

# Publications List

## 2015



### BOOKS

Townsend, G., Pinkerton, S., Rogers, J., Bockmann, M. & Hughes, T. (2015). Twin Studies: Research in Genes, Teeth and Faces. University of Adelaide Press.

### CONFERENCE PUBLICATIONS

Bjørnerem, A., Bui, M., Wang, X., Ghasem-Zadeh, A., Hopper, J., Zebaze, R., & Seeman, E. (2015). Does Cortical Bone Loss Precede Menopause? 2015 ASBMR Annual Meeting, USA Plenary Sessions. Seattle, Washington.

Gatt, J. (2015). Understanding And Promoting Resilience: A Neuroscience Perspective. Psychiatry Professional Grand Rounds. Westmead Hospital, Sydney.

Gatt, J. (2015). Using Twin Studies To Understand The Genetics And Neuroscience Of Resilience And Wellbeing. ATR Twin Node Launch. Charles Perkins Centre, University of Sydney.

Li, S. (2015). The Variation Of DNA Methylation At Vast The Majority Of CpG Sites Are Due To Individual Factors But Not Genetic Or Shared Environment Factors. The 24th Annual Meeting of the International Genetic Epidemiology Society. Baltimore, USA.

Li, S., Wong, M., Apicella, C., Stone, J., Dite, G., Joo, J., Giles, G., Southey, M., & Hopper, J. (2015). Familial Correlation In DNA Methylation Is More Due To Sharing The Womb Than Sharing Genes: A Twins And Sisters Study. The 6th Biannual

Australian Epigenetics Alliance Flagship Conference. Hobart, Australia.

Li, S., Wong, M., Apicella, C., Stone, J., Dite, G., Joo, J., Giles, G., Southey, M., & Hopper, J. (2015). Is Familial Correlation In DNA Methylation Due To Sharing The Womb At The Same Time Or Sharing Genes? A Twins And Sisters Study. GeneMappers 2015. Perth, Australia.

Li, S., Wong, M., Apicella, C., Stone, J., Dite, G., Joo, J., Giles, G., Southey, M., & Hopper, J. (2015). Is Familial Correlation In Genome-Wide Methylation Due To Sharing The Womb Or Genes. American Society of Human Genetics Annual Meeting 2015. Baltimore, USA.

Mackey, D. (2015). Twins – Heritability and Endophenotypes Helping Drive Gene Discovery in Eye Disease. Healthier Kids: Insights from twin research. Melbourne, Australia.

### JOURNAL ARTICLES

Bjørnerem, A., Bui, M., Wang, X., Ghasem-Zadeh, A., Hopper, J., Zebaze, R., & Seeman, E. (2015). "Genetic And Environmental Variances Of Bone Microarchitecture And Bone Remodeling Markers: A Twin Study." Journal of Bone and Mineral Research, **30**(3): 519-527.

Boraxbekk, C., Ames, D., & Kochan, N., et al. (2015). "Investigating The Influence Of KIBRA and CLSTN2 Genetic Polymorphisms On Cross-Sectional And Longitudinal Measures Of Memory Performance And Hippocampal Volume

In Older Individuals." Neuropsychologia, **78**(10-17).

Burton, K., Williams, L., Clark, C., Harris, A., Schofield, P., & Gatt, J. (2015). "Sex Differences In The Shared Genetics Of Dimensions Of Self-Reported Depression And Anxiety." Journal of Affective Disorders, **188**(35-42).

Byrne, E., Raheja, U., Stephens, S., Heath, A., Madden, P., Vaswani, D., Nijjar, G., Ryan, K., Youssufi, H., Gehrman, P., Shuldiner, A., Martin, N., Montgomery, G., Wray, N., Nelson E., Mitchell, B., & Postolache, T. (2015). "Seasonality Shows Evidence For Polygenic Architecture And Genetic Correlation With Schizophrenia And Bipolar Disorder." The Journal of Clinical Psychiatry, **76**(2): 128-134.

Coffee and Caffeine Genetics Consortium, Cornelis, M., et al. (2015). "Genome-Wide Meta-Analysis Identifies Six Novel Loci Associated With Habitual Coffee Consumption." Molecular Psychiatry, **20**(5): 647-656.

Craig, J., Segal, N., Umstad, M., Cutler, T., Keogh, L., Hopper, J., Rankin, M., Denton, J., Derom, C., Sumathipala, A., & Harris, J. (2015). "Zygosity Testing Should Be Encouraged For All Same-Sex Twins." BJOG: An International Journal of Obstetrics and Gynaecology, **122**(12): 1573-1719, e1571-e151

Cutler, T., Murphy, K., Hopper, J., Keogh, L., Dai, Y., & Craig, J. (2015). "Why Accurate Knowledge Of Zygosity Is Important to Twins". Twin Research and Human Genetics, **18**(3): 298-305.

Davies, G., Armstrong, N., Bis, J., et al. (2015). "Genetic Contributions To Variation In General Cognitive Function: A Meta-Analysis Of Genome-Wide Association Studies In The CHARGE Consortium (N=53949)." Molecular Psychiatry, **20**(2): 183-192.

Delforterie, M., Lynskey, M., Huizink, A., Creemers, H., Grant, J., Few, L., Glowinski, A., Statham, D., Trull, T., Bucholz, K.,

Madden, P., Martin, N., Heath, A., & Agrawal, A. (2015). "The Relationship Between Cannabis Involvement And Suicidal Thoughts And Behaviors." Drug Alcohol Dependence, **150**: 98-104.

Ebejer J., Medland, S., van der Werf, J., Wright, M., Henders, A., Gillespie, N., Hickie I., Martin, N., & Duffy, D. (2015). "Contrast Effects and Sex Influence Maternal and Self-Report Dimensional Measures of Attention-Deficit Hyperactivity Disorder." Behavior Genetics, **45**(1): 35-50.

Few, L., Werner, K., Sartor, C., Grant, J., Trull, T., Nock, M., Bucholz, K., Deitz, S., Glowinski, A., Martin, N., Nelson, E., Statham, D., Madden, P., Heath, A., Lynskey, M., & Agrawal, A. (2015). "Early Onset Alcohol Use And Self-Harm: A Discordant Twin Analysis." Alcoholism: Clinical and Experimental Research, **39**(11): 2134-2142.

Germine, L., Russell, R., Bronstad, M., Blokland, G., Smoller, J., Kwok, H., Anthony, S., Nakayama, K., Rhodes, G., & Wilmer, J. (2015). "Individual Aesthetic Preferences For Faces Are Shaped Mostly By Environments, Not Genes." Current Biology, **25**(20): 2684-2689.

Grant, J., Lynskey, M., Madden, P., Nelson, E., Few, L., Bucholz, K., Statham, D., Martin, N., Heath, A., & Agrawal, A. (2015). "The Role Of Conduct Disorder In The Relationship Between Alcohol, Nicotine And Cannabis Use Disorders." Psychological Medicine, **45**(16): 3505-3515.

Hibar, D., Stein, J., Renteria, M., et al. (2015). "Common Genetic Variants Influence Human Subcortical Brain Structures." Nature, **520**(7546): 224-229.

Hines, L., Morley, K., Strang, J., Agrawal, A., Nelson, E., Statham, D., Martin, N., & Lynskey, M. (2015). "The Association Between Speed Of Transition From Initiation To Subsequent Use Of Cannabis And Later Problematic Cannabis Use,

Abuse And Dependence." Addiction, **110**(8): 1311-1320.

Hinesa, L., Morleya, K., Stranga, J., Agrawalb, A., Nelson, E., Stathamc, D., Martin, N., & Lynskey, M. (2015). "Onset Of Opportunity To Use Cannabis And Progression From Opportunity To Dependence: Are Influences Consistent Across Transitions?" Drug and Alcohol Dependence, **160**: 57-64.

Hwang, D., Zhu, G., Breslin, P., Reed, D., Martin, N., Wright, M. (2015). "A Common Genetic Influence On Human Intensity Ratings Of Sugars And High-Potency Sweeteners." Twin Research and Human Genetics, **18**(4):361-7.

Jelenkovic, A., et al. (2015 ). "Zygosity Differences In Height And Body Mass Index Of Twins From Infancy To Old Age: A Study Of The CODATwins Project." Twin Research and Human Genetics, **Oct; 18**(5): 557-570.

Lazarus, J., Mather, K., Armstrong, N., et al. (2015). "DNA Methylation In The Apolipoprotein-A1 Gene Is Associated With Episodic Memory Performance In Healthy Older Individuals." Journal of Alzheimer's Disease, **44**(1): 175-182.

Li, Q., et al (2015). "Genome-Wide Association Study For Refractive Astigmatism Reveals Genetic Co-Determination With Spherical Equivalent Refractive Error: The CREAM Consortium." Human Genetics, **134**(2): 131-146.

Li, S., Wong, E., Joo, J., Jung, C., Chung, J., Apicella, A., Stone, J., Dite, G., Giles, G., Southey, M., & Hopper, J. (2015). "Genetic And Environmental Causes Of Variation In The Difference Between Biological Age Based On DNA Methylation And Chronological Age For Middle-Aged Women." Twin Research and Human Genetics, **18**(6): 720-726.

Liu, F., et al. (2015). "Genetics Of Skin Color Variation In Europeans: Genome-Wide Association Studies With Functional

Follow-Up." Human Genetics, **134**(8 ): 823-835.

Locke, A., et al. (2015). "Genetic Studies Of Body Mass Index Yield New Insights For Obesity Biology." Nature, **518**(7538): 197-206.

Lopez-Sola, C., Fontenelle, L., Bui, M., Hopper, J., Pantelis, C., Yucel, M., Menchon, J., Alonso, P. & Harrison, B. (2016). "Aetiological Overlap Between Obsessive-Compulsive Related And Anxiety Disorder Symptoms: Multivariate Twin Study." The British Journal of Psychiatry, **208**(1): 26–33.

López-Solà, C., Fontenelle, L., Verhulst, B., Neale, M., Menchón, J., Alonso, P., & Harrison, B. (2015). "Distinct Etiological Influences On Obsessive-Compulsive Symptom Dimensions: A Multivariate Twin Study." Depression and Anxiety, **33**(3): 179-191.

Mather, K., Armstrong, N., Wen, W., et al. (2015). "Investigating The Genetics Of Hippocampal Volume In Older Adults Without Dementia." PloS One, **10**(1): e0116920.

McNamara, H., Kane, S., Craig, J., Short, R., & Umstad, M. (2016). "A Review Of The Mechanisms And Evidence For Typical And Atypical Twinning." American Journal of Obstetrics & Gynecology, **February 2016**: 172-191.

McRae, A., Visscher, P., Montgomery, G., & Martin, N. (2015). "Large Autosomal Copy-Number Differences within Unselected Monozygotic Twin Pairs are Rare." Twin Research and Human Genetics, **18**(1): 13-18.

Meier, M., Gillespie, N., Hansell, N., Hewitt, A., Hickie, I., Lu, Y., McGrath, J., MacGregor, S., Medland, S., Sun, C., Wong, T., Wright, M., Zhu, G., Martin, N., & Mackey, D. (2015 ). "Retinal Microvessels Reflect Familial Vulnerability To Psychotic Symptoms: A Comparison Of Twins Discordant For Psychotic Symptoms And

Controls." Schizophrenia Research, **May**; **164**(1-3): 47-52.

Meier, M., Gillespie, N., Hansell, N., Hewitt, A., Hickie, I., Lu, Y., McGrath, J., MacGregor, S., Medland, S., Sun, C., Wong, T., Wright, M., Zhu, G., Martin, N., & Mackey, D. (2015). "A Comparison Of Twins Discordant For Psychotic Symptoms And Controls." Schizophrenia Research, **164**(1-3): 47-52.

Segal, N. (2015). "Insights From Twin Research: Conference at Royal Childrens Hospital, Melbourne, Australia / Twin Studies: Timing of Monozygotic Splitting and Commentary; Gestational Diabetes; ICOMBO'S Post-Partum Depression Study; Photographs of Conjoined Twins / Human Interest: Rare Quadruplets; Mistaken Identity on the Soccer Field; Prenatal Laser Surgery on Triplets; Twins Born to Prince and Princess of Monaco." Twin Research and Human Genetics, **8**(2): 218-224.

Richmond-Rakerd, L., Slutske, W., Deutsch, A., Lynskey, M., Agrawal, A., Madden, P., Bucholz, K., Heath, A., & Martin, N. (2015). "Progression In Substance Use Initiation: A Multilevel Discordant Monozygotic Twin Design." Journal of Abnormal Psychology, **124**(3): 596-605.

Sanfilippo, P., Wilkinson, C., Ruddle, J., Zhu, G., Martin, N., Hewitt, A., & Mackey, D. (2015). "Don't It Make Your Brown Eyes Blue? A Comparison Of Iris Colour Across Latitude In Australian Twins." Clinical & Experimental Optometry, **98**(2): 172-176.

Scurrah, K., Kavanagh, A., Bentley, R., Thornton, L., & Harrap, S. (2015). "Socioeconomic Position In Young Adulthood Is Associated With BMI In Australian Families." Journal of Public Health, **Jun**, **38**(2): e39-46.

Shah, S., Bonder, M., et al. (2015). "Improving Phenotypic Prediction by Combining Genetic and Epigenetic Association." American Journal of Human Genetics, **97**(1): 75-85.

Silventoinen, K., et al. (2015). "The CODATwins Project: The Cohort Description of Collaborative Project of Development of Anthropometrical Measures in Twins to Study Macro-Environmental Variation in Genetic and Environmental Effects on Anthropometric Traits." Twin Research and Human Genetics, **Aug**; **18**(4): 348-360.

Springelkamp, H., et al (2015). "ARHGEF12 Influences The Risk Of Glaucoma By Increasing Intraocular Pressure." Human Molecular Genetics, **24**(9): 2689-2699.

Strohmaier, J., et al. (2015). "Low Birth Weight in MZ Twins Discordant for Birth Weight Is Associated With Shorter Telomere Length And Lower IQ, But Not Anxiety/Depression In Later Life." Twin Research and Human Genetics, **18**(2): 198-209.

Willemsen, G., Ward, K., Bell, C., Christensen, K., Bowden, J., Dalga, C., Harris, J., Kaprio, J., Lyle, R., Magnusson, P., Mather, K., Ordon, J., Perez-Riquelme, F., Pedersen, N., Pietilainen, K., Sachdev, P., Boomsma, D. & Spector, T. (2015). "The Concordance and Heritability of Type 2 Diabetes in 34,166 Twin Pairs From International Twin Registers: The Discordant Twin (DISCOTWIN) Consortium." Twin Research and Human Genetics, **18**(6): 762-771.

Zaloumis, S., Scurrah, K., Harrap, S., & Gurrin L. (2015). "Non-Proportional Odds Multivariate Logistic Regression Of Ordinal Family Data." Biometrical Journal, **57**: 286-303.