

# Publications List

## 2012



### Peer-reviewed publications

1. Agrawal, A., E. C. Nelson, et al. (2012). "Cannabinoid receptor genotype moderation of the effects of childhood physical abuse on anhedonia and depression." *Arch Gen Psychiatry* **69**(7): 732-740.
2. Agrawal, A., K. J. Verweij, et al. (2012). "The genetics of addiction-a translational perspective." *Transl Psychiatry* **2**: e140.
3. Amin, N., E. Byrne, et al. (2012). "Genome-wide association analysis of coffee drinking suggests association with CYP1A1/CYP1A2 and NRCAM." *Mol Psychiatry* **17**(11): 1116-1129.
4. Amin, N., J. J. Hottenga, et al. (2012). "Refining genome-wide linkage intervals using a meta-analysis of genome-wide association studies identifies loci influencing personality dimensions." *Eur J Hum Genet*.
5. Arnett AB, P. B., Willcutt E, Dmitrieva J, Byrne B, Samuelsson S, Olson RK. (2012). "A Cross-Lagged Model of the Development of ADHD Inattention Symptoms and Rapid Naming Speed." *J Abnorm Child Psychol*.
6. Asselbergs, F. W., Y. Guo, et al. (2012). "Large-scale gene-centric meta-analysis across 32 studies identifies multiple lipid loci." *Am J Hum Genet* **91**(5): 823-838.
7. Batouli, S. A., P. S. Sachdev, et al. (2012). "The heritability of brain metabolites on proton magnetic resonance spectroscopy in older individuals." *Neuroimage* **62**(1): 281-289.
8. Baughman, H. M., E. A. Giammarco, et al. (2012). "A behavioral genetic study of humor styles in an Australian sample." *Twin Res Hum Genet* **15**(5): 663-667.
9. Bergin, J. E., M. C. Neale, et al. (2012). "Genetic and environmental transmission of body mass index fluctuation." *Behav Genet* **42**(6): 867-874.
10. Berkovic, S. F., K. M. Klein, et al. (2012). "Evidence for Genetic Factors in Vasovagal Syncope: A twin family study." *Neurology* **79**(6): 561-565.
11. Bis, J. C., C. DeCarli, et al. (2012). "Common variants at 12q14 and 12q24 are associated with hippocampal volume." *Nat Genet* **44**(5): 545-551.
12. Bloom, A. J., O. Harari, et al. (2012). "Use of a predictive model derived from in vivo endophenotype measurements to demonstrate associations with a complex locus, CYP2A6." *Hum Mol Genet* **21**(13): 3050-3062.
13. Boraska, V., A. Jeronicic, et al. (2012). "Genome-wide meta-analysis of common variant differences between men and women." *Hum Mol Genet* **21**(21): 4805-4815.
14. Braskie, M. N., N. Jahanshad, et al. (2012). "Relationship of a variant in the NTRK1 gene to white matter microstructure in young adults." *J Neurosci* **32**(17): 5964-5972.
15. Braskie, M. N., N. Jahanshad, et al. (2012). "How a common variant in the growth factor receptor gene, NTRK1, affects white matter." *Bioarchitecture* **2**(5).

16. Byrne B, W. S., Boehme K, Talk AC , Coventry WL, Olson RK, Samuelsson S & Corley R (2012). "Multivariate Genetic Analysis of Learning and Early Reading Development." Scientific Studies of Reading **00**: 1-19.
17. Byrne, E. M., J. Johnson, et al. (2012). "A genome-wide association study of caffeine-related sleep disturbance: confirmation of a role for a common variant in the adenosine receptor." Sleep **35**(7): 967-975.
18. Champion, D., S. Pathirana, et al. (2012). "Growing pains: twin family study evidence for genetic susceptibility and a genetic relationship with restless legs syndrome." Eur J Pain **16**(9): 1224-1231.
19. Chiang, M. C., M. Barysheva, et al. (2012). "Gene network effects on brain microstructure and intellectual performance identified in 472 twins." J Neurosci **32**(25): 8732-8745.
20. Coventry, W., I. Anton-Mendez, et al. (2012). "The Etiology of Individual Differences in Second Language Acquisition in Australian School Students: A Behavior-Genetic Study." Language Learning **62**(3): 880-901.
21. Dastani, Z., M. F. Hivert, et al. (2012). "Novel loci for adiponectin levels and their influence on type 2 diabetes and metabolic traits: a multi-ethnic meta-analysis of 45,891 individuals." PLoS Genet **8**(3): e1002607.
22. de Moor, M. H., P. T. Costa, et al. (2012). "Meta-analysis of genome-wide association studies for personality." Mol Psychiatry **17**(3): 337-349.
23. Dennis, E. L., N. Jahanshad, et al. (2012). "Changes in Anatomical Brain Connectivity between Ages 12 and 30: A Hardi Study of 467 Adolescents and Adults." Proc IEEE Int Symp Biomed Imaging: 904-908.
24. Dennis, E. L., N. Jahanshad, et al. (2012). "Test-retest reliability of graph theory measures of structural brain connectivity." Med Image Comput Assist Interv **15**(Pt 3): 305-312.
25. Duarte-Carvajalino, J. M., N. Jahanshad, et al. (2012). "Hierarchical topological network analysis of anatomical human brain connectivity and differences related to sex and kinship." Neuroimage **59**(4): 3784-3804.
26. Dubois, L., K. Ohm Kyvik, et al. (2012). "Genetic and environmental contributions to weight, height, and BMI from birth to 19 years of age: an international study of over 12,000 twin pairs." PLoS One **7**(2): e30153.
27. Ebejer, J. L., S. E. Medland, et al. (2012). "Attention deficit hyperactivity disorder in Australian adults: prevalence, persistence, conduct problems and disadvantage." PLoS One **7**(10): e47404.
28. Eggert, S. L., K. L. Huyck, et al. (2012). "Genome-wide linkage and association analyses implicate FASN in predisposition to Uterine Leiomyomata." Am J Hum Genet **91**(4): 621-628.
29. Ellingson, J. M., W. S. Slutske, et al. (2012). "Investigating the Influence of Prenatal Androgen Exposure and Sibling Effects on Alcohol Use and Alcohol Use Disorder in Females from Opposite-Sex Twin Pairs." Alcohol Clin Exp Res.
30. Gatt, J. (2012). "The TWIN-E Project in Emotional Wellbeing: Study Protocol and Preliminary Heritability Results Across Four MRI and DTI Measures." Twin Research and Human Genetics **15**(3): 419-441.
31. Gillespie, N. A., P. Gehrman, et al. (2012). "Modeling the direction of causation between cross-sectional measures of disrupted sleep, anxiety and depression in a sample of male and female Australian twins." J Sleep Res **21**(6): 675-683.
32. Hansell, N. K., M. J. Wright, et al. (2012). "Genetic co-morbidity between neuroticism, anxiety/depression and somatic distress in a population sample of adolescent and young adult twins." Psychol Med **42**(6): 1249-1260.

33. Harari, O., J. C. Wang, et al. (2012). "Pathway analysis of smoking quantity in multiple GWAS identifies cholinergic and sensory pathways." *PLoS One* **7**(12): e50913.
34. Harrap, S. B. (2012). "The 2012 John Swales lecture: questions unanswered - 30 years in the world of blood pressure." *J Hypertens* **30**(11): 2060-2065.
35. Hartz, S. M., S. E. Short, et al. (2012). "Increased genetic vulnerability to smoking at CHRNA5 in early-onset smokers." *Arch Gen Psychiatry* **69**(8): 854-860.
36. Hibar, D. P., N. Jahanshad, et al. (2012). "Alzheimer's disease risk gene, GAB2, is associated with regional brain volume differences in 755 young healthy twins." *Twin Res Hum Genet* **15**(3): 286-295.
37. Hibar, D. P., J. L. Stein, et al. (2012). "Genome-wide association identifies genetic variants associated with lentiform nucleus volume in N = 1345 young and elderly subjects." *Brain Imaging Behav.*
38. Jahanshad, N., D. P. Hibar, et al. (2012). "Discovery of Genes That Affect Human Brain Connectivity: A Genome-Wide Analysis of the Connectome." *Proc IEEE Int Symp Biomed Imaging*: 542-545.
39. Jahanshad, N., O. Kohannim, et al. (2012). "Brain structure in healthy adults is related to serum transferrin and the H63D polymorphism in the HFE gene." *Proc Natl Acad Sci U S A* **109**(14): E851-859.
40. Jahanshad, N., O. Kohannim, et al. (2012). "Diffusion Imaging Protocol Effects on Genetic Associations." *Proc IEEE Int Symp Biomed Imaging*: 944-947.
41. Keating, B., A. T. Bansal, et al. (2012). "First all-in-one diagnostic tool for DNA intelligence: genome-wide inference of biogeographic ancestry, appearance, relatedness, and sex with the Identitas v1 Forensic Chip." *Int J Legal Med.*
42. Knaapila, A., G. Zhu, et al. (2012). "A genome-wide study on the perception of the odorants androstenone and galaxolide." *Chem Senses* **37**(6): 541-552.
43. Kohannim, O., D. P. Hibar, et al. (2012). "Discovery and Replication of Gene Influences on Brain Structure Using LASSO Regression." *Front Neurosci* **6**: 115.
44. Kohannim, O., N. Jahanshad, et al. (2012). "Predicting white matter integrity from multiple common genetic variants." *Neuropsychopharmacology* **37**(9): 2012-2019.
45. Law, M. H., G. W. Montgomery, et al. (2012). "Meta-analysis combining new and existing data sets confirms that the TERT-CLPTM1L locus influences melanoma risk." *J Invest Dermatol* **132**(2): 485-487.
46. Lee, P. H., R. H. Perlis, et al. (2012). "Multi-locus genome-wide association analysis supports the role of glutamatergic synaptic transmission in the etiology of major depressive disorder." *Transl Psychiatry* **2**: e184.
47. Lee, T., M. A. Mosing, et al. (2012). "Genetic influences on four measures of executive functions and their covariation with general cognitive ability: the Older Australian Twins Study." *Behav Genet* **42**(4): 528-538.
48. Lee, T., M. A. Mosing, et al. (2012). "Genetic influences on five measures of processing speed and their covariation with general cognitive ability in the elderly: the older Australian twins study." *Behav Genet* **42**(1): 96-106.
49. Li, M., Y. Wang, et al. (2012). "Meta-analysis and brain imaging data support the involvement of VRK2 (rs2312147) in schizophrenia susceptibility." *Schizophr Res* **142**(1-3): 200-205.
50. Li, R., F. F. Brockschmidt, et al. (2012). "Six novel susceptibility Loci for early-onset androgenetic alopecia and their unexpected association with common diseases." *PLoS Genet* **8**(5): e1002746.
51. Lind, P. A., S. Macgregor, et al. (2012). "Association between in vivo alcohol metabolism and genetic variation in pathways that metabolize the carbon skeleton of ethanol and NADH reoxidation in the alcohol challenge twin study." *Alcohol Clin Exp Res* **36**(12): 2074-2085.

52. Lind, P. A., G. Zhu, et al. (2012). "Genome-wide association study of a quantitative disordered gambling trait." Addict Biol.
53. Liu, F., F. van der Lijn, et al. (2012). "A genome-wide association study identifies five loci influencing facial morphology in Europeans." PLoS Genet **8**(9): e1002932.
54. Loehlin, J., S. E. Medland, et al. (2012). "Is CAG sequence length in the androgen receptor gene correlated with finger-length ratio?" Personality and Individual Differences **52**(2): 224-227.
55. Luciano, M., J. E. Huffman, et al. (2012). "Genome-wide association uncovers shared genetic effects among personality traits and mood states." Am J Med Genet B Neuropsychiatr Genet **159B**(6): 684-695.
56. Luciano, M., L. M. Lopez, et al. (2012). "Longevity candidate genes and their association with personality traits in the elderly." Am J Med Genet B Neuropsychiatr Genet **159B**(2): 192-200.
57. Lynskey, M. T., A. Agrawal, et al. (2012). "An Australian twin study of cannabis and other illicit drug use and misuse, and other psychopathology." Twin Res Hum Genet **15**(5): 631-641.
58. Macare, C., T. C. Bates, et al. (2012). "Substantial genetic overlap between schizotypy and neuroticism: a twin study." Behav Genet **42**(5): 732-742.
59. Martin, N. G. (2012). "Commentary: Discussion of 'The history of twins, as a criterion of the relative powers of nature and nurture' by Francis Galton (1875)." Int J Epidemiol **41**(4): 917-919.
60. McCutcheon, V. V., J. D. Grant, et al. (2012). "Environmental influences predominate in remission from alcohol use disorder in young adult twins." Psychol Med: 1-11.
61. McQuillan, R., N. Eklund, et al. (2012). "Evidence of inbreeding depression on human height." PLoS Genet **8**(7): e1002655.
62. Middelberg, R. P., B. Benyamin, et al. (2012). "Loci affecting gamma-glutamyl transferase in adults and adolescents show age x SNP interaction and cardiometabolic disease associations." Hum Mol Genet **21**(2): 446-455.
63. Middelberg, R. P., A. C. Heath, et al. (2012). "Evidence of differential allelic effects between adolescents and adults for plasma high-density lipoprotein." PLoS One **7**(4): e35605.
64. Miller, G., G. Zhu, et al. (2012). "The heritability and genetic correlates of mobile phone use: a twin study of consumer behavior." Twin Res Hum Genet **15**(1): 97-106.
65. Mishra, A., S. Yazar, et al. (2012). "Genetic variants near PDGFRA are associated with corneal curvature in Australians." Invest Ophthalmol Vis Sci **53**(11): 7131-7136.
66. Moore, E., J.D Wark, et al. (2012). "The Roles of Genetic and Environmental Factors on Risk of Cervical Cancer: A Review of Classical Twin Studies." Twin Research and Human Genetics **15**(1): 79-86.
67. Mosing, M. A., S. E. Medland, et al. (2012). "Genetic influences on life span and its relationship to personality: a 16-year follow-up study of a sample of aging twins." Psychosom Med **74**(1): 16-22.
68. Mosing, M. A., J. Mellanby, et al. (2012). "Genetic and environmental influences on analogical and categorical verbal and spatial reasoning in 12-year old twins." Behav Genet **42**(5): 722-731.
69. Nelson, E. C., M. T. Lynskey, et al. (2012). "Association of OPRD1 polymorphisms with heroin dependence in a large case-control series." Addict Biol.
70. Nyholt, D. R., S. K. Low, et al. (2012). "Genome-wide association meta-analysis identifies new endometriosis risk loci." Nat Genet **44**(12): 1355-1359.
71. Paternoster, L., M. Standl, et al. (2012). "Meta-analysis of genome-wide association studies identifies three new risk loci for atopic dermatitis." Nat Genet **44**(2): 187-192.
72. Powell, J. E., A. K. Henders, et al. (2012). "The Brisbane Systems Genetics Study: genetical genomics meets complex trait genetics." PLoS One **7**(4): e35430.

73. Powell, J. E., A. K. Henders, et al. (2012). "Genetic control of gene expression in whole blood and lymphoblastoid cell lines is largely independent." *Genome Res* **22**(3): 456-466.
74. Ramasamy, A., M. Kuokkanen, et al. (2012). "Genome-wide association studies of asthma in population-based cohorts confirm known and suggested loci and identify an additional association near HLA." *PLoS One* **7**(9): e44008.
75. Rao, F., S. Chiron, et al. (2012). "Genetic variation within a metabolic motif in the chromogranin a promoter: pleiotropic influence on cardiometabolic risk traits in twins." *Am J Hypertens* **25**(1): 29-40.
76. Richmond-Rakerd, L. S., W. S. Slutske, et al. (2012). "Effects of Sibship Size and Composition on Younger Brothers' and Sisters' Alcohol Use Initiation: Findings from an Australian Twin Sample." *Alcohol Clin Exp Res*.
77. Salvi, E., Z. Kutalik, et al. (2012). "Genomewide association study using a high-density single nucleotide polymorphism array and case-control design identifies a novel essential hypertension susceptibility locus in the promoter region of endothelial NO synthase." *Hypertension* **59**(2): 248-255.
78. Sanfilippo, P. G., C. J. Hammond, et al. (2012). "Heritability of strabismus: genetic influence is specific to eso-deviation and independent of refractive error." *Twin Res Hum Genet* **15**(5): 624-630.
79. Sartor, C. E., J. D. Grant, et al. (2012). "Common heritable contributions to low-risk trauma, high-risk trauma, posttraumatic stress disorder, and major depression." *Arch Gen Psychiatry* **69**(3): 293-299.
80. Schache, M. and P. N. Baird (2012). "Assessment of the association of matrix metalloproteinases with myopia, refractive error and ocular biometric measures in an Australian cohort." *PLoS One* **7**(10): e47181.
81. Schermerhorn, A. C., B. M. D'Onofrio, et al. (2012). "Offspring ADHD as a risk factor for parental marital problems: controls for genetic and environmental confounds." *Twin Res Hum Genet* **15**(6): 700-713.
82. Service, S. K., K. J. Verweij, et al. (2012). "A genome-wide meta-analysis of association studies of Cloninger's Temperament Scales." *Transl Psychiatry* **2**: e116.
83. Siddiq, A., F. J. Couch, et al. (2012). "A meta-analysis of genome-wide association studies of breast cancer identifies two novel susceptibility loci at 6q14 and 20q11." *Hum Mol Genet* **21**(24): 5373-5384.
84. Spain, S. L., L. G. Carvajal-Carmona, et al. (2012). "Refinement of the associations between risk of colorectal cancer and polymorphisms on chromosomes 1q41 and 12q13.13." *Hum Mol Genet* **21**(4): 934-946.
85. Stein, J. L., S. E. Medland, et al. (2012). "Identification of common variants associated with human hippocampal and intracranial volumes." *Nat Genet* **44**(5): 552-561.
86. Steinberg, S., S. de Jong, et al. (2012). "Common variant at 16p11.2 conferring risk of psychosis." *Mol Psychiatry*.
87. Stolk, L., J. R. Perry, et al. (2012). "Meta-analyses identify 13 loci associated with age at menopause and highlight DNA repair and immune pathways." *Nat Genet* **44**(3): 260-268.
88. Surakka, I., J. B. Whitfield, et al. (2012). "A genome-wide association study of monozygotic twin-pairs suggests a locus related to variability of serum high-density lipoprotein cholesterol." *Twin Res Hum Genet* **15**(6): 691-699.
89. Thorpe, K., S. Staton, et al. (2012). "Testing the Vision: Preschool Settings as Places for Meeting, Bonding and Bridging." *Children and Society* **26**(4): 13.
90. Tielbeek, J. J., S. E. Medland, et al. (2012). "Unraveling the genetic etiology of adult antisocial behavior: a genome-wide association study." *PLoS One* **7**(10): e45086.

91. Townsend, G., M. Bockmann, et al. (2012). "Genetic, environmental and epigenetic influences on variation in human tooth number, size and shape." *Odontology* **100**(1): 1-9.
92. van der Harst, P., W. Zhang, et al. (2012). "Seventy-five genetic loci influencing the human red blood cell." *Nature* **492**(7429): 369-375.
93. van Dongen, J., P. E. Slagboom, et al. (2012). "The continuing value of twin studies in the omics era." *Nat Rev Genet* **13**(9): 640-653.
94. Verweij, K. J., A. Agrawal, et al. (2012). "A genetic perspective on the proposed inclusion of cannabis withdrawal in DSM-5." *Psychol Med*: 1-10.
95. Verweij, K. J., A. A. Vinkhuyzen, et al. (2012). "The genetic aetiology of cannabis use initiation: a meta-analysis of genome-wide association studies and a SNP-based heritability estimation." *Addict Biol*.
96. Verweij, K. J., J. Yang, et al. (2012). "Maintenance of genetic variation in human personality: testing evolutionary models by estimating heritability due to common causal variants and investigating the effect of distant inbreeding." *Evolution* **66**(10): 3238-3251.
97. Verweij, K. J., B. P. Zietsch, et al. (2012). "No association of candidate genes with cannabis use in a large sample of Australian twin families." *Addict Biol* **17**(3): 687-690.
98. Vinkhuyzen, A. A., N. L. Pedersen, et al. (2012). "Common SNPs explain some of the variation in the personality dimensions of neuroticism and extraversion." *Transl Psychiatry* **2**: e102.
99. Wang, J. C., T. Foroud, et al. (2012). "A genome-wide association study of alcohol-dependence symptom counts in extended pedigrees identifies C15orf53." *Mol Psychiatry*.
100. Webb, B. T., A. Y. Guo, et al. (2012). "Meta-analyses of genome-wide linkage scans of anxiety-related phenotypes." *Eur J Hum Genet* **20**(10): 1078-1084.
101. Webbink, D., S. Vujic, et al. (2012). "The effect of childhood conduct disorder on human capital." *Health Econ* **21**(8): 928-945.
102. Wei, L., B. Liu, et al. (2012). "Hypomethylation of the IL17RC promoter associates with age-related macular degeneration." *Cell Rep* **2**(5): 1151-1158.
103. Whitfield, J. B., A. C. Heath, et al. (2012). "Metabolic and Biochemical Effects of Low-to-Moderate Alcohol Consumption." *Alcohol Clin Exp Res*.
104. Wray, N. R., M. L. Pergadia, et al. (2012). "Genome-wide association study of major depressive disorder: new results, meta-analysis, and lessons learned." *Mol Psychiatry* **17**(1): 36-48.
105. Yang, J., T. Ferreira, et al. (2012). "Conditional and joint multiple-SNP analysis of GWAS summary statistics identifies additional variants influencing complex traits." *Nat Genet* **44**(4): 369-375, S361-363.
106. Yang, J., R. J. Loos, et al. (2012). "FTO genotype is associated with phenotypic variability of body mass index." *Nature* **490**(7419): 267-272.
107. Yip, L., S. Zaloumis, et al. (2012). "Association analysis of oestrogen receptor beta gene (ESR2) polymorphisms with female pattern hair loss." *Br J Dermatol* **166**(5): 1131-1134.
108. Zhang, K., F. Rao, et al. (2012). "Neuropeptide Y (NPY): genetic variation in the human promoter alters glucocorticoid signaling, yielding increased NPY secretion and stress responses." *J Am Coll Cardiol* **60**(17): 1678-1689.
109. Zietsch, B. P., K. J. Verweij, et al. (2012). "Do shared etiological factors contribute to the relationship between sexual orientation and depression?" *Psychol Med* **42**(3): 521-532.
110. Zubanov, N., H. Webbink, et al. (2012). "The effect of schooling on problem drinking: evidence from Australian twins." *Applied Economics* **45**: 1583-1599.

## Posters/Presentations inc. published abstracts, oral presentations, poster presentations

1. Adler, C., T. Hughes, et al. (2012). How genetic factors influence variation in the oral microbiota. IADR Symposium, IADR ANZ Division 52nd Annual Conference, Fiji.
2. C, A., T. Hughes, et al. (2012). Determining how genetic factors influence variation in the oral microbiota and drive disease in early childhood. IADR Symposium, IADR ANZ Division 52nd Annual Conference, Fiji.
3. Edgar, H., T. Hughes, et al. (2012). Maximum heritability as an indicator of relative developmental stability among populations. 81st Annual Meeting of the American Association of Physical Anthropologists, Portland, Oregon USA.
4. Gatt, J. (2012). The TWIN-E Project in Emotional Wellbeing: Study Protocol and Preliminary Heritability Results Across Four MRI and DTI Measures. SOBP Conference, Philadelphia, USA.
5. Hughes, T., M. Bockmann, et al. (2012). The Host Genotype - A Risk Factor For Caries? IADR 90th General Session and Exhibition 201, Rio de Janeiro, Brazil.
6. Hughes, T. and G. Townsend (2012). Complex dental phenotypes - inferences from family data. IADR Symposium, IADR ANZ Division 52nd Annual Conference, Fiji.
7. Hughes, T. and G. Townsend (2012). The human dental arch - fluctuating genetic influences throughout development. 81st Annual Meeting of the American Association of Physical Anthropologists, Portland, Oregon USA.
8. Lee, S. H. and e. al. (2012). Medical and health correlates of discordance in cognitive performance between elderly twins: Preliminary findings from the Older Australian Twins Study. 14th International Congress on Twin Studies, Florence, Italy.
9. Mihailidis, A., G. Scriven, et al. (2012). Studying variation in dental morphological traits to understand genetic and environmental influences on human populations. ASMR SA Annual Scientific Meeting, Adelaide.
10. Mihailidis, A., G. Scriven, et al. (2012). Studying variation in dental morphology traits to understand genetic and environmental influences on human populations Colgate Australian Clinical Research Centre Research Day, Adelaide.
11. Odeh, R., G. Townsend, et al. (2012). Genetic and environmental causes of variation in expression of infraoccluded primary teeth in twins and singletons. Colgate Australian Clinical Research Centre Research Day, Adelaide.
12. Riberio, D., G. Townsend, et al. (2012) Are dental crown dimensions increased in females fro opposite-sex dizygotic twin pairs reflecting possible male hormone diffusion in utero? Aust Dent J. 57: S32-S32.
13. Ribeiro, D., G. Townsend, et al. (2012). Are dental crown dimensions increased in females from opposite-sex dizygotic twin pairs reflecting possible male hormone diffusion in utero? 23rd Australian Orthodontic Congress, Perth, WA.
14. Sahebjada, S., A. Islam, et al. (2012). Comparison of macular parameters among keratoconic, myopic and non-myopic individuals using Optical Coherence Tomography. ARVO, Fort Lauderdale, USA.
15. Townsend, G. (2012). Genes, teeth and faces: 30 years of studying twins. Invited Lecture, Kulliyah of Dentistry, International Islamic University Malaysia, Kuantan, Malaysia.

16. Townsend, G. (2012). Genes, teeth and faces: 30 years of studying twins. Invited Lecture: Universiti Sains Islam Malaysia, Malaysia.
17. Townsend, G. (2012). Studying twins is twice the fun. PBL and assessment workshops, Universiti Sains Islam Malaysia, Malaysia.
18. Townsend, G., T. Hughes, et al. (2012). Genes, teeth and faces: 30 years of studying twins. IADR Symposium, IADR ANZ Division 52nd Annual Conference, Fiji.
19. Williams, S., T. Hughes, et al. (2012). Epigenetics and dental development. Colgate Australian Clinical Research Centre Research Day, Adelaide.
20. Williams, S., T. Hughes, et al. (2012). Epigenetics: unravelling the molecular mechanisms that underpin dental development. IADR Symposium, IADR ANZ Division 52nd Annual Conference Fiji.
21. Williams, S., T. Hughes, et al. (2012). Epigenetics and dental development. IADR Symposium, IADR ANZ Division 52nd Annual Conference, Fiji.
22. Wilmer, J., L. Germine, et al. (2012). The heritability and specificity of change detection ability. Vision Sciences Society.

## Books

1. Hughes, T. and G. Townsend (2012). Twin and family studies of human dental crown morphology: genetic, epigenetic and environmental determinants of the modern human dentition. Cambridge, Cambridge University Press.

## Book Chapters

1. Chan, E., M. Bockmann, et al. (2012). Do feeding practices, gestation length, and birth weight affect the timing of emergence of the first primary tooth? New Directions in Dental Anthropology: paradigms, methodologies and outcomes. G. Townsend, E. Kanazawa and H. Takayama. Adelaide, University of Adelaide Press: 35-45.
2. Hughes, T. and G. Townsend (2012). Genes for teeth - drawing inference from family data. New Directions in Dental Anthropology: paradigms, methodologies and outcomes. G. Townsend, E. Kanazawa and H. Takayama. Adelaide, University of Adelaide Press: 22-34.
3. Townsend, G., M. Bockmann, et al. (2012). New approaches to dental anthropology based on the study of twins. New Directions in Dental Anthropology: paradigms, methodologies and outcomes. G. Townsend, E. Kanazawa and H. Takayama. Adelaide, University of Adelaide Press: 10-21.