

Publications List

2013



BOOK CHAPTERS

1. Byrne, B., S. Samuelsson, et al. (2013). Dyslexia. The Routledge international companion to educational psychology A. Holliman. London, UK, Routledge: pp. 297-306.
2. Byrne, B., S. Samuelsson, et al. (2013). The longitudinal perspective on developmental disorders. Current issues in developmental disorders C. R. Marshall. Sussex, UK, Psychology Press: 73-92.
3. Byrne, B., S. Samuelsson, et al. (2013). Reading and reading acquisition in European languages. South and South-east Asian psycholinguistics. H. Winskel and P. Padakannaya. Cambridge, UK, Cambridge University Press.
4. Hughes, T. and G. Townsend (2013). Twin and family studies of human dental crown morphology: genetic, epigenetic and environmental determinants of the modern human dentition. Anthropological perspectives on tooth morphology: genetics, evolution, variation. C. Turner, G. Scott and J. Irish. Cambridge, Cambridge University Press: 31-68.

JOURNAL ARTICLES

1. Agrawal A, Madden PA, et al. (2013). "Do early experiences with cannabis vary in cigarette smokers?" *Drug & Alcohol Dependence* **128**: 255-259.
2. Arnett, A. B., B. F. Pennington, et al. (2013). "The SWAN captures variance at both the negative and positive ends of the ADHD symptom dimension." *Journal of Attention Disorders* **17**: 152-162.
3. Ashar, A., T. Hughes, et al. (2013). "Differentiating the indifferent within the human dentition: what should we look for?" *Bulletin of the International Association for Paleodontology* **7**: 61.
4. Bjørnerem Å, Bui QM, et al. (2013). "Fracture risk and height: an association partly accounted for by cortical porosity of relatively thinner cortices." *J Bone Miner Res.* **28**(9): 2017-2026.
5. Broer L, Codd V, et al. (2013). "Meta-analysis of telomere length in 19 713 subjects reveals high heritability, stronger maternal inheritance and a paternal age effect. ." *European Journal of Human Genetics* **21**(10): 1163-1168.
6. Brook, A., T. Hughes, et al. (2013). "The development of the dentition as a complex adaptive system." *American Journal of Physical Anthropology* **150** (S56): 89.
7. Bui M, Bjørnerem. A., et al. (2013). "Architecture of cortical bone determines in part its remodelling and structural decay." *Bone* **55**: 353–358.
8. Byrne, B., S. Wadsworth, et al. (2013). "Multivariate genetic analysis of learning and early reading development." *Scientific Studies of Reading* **17**: 224-242.
9. Christopher, M. E., J. Hulslander, et al. (2013). "The genetic and environmental etiologies of individual differences in early reading growth in Australia, the United States, and Scandinavia." *J Exp Child Psychol* **115**(3): 453-467.
10. Codd V, Nelson C.P., et al (2013). "Identification of seven loci affecting mean telomere length and their association with disease." *Nature Genetics* **45**(4): 422-427.

11. Cousminer DL, Berry DB, et al (2013). "Early Growth Genetics (EGG) Consortium: Genome-wide Association and Longitudinal Analyses Reveal Genetic Loci Linking Pubertal Height Growth, Pubertal Timing, and Childhood Adiposity." *Human Molecular Genetics* **22**(13): 2735-2747.
12. Deutsch AR, Slutske W. S., et al (2013). "Causal influence of age at first drink on alcohol involvement in adulthood and its moderation by familial context." *Journal of studies on alcohol and drugs* **74**(5): 703-713.
13. Ebejer JL, Medland SE, et al. (2013). "Variation in Latent Classes of Adult Attention-Deficit Hyperactivity Disorder by Sex and Environmental Adversity." *J Atten Disord*. (Epub Oct 2013 ahead of print).
14. Ebejer JL, Duffy. D.L., et al (2013). "Genome-wide association study of inattention and hyperactivity-impulsivity measured as quantitative traits. ." *Twin Research and Human Genetics* **16**(2): 560-574.
15. Eckhaus J, Lawrence KM, et al. (2013). "Genetics of febrile seizure subtypes and syndromes: a twin study." *Epilepsy Res.* **105**(1-2): 103-109.
16. Gagliardi, A., W. Sampson, et al. (2013). "The development of the Curve of Spee in Australian Twins." *Australian Dental Journal* **58**(4): S14.
17. Grill, JD., Di L, et al. (2013). "Estimating sample sizes for predementia Alzheimer's trials based on the Alzheimer's Disease Neuroimaging Initiative." *Neurobiol Aging* **34**(1): 62-72.
18. Hallfors J, Loukola A, et al (2013). "Scrutiny of the CHRNA5-CHRNA3-CHRNA4 smoking behavior locus reveals a novel association with alcohol use in a Finnish population based study." *International journal of molecular epidemiology and genetics* **4**(2): 109-119.
19. Hawthorne F, Feng S., et al (2013). "Association mapping of the high-grade myopia MYP3 locus reveals novel candidates UHRF1BP1L, PTPRR, and PPFIA2." *Invest Ophthalmol Vis Sci* **54**(3): 2076-2086.
20. Hopper, J. L., Foley D. et al (2013). "Australian Twin Registry: 30 years of progress." *Twin Res Hum Genet* **16**(1): 34-42.
21. Hughes, T., M. Bockmann, et al. (2013). "Genetic, epigenetic, and environmental influences on dentofacial structures and oral health: ongoing studies of Australian twins and their families." *Twin Res Hum Genet* **16**(1): 43-51.
22. Hughes, T. and G. Townsend (2013). "Genes for tooth size and shape – a pilot association study." *Australian Dental Journal* **58**(4): S18.
23. Hughes, T. and G. Townsend (2013). "Twin studies of dental crown morphology: genetic and environmental determinants of the Cusp of Carabelli." *Bulletin of the International Association for Paleodontology* **7**: 87.
24. Hughes T, Townsend G, et al. (2013). "The teeth and faces of twins: providing insights into dentofacial development and oral health for practising oral health professionals." *Aust Dent J.* **59**(1).
25. Hughes, T., S. Williams, et al. (2013). "Hypo- and hyper-dontia: an epigenetic model." *Australian Dental Journal* **58**(4): S17-18.
26. Hwang A E, Mack T M, et al. (2013). "Childhood Infections and Adult Height in Monozygotic Twin Pairs." *American Journal of Epidemiology*.
27. Eckhaus J., Lawrence K M, et al. (2013). "Genetics of febrile seizure subtypes and syndromes: A twin study." *Epilepsy Research* **105** (1-2): 103-9
28. Lee T, Lipnicki DM, et al. (2013 (Epub ahead of print). "Leisure Activity, Health, and Medical Correlates of Neurocognitive Performance Among Monozygotic Twins: The Older Australian Twins Study." *J Gerontol B Psychol Sci Soc Sci.* (Epub May 2013 ahead of print).
29. Lopes, M. C. Hysi, P. G., et al. (2013). "Identification of a candidate gene for astigmatism." *Invest Ophthalmol Vis Sci* **54**(2): 1260-1267.

30. Loukola A, Wedenoja J., et al (2013). "Genome-wide association study on detailed profiles of smoking behavior and nicotine dependence in a twin sample." *Molecular Psychiatry*. epub 11 Jun: 2013
31. Lu Y, Vitart V., et al (2013). "Genome-wide association analyses identify multiple loci associated with central corneal thickness and keratoconus." *Nat Genet* **45**(2): 155-163.
32. Mandelstam SA, Leventer. R.J., et al (2013). "Bilateral posterior periventricular nodular heterotopia: a recognizable cortical malformation with a spectrum of associated brain abnormalities." *Am J Neuroradiol* **34**(2): 432-438.
33. Mihailidis, S., M. Bockmann, et al. (2013). "Environmental factors affecting the timing and patterning of primary tooth emergence – a study of Australian twins." *Australian Dental Journal* **58**(4): S46-47.
34. Mihailidis, S., S. Ranjitkar, et al. (2013). "A new approach to dental morphology analysis." *Australian Dental Journal* **58**(4): S25.
35. Mihailidis, S., G. Scriven, et al. (2013). "Prevalence and patterning of maxillary premolar accessory ridges (MxPARs) in several human populations." *American Journal of Physical Anthropology* **152**: 19-30.
36. Mottus, R., M. Luciano, et al. (2013). "Personality traits and inflammation in men and women in their early 70s: the Lothian Birth Cohort 1936 study of healthy aging." *Psychosom Med* **75**(1): 11-19.
37. Munn-Chernoff MA, Duncan. A.E., et al (2013). "A twin study of alcohol dependence, binge eating, and compensatory behaviors." *Journal of studies on alcohol and drugs* **74**(5): 664-673.
38. Nag A, Venturini C., et al (2013). "Copy number variation at chromosome 5q21.2 is associated with intraocular pressure." *Invest Ophthalmol Vis Sci*. **54**(5): 3607-3612.
39. Nguyen TL, Schmidt DF, et al. (2013). "Explaining variance in the cumulus mammographic measures that predict breast cancer risk: a twins and sisters study." *Cancer Epidemiology, Biomarkers and Prevention* **22**: 2395–2403.
40. Odeh, R., G. Townsend, et al. (2013). "Genetic and environmental causes of variation in the expression of infraoccluded primary teeth." *Australian Dental Journal* **58**(4): S28.
41. Ribeiro DC, Brook AH, et al. (2013). "Intrauterine hormone effects on tooth dimensions." *J Dent Res*. **92**(5): 425-431.
42. Riberio, D., W. Sampson, et al. (2013). "Is tooth size altered in opposite-sex dizygotic twin pairs, reflecting possible hormone diffusion in utero?" *Bulletin of the International Association for Paleodontology* **7**: 121.
43. Richmond-Rakerd, L. S., W. S. Slutske, et al. (2013). "Effects of Sibship Size and Composition on Younger Brothers' and Sisters' Alcohol Use Initiation: Findings from an Australian Twin Sample." *Alcohol Clin Exp Res* **37**(6): 1016-1024.
44. Sachdev PS, Lee T., et al (2013). "The contribution of twins to the study of cognitive ageing and dementia: the Older Australian Twins Study." *Int Rev Psychiatry*. **25**(6): 738-747.
45. Sanfilippo, P. G., A. W. Hewitt, et al. (2013). "A Geometric Morphometric Assessment of Hand Shape and Comparison to the 2D:4D Digit Ratio as a Marker of Sexual Dimorphism." *Twin Res Hum Genet* **16**(2): 590-600.
46. Schache M and B. PN. (2013). "The Australian Twin Registry as a resource for genetic studies into ophthalmic traits." *Twin Res Hum Genet* **16**(1): 52-57.
47. Shiek Ahmad B., Martin. N, et al. (2013). "Phenotype refinement for comorbid attention deficit hyperactivity disorder and reading disability." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* **162**(1): 44–54.
48. Sim X, Jensen. R.A., et al (2013). "Genetic Loci for Retinal Arteriolar Microcirculation." *PLoS One* **8**(6): e65804.

49. the GenoMEL Consortium, Iles. M.M., et al (2013). "A variant in FTO shows association with melanoma risk not due to BMI." *Nature Genetics* **45**: 428-432.
50. Townsend, G. and A. Brook (2013). "Genetic, epigenetic and environmental influences on human tooth size, shape and number." *eLS*.
51. Tsai MH, Vears DF., et al (2013). "Clinical genetic study of the epilepsy-aphasia spectrum." *Epilepsia* **54**(2): 280-287.
52. Tsiapa I, G. Loudos, et al. (2013). "Biological evaluation of an ornithine-modified (99m)Tc-labeled RGD peptide as an angiogenesis imaging agent." *Nucl Med Biol* **40**(2): 262-272.
53. Verhoeven VJ, Hysi PG., et al (2013). "Genome-wide meta-analyses of multiancestry cohorts identify multiple new susceptibility loci for refractive error and myopia." *Nat Genet.* **45**(3): 314-318.
54. Verweij KJH, Agrawal A, et al. (2013). "A genetic perspective on the proposed inclusion of cannabis withdrawal in the DSM-5." *Psychological Medicine* **43**: 1713-1722.
55. Verweij KJH, Huizink AC, et al. (2013). "Is the relationship between early-onset cannabis use and educational attainment causal or due to common liability?" *Drug & Alcohol Dependence* **133**: 580-586.
56. Wade, T, Hansell, N. K. et al. (2013). "A study of changes in genetic and environmental influences on weight and shape concern across adolescence." *J Abnorm Psychol* **122**(1): 119-130.
57. Wade TD. and Tiggemann M. (2013). "The role of perfectionism in body dissatisfaction." *Journal of Eating Disorders* **1**(2)
58. Wang JC, Foroud T, et al. (2013). "A genome-wide association study of alcohol-dependence symptom counts in extended pedigrees identifies C15orf53." *Molecular Psychiatry* **18**(11): 1218-1224.
59. Whitfield JB, Heath AC, et al. (2013). "Metabolic and Biochemical Effects of Low-to-Moderate Alcohol Consumption." *Alcoholism, clinical and experimental research* **37**(4): 575-586.

CONFERENCE PUBLICATIONS (INC. PUBLISHED ABSTRACTS, ORAL PRESENTATIONS, POSTER PRESENTATIONS)

1. Batouli S.A. (2013). The heritability of brain white matter lesions: data from the Older Australian Twins Study (OATS) 19th Annual Meeting of the Organisation on Human Brain Mapping (OHBM) Seattle, USA.
2. Batouli S.A. (2013). A reivew of twin studies in search of keys for healthy ageing (oral). 12th National Conference of Emerging Researchers in Ageing, Sydney.
3. Bjornerem, A., Wang X, et al. (2013). Cortical exceeds trabecular bone loss before menopause but net bone loss is modest beause periosteal apposition occurs. ECCEO13 - IOF European Congress on Osteoporosis and Osteoarthritis, Rome, Italy.
4. Brook, A., T. Hughes, et al. (2013). The development of the dentition as a complex adaptive system (abstract & poster). 82nd Annual Meeting of the American Association of Physical Anthropologists & Session 27: Variation in human dental form: A symposium in Honor of Edward F. Harris. , Knoxville, Tennessee.
5. Burton K. (2013). Unravelling the connection between anxiety and depression. Westmead Hospital Week, Westmead Hospital, Sydney.
6. Burton K. (2013). Unravelling the connection between anxiety and depression. UNSW Brain Sciences Symposium Sydney.
7. Burton K. (2013). Unravelling the connectoin between anxiety and depression RANZCP Congress, Sydney.

8. Burton K., Williams L.M., et al. (2013). The genetic and neurobiological connection between anxiety and depression (abstract). 11th World Congress of Biological Psychiatry, Kyoto, Japan.
9. Champion D, Kofman R, et al. (2013). Paediatric restless legs syndrome is associated with multiple functional pain syndromes in childhood: A twin family case control study. ISPP, Stockholm.
10. Crawford M, Champion D, et al. (2013). Growing pains: Genetic influence and associations including restless legs syndrome. *European Journal of Pain* Stockholm **16**: 1224-1231
11. Gatt J. (2013). Testing the impact of online brain training in promoting wellbeing and resilience. University of Sydney e-health showcase, Faculty of Health Sciences, University of Sydney.
12. Gatt J. (2013). From risk to resilience: the role of genes, environment and the brain in mental health. NeuRA seminar, Randwick, NSW.
13. Gatt J. (2013). Identifying the genetic and brain mechanisms of resilience. MQ Mental Health Foundation, Academy of Medical Sciences, London.
14. Gatt J. (2013). Imaging genetics and the TWIN-E project. 4th Australasian Cognitive Neuroscience Conference (ACNC), Melbourne.
15. Gatt J. (2013). Understanding resilience in adult and adolescent twins. HRH ATR Patron event Sydney Children's Hospital.
16. Hildebrand M, Petrovski S, et al. (2013). Unraveling the genetics of the common epilepsies using discordant monozygotic twins. 67th American Epilepsy Society meeting, Washington DC, USA.
17. Hildebrand M., Petrovski S., et al. (2013). Unraveling the genetics of the common epilepsies using monozygotic twins (poster & abstract). Austin LifeSciences Research Week 2013, Melbourne.
18. Hughes, T. (2013). An overview of craniofacial biology research (oral presentation). Colgate Australian Clinical Research Centre Research Day, Adelaide.
19. Korgaonkar M, Ram K, et al. (2013). Genetic control of resting state default mode network derived from task fMRI using a TWINS dataset., (O-T3) (poster and talk). 19th Annual meeting of the Organization for Human Brain Mapping Seattle, USA.
20. Lee T, Wright M, et al. (2013). Genetic and environmental influences on processing speed, executive functions, and general cognitive ability: Findings from the Older Australian Twins Study (abstract). 43rd Annual Meeting of the Behavior Genetics Association, Marseilles, France.
21. Mihailidis S, Ashar A, et al. (2013). Dental phenomics: High-tech scans reveal similarities and differences in monozygotic twins. Annual Convention of the Order of Dentists in Quebec. *Dental Tribune, USA Edition*. Montreal, Quebec, Canada.
22. Odeh, R., G. Townsend, et al. (2013). Infraocclusion of primary molars and associated dental anomalies in twins and singletons: what is the underlying aetiology? (oral presentation). Colgate Australian Clinical Research Centre Research Day, Adelaide.
23. Routledge K., Gatt J, et al. (2013). Age related changes in heritability of white matter: Imaging results from the TWIN-E StudyAge related changes in heritability of neuroconnectivity. . 19th Annual Meeting of the Organisation for Human Brain Mapping. , Seattle, USA.
24. Routledge. K. (2013). The impact of cognitive training on improving emotion, cognition and wellbeing in twins. UNSW Brain Science Symposia, UNSW, Sydney.
25. Shahmoradi N, Wang. X.F. et al (2013). Contributions of lean and fat mass to bone structure: a co-twin study. Austin LifeSciences Research Week 2013, Melbourne.