *Proceedings B of Royal Society*. doi: 10.1098/rspb.2015.1351. (Q1; JIF = 5.05; Google citations = 116)
12. **Tan, D. W.\***, Russell-Smith, S. N.\*, Simons, J. M., Maybery, M. T., Leung, D., Ng, H. L. H., & Whitehouse, A. J. O. (2015). Perceived gender ratings for high and low scorers on the autism-spectrum quotient consistent with the extreme male brain account of autism. *PLoS One*, 10(7), 1-9. doi: 10.1371/journal.pone.0131780 \*Joint first authors (Q1; JIF = 3.36; Google citations = 13)
13. Gilani, S. Z.\*, **Tan, D. W.\***, Russell-Smith, S. N., Maybery, M. T., Mian, A., Eastwood, P. R., ... Whitehouse, A. J. O. (2015). Sexually dimorphic facial features vary according to level of autistic-like traits in the general population. *Journal of Neurodevelopmental Disorders*, 7(14), 1-10. doi: 10.1186/s11689-015-9109-6 \*Joint first authors (Q1; JIF = 3.49; Google citations = 13)

### **Peer-Reviewed Conference Proceedings**

14. O'Reilly, Z. O., Silvera-Tawil, D., **Tan, D. W.**, & Zurr, I. (2021). Validation of a novel theory of mind measurement tool: The social robot video task. *ACM/IEEE International Conference on Human-Robot Interaction*
15. Chen, F., Togneri, R., Maybery, M., & **Tan, D. W.** (2020). An objective voice gender scoring system and identification of the salient acoustic measures. *Interspeech* (Q1; JIF = 2.31)

### **Under Review**

16. **Tan, D. W.**, Gilani, S. Z., Boutrus, M., Alvares, G. A., Whitehouse, A. J. O., Mian, A., . . . , Maybery, M. T. Facial asymmetry in parents of children on the autism spectrum. (revise & resubmit)
17. **Tan, D. W.**, Gilani, S. Z., Alvares, G. A., Mian, A., Whitehouse, A. J. O., & Maybery, M. T. An investigation of a novel broad autism phenotype: Increased facial masculinity among parents of children on the autism spectrum. (under first round of review)
18. Chen, F., Togneri, R., Maybery, M. T., & **Tan, D. W.** Voice gender scoring and independent acoustic characterisation of perceived masculinity and femininity. (under first round of review)
19. Chen, F., Togneri, R., Maybery, M. T., & **Tan, D. W.** Gender classification and salient acoustic factors characterisation of children's voices. (under first round of review)

### **Competitive Funding**

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- 2019:** British Academy/Leverhulme Small Research Grant, £3,079.07 ( $\approx$  AUD 5,511.75)\*
- 2019:** UWA School of Psychological Science Departmental Grant, AUD 2,500
- 2018:** UWA School of Psychological Science Departmental Grant Round 2, AUD 3,450
- 2018:** Raine Medical Research Foundation BrightSpark Research Collaboration Award, AUD 7,600
- 2018:** UWA School of Psychological Science Departmental Grant Round 1, AUD 2,000
- 2015:** UWA and Graduate Women (Inc.) Research Scholarship, AUD 5,000
- 2013-2017:** International Postgraduate Research Scholarship, AUD 253,875

\*Associate Investigator

### **Awards**

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- 2020:** UWA School of Psychological Science Postgraduate Conference Best Staff Poster
- 2017:** UWA School of Psychological Science Community & Engagement Award
- 2013:** UWA H.L. Fowler Prize in Psychology for best Honours thesis, AUD 100
- 2012:** UWA/PSB Academy Human Sciences Prize and Medal, AUD 1,000
- 2012:** UWA/PSB Academy Human Sciences Prize, AUD 500
- 2012:** UWA Highest Achieving Student for Adult Psychopathology (PSYC 3314), AUD 100
- 2012:** UWA Highest Achieving Student for Statistics and Research Methods (PSYC 3301), AUD 100

## **Presentations**

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### ***Invited Colloquia***

**2020:** Using face shapes to understand the biopsychosocial processes of autism. CliniKids, Telethon Kids Institute, Perth, Australia

**2019:** Can the face predict the brain? Facial morphology associated with autism spectrum disorder. Department of Psychiatry, University of Cambridge, UK

**2019:** Can the face predict the brain? Facial morphology associated with autism spectrum disorder. School of Psychology, University of East Anglia, UK

**2017:** Facial morphology in autism. School of Psychological Science, UWA

**2017:** Facial morphology in autism. ARC Centre of Excellence in Cognition and its Disorders Seminar series, University of Western Australia

**2016:** Facial morphology in autism. Department of Psychiatry, University of Cambridge, UK

### ***Conference Presentations (Oral)***

**2020:** Broad autism phenotype expressed in facial morphology. Australasian Society for Autism Research Conference, Wellington, New Zealand (Virtual)

**2016:** Masculinised facial features in prepubescent boys with autism spectrum disorder. Australasian Society for Autism Research Conference, Perth, Australia

**2015:** Perceived gender ratings for high and low scorers on the autism-spectrum quotient consistent with the extreme male brain account of autism. Student Symposium, Telethon Kids Institute

**2014:** Sexually dimorphic facial features vary according to level of autistic-like traits in the general population. Australasian Society for Autism Research Conference, Melbourne, Australia

**2014:** Sexually dimorphic facial features vary according to level of autistic-like traits in the general population. Raine Study Annual Scientific Meeting, UWA

### ***Conference Presentations (Posters)***

**2020:** Facial trustworthiness of neurotypical adults with varying degrees of autistic traits using explicit and implicit ratings. Society for Autism Research Conference, Wellington, New Zealand (Virtual)

**2020:** Facial first impressions associated with varying levels of autistic traits. School of Psychological Science Postgraduate Conference, UWA (Awarded best staff poster)

**2019:** Facial first impressions associated with varying levels of autistic traits. International Society for Autism Research, Montreal, Canada

**2019:** Heritability of facial masculinity in Autism Spectrum Disorder. International Society for Autism Research, Montreal, Canada

**2018:** Heritability of facial masculinity in Autism Spectrum Disorder. Australasian Society for Autism Research, Gold Coast, Australia

**2018:** Specific variations in perceived facial masculinity across levels of autistic-like traits. Australasian Society for Autism Research, Gold Coast, Australia

**2018:** Specific variations in perceived facial masculinity across levels of autistic-like traits. International Society for Autism Research, Rotterdam, The Netherlands

**2015:** Perceived gender ratings for high and low scorers on the autism-spectrum quotient consistent with the extreme male brain account of autism. Asia Pacific Autism Conference, Brisbane, Australia

## **Research Supervision**

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### ***Ongoing Postgraduate Student***

Lashindri Wanigasekera, School of Psychological Science, UWA (2020-Present)

***Thesis title:*** Investigating facial first impressions towards children on the autism spectrum.

Fuling Chen, School of Electrical, Electronic, and Computer Engineering, UWA (2019-Present)

***Thesis title:*** Characterising vocal features associated with autism.

### ***Completed Postgraduate Student***

Ziggy O'Reilly (2019) Social Robot Videos: A New Task to Measure Theory of Mind Towards Humanoid Robots in Children with Autism Spectrum Disorder. Master of Biological Arts. Supervised with Dr. Ionat Zurr (UWA) and Dr. David Silvera-Tawil (CSIRO Marsfield, NSW). Thesis grade: 94%

### ***Completed Psychology Honours Students***

**2020:** Sophia Li, Alexis Gaman, Linh Nguyen, Matilde Pagnin

**2019:** Lashindri Wanigasekera; Verusha Kander; Ashleigh Jackson

**2018:** Brooke Peden; Chloe-Jade Rudyard; Hana Tambunan

**2015:** Melissa Evans; Michael Mancinone; Christina Panos

### ***Undergraduate and High School Research/Work Experience Interns***

**2021:** Chloe Bryant

**2020:** Aiden Lewis; Natalie Teasdale

**2019:** Isabelle Yuen; Lashindri Wanigasekera; Aoife Doran

**2017:** Alice Thanur; Nisha Oza

## Teaching

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### ***Lecturer***

PSYC 3313: Lifespan Development (2019-2021)

PSYC 2213: Lifespan Development (2019-2021)

PSYC 3310: Specialist Research Topics (2017-2020)

NEUR 1001: Neuroscience in Society (2017-2018)

### ***Practicum Supervisor***

SSEH 3345: Lifespan Motor Development (2018)

### ***Coordinating Lead Tutor***

PSYC 2203: Introduction to Quantitative Methods in Psychology (2017-2018)

### ***Sessional Tutor***

PSYC 2203: Introduction to Quantitative Methods in Psychology (2014-2018)

PSYC 2208: Atypical Development (2014)

## Professional Service

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### ***Service to Journals and Professional Societies***

#### **Ad-Hoc Manuscript Peer Reviewer for Journals**

Biological Psychiatry (JIF = 12.10)

Journal of Personality and Social Psychology (JIF = 6.34)

Journal of Child Psychology and Psychiatry (JIF = 6.13)

Molecular Autism (JIF = 5.71)

Autism (JIF = 4.61)

Scientific Reports (JIF = 4.44)

Frontiers in Genetics (JIF = 3.79)

European Child and Adolescent Psychiatry (JIF = 3.34)

Journal of Autism and Developmental Disorders (JIF = 3.05)

Research in Autism Spectrum Disorders (JIF = 2.91)

#### **Conferences**

**2020:** Chaired the 'Social Cognition' Session at the Australasian Society for Autism Research Conference

**2018, 2020:** Reviewed abstracts for Australasian Society for Autism Research Conference

**2018-2019:** Reviewed abstracts for International Society for Autism Research Conference

### **Society memberships**

**2014-Present:** Member of the Australasian Society for Autism Research

**2017-Present:** Member of the International Society for Autism Research

### ***Service to the Australian Academy of Science and UWA***

**2020-Present:** Member of the EMCR Forum, Australian Academy of Science

**2020-2021:** ECR Representative in the Research Committee in the School of Psychological Science

**2019-2021:** Coordinator of the Research Training Workshop series in the School of Psychological Science

**2018-2020:** Member of the Indigenous Engagement Working Party in the School of Psychological Science

### **Outreach**

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**2020:** Served as a panellist in a discussion on post-PhD career pathways in UWA Psychology

**2020:** Led an engagement session in the Children's University Programme

**2020:** Served as a panellist in a discussion on post-PhD career pathways in Murdoch University

**2019:** Selected as a STEM representative at the SciTech Science Café

**2019:** Represented UWA School of Psychological Science at the Faculty of Science Career Café

**2018:** Served as a panellist at the UWA Alumni Career Café

**2017:** Presented research to families of autistic children at Autism Open Day held at Curtin University

### **Media engagements**

**2020:** [\*Siblings of autistic children may have distinct facial features.\*](#) Spectrum News

**2017:** [\*Facial recognition may reveal things we'd rather not tell the world. Are we ready?\*](#) Boston Globe

**2017:** [\*Facetime: Catching autism early.\*](#) Science Node

**2017:** [\*Perth researchers in breakthrough autism diagnosis.\*](#) Channel 7 News Perth

**2017:** [\*Link between face shape and autism.\*](#) Channel 9 News Perth

**2017:** [\*Computer algorithm links facial masculinity to autism.\*](#) UWA News

**2015:** [\*Testosterone levels linked to higher autistic traits.\*](#) Science Network WA