

Publications List

2020



MEDIA RELEASES

Lathouris, O. S. (2020, May 6). Are twins more likely to succumb to COVID-19 than other adults or children? Nine news.

Retrieved from

https://www.9news.com.au/world/are-twins-more-likely-to-die-from-coronavirus-twins-research-australia-says-no/1664cdac-d91a-4835-9ed2-c74b34faf9b7?fbclid=IwAR0pYvmY_4a6BjzJMzf66Bf3Tw3W2-ZhN9sKd8u9Tr7xRFJRYBdrjpYNvYA

Hopper, J., (2020, April 20). The Health Report: Twin studies could help make sense of coronavirus impact [Audio] ABC.

Retrieved from

https://www.abc.net.au/radionational/programs/healthreport/coronavirus-twin-study/12164116?fbclid=IwAR1FA8gFLpbLnI6GDPWucvUig176YAq_rg9k-EgngTkZQBzVYhjInzywIC4

Reid, J. (2020, May 20). Study shows how our experiences shape who we trust.

Retrieved from

<http://www.news.uwa.edu.au/2020052012096/research/study-shows-how-our-experiences-shape-who-we-trust>

University of Aberdeen. (2020, May 19). Twins study sheds light on trust. Retrieved from <https://phys.org/news/2020-05-twins.html>

Watkins, H. (2020). New mammogram measures of breast cancer risk could revolutionise screening. Retrieved from <https://about.unimelb.edu.au/newsroom/news/2020/december/new-mammogram-measures-of-breast-cancer-risk-could-revolutionise-screening>

BOOKS

Craig, J. M., Sutton, E. K., & Jahanfar, S. (2020). Chapter 21 - The environmental differences between twins in utero and their importance for downstream development: a need for standardized monitoring in obstetric research. In *Developmental and Fetal Origins of Differences in Monozygotic Twins*: Elsevier.

JOURNAL ARTICLES

Armstrong, N. J., Mather, K. A., Sargurupremraj, M., Knol, M. J., Malik, R., Satizabal, C. L., . . . Nyquist, P. A. (2020). Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. *Stroke*, 51(7), 2111-2121. doi:10.1161/strokeaha.119.027544

Beaudet, G., Tsuchida, A., Petit, L., Tzourio, C., Caspers, S., Schreiber, J., . . . Mazoyer, B. (2020). Age-Related Changes of Peak Width Skeletonized Mean Diffusivity (PSMD) Across the Adult Lifespan: A Multi-Cohort Study. *Front Psychiatry*, 11, 342. doi:10.3389/fpsyt.2020.00342

Bui, M., Zebaze, R., Li, S., Hopper, J. L., & Bjørnerem, Å. (2020). Are the Relationships of Lean Mass and Fat Mass With Bone Microarchitecture Causal or Due to Familial Confounders? A Novel Study of Adult Female Twin Pairs. *JBMR Plus*, 4(9), e10386. doi:10.1002/jbm4.10386

Byrne, B., Little, C. W., Olson, R. K., Larsen, S. A., Coventry, W. L., & Weymouth, R. (2020). Comment on Asbury and Wai

- (2019), "Viewing Education Policy through a Genetic Lens," *Journal of School Choice*. *Journal of School Choice*, 14(3), 501-515.
- Calais-Ferreira, L., Lam, J., & Malta, S. (2020). Improving health outcomes for twins, multiples and their families: The growth in scientific research and community-based initiatives. *The International Journal of Birth and Parent Education*, 7(3), 33-35.
- Carvalho-E-Silva, A. P., Pinheiro, M. B., Ferreira, M. L., Hübscher, M., Calais-Ferreira, L., & Ferreira, P. H. (2020). Cohort profile: the AUstralian Twin BACK pain and physical activity study (AUTBACK study). *BMJ open*, 10(7), e036301-e036301. doi:10.1136/bmjopen-2019-036301
- Champion, D., Bui, M., Aouad, P., Sarraf, S., Donnelly, T., Bott, A., . . . Hopper, J. (2020). Contrasting painless and painful phenotypes of pediatric restless legs syndrome: a twin family study. *Sleep Med*, 75, 361-367. doi:10.1016/j.sleep.2020.08.024
- Chilver, M. R., Keller, A. S., Park, H. R. P., Jamshidi, J., Montalto, A., Schofield, P. R., . . . Gatt, J. M. (2020). Electroencephalography profiles as a biomarker of wellbeing: A twin study. *Journal of Psychiatric Research*, 126, 114-121. doi:https://doi.org/10.1016/j.jpsychires.2020.04.010
- Ciobanu, L. G., Sachdev, P. S., Trollor, J. N., Reppermund, S., Thalamuthu, A., Mather, K. A., . . . Baune, B. T. (2020). Downregulated transferrin receptor in the blood predicts recurrent MDD in the elderly cohort: A fuzzy forests approach. *J Affect Disord*, 267, 42-48. doi:10.1016/j.jad.2020.02.001
- Craig, J. M., Calais-Ferreira, L., Umstad, M. P., & Buchwald, D. (2020). The Value of Twins for Health and Medical Research: A Third of a Century of Progress. *Twin Research and Human Genetics*, 1-8. doi:10.1017/thg.2020.4
- Craig, J. M., Cutler, T. L., Murphy, K., Rankin, M., Denton, J., Schofield, D., . . . Carrick, S. E. (2020). The importance of zygosity knowledge for twins, parents and professionals. *The International Journal of Birth and Parent Education*, 7(3), 6-12.
- Graham, E. K., Weston, S. J., Turiano, N. A., Aschwanden, D., Booth, T., Harrison, F., . . . Mroczek, D. K. (2020). Is Healthy Neuroticism Associated with Health Behaviors? A Coordinated Integrative Data Analysis. *Collabra Psychol*, 6(1). doi:10.1525/collabra.266
- Grasby, K. L., Jahanshad, N., Painter, J. N., Colodro-Conde, L., Bralten, J., Hibar, D. P., . . . Medland, S. E. (2020). The genetic architecture of the human cerebral cortex. *Science*, 367(6484). doi:10.1126/science.aay6690
- Iacoangeli, A., Lin, T., Al Khleifat, A., Jones, A. R., Opie-Martin, S., Coleman, J. R. I., . . . Al-Chalabi, A. (2020). Genome-wide Meta-analysis Finds the ACSL5-ZDHHC6 Locus Is Associated with ALS and Links Weight Loss to the Disease Genetics. *Cell Rep*, 33(4), 108323. doi:10.1016/j.celrep.2020.108323
- Jamshidi, J., Williams, L. M., Schofield, P. R., Park, H. R. P., Montalto, A., Chilver, M. R., . . . Gatt, J. M. (2020). Diverse phenotypic measurements of wellbeing: Heritability, temporal stability and the variance explained by polygenic scores. *Genes Brain Behav*, e12694. doi:10.1111/gbb.12694
- Larsen, S., Little, C., Grasby, K., Byrne, B., Olson, R., & Coventry, W. (2020). The Academic Development Study of Australian Twins (ADSAT): Research Aims and Design. *Twin Research and Human Genetics*, 1-9. doi:10.1017/thg.2020.49
- Li, S., Bui, M., & Hopper, J. L. (2020). Inference about causation from examination of familial confounding (ICE FALCON): a model for assessing causation analogous to Mendelian randomization. *International journal of epidemiology*. doi:10.1093/ije/dyaa065

- Li, S., Nguyen, T. L., Wong, E. M., Dugué, P.-A., Dite, G. S., Armstrong, N. J., . . . Hopper, J. L. (2020). Genetic and environmental causes of variation in epigenetic aging across the lifespan. *Clinical Epigenetics*, 12(1), 158. doi:10.1186/s13148-020-00950-1
- Little, C. W., Larsen, S., Byrne, B., Logan, J. A., Olson, R. K., & Coventry, W. L. (2020). Exploring the Influence of Early Childhood Education and Care on the Etiology of Achievement. *Behavior Genetics*, 50(6), 387-400.
- Liu, Y., Chan, D. K. Y., Thalamuthu, A., Wen, W., Jiang, J., Paradise, M., . . . Braidly, N. (2020). Plasma lipidomic biomarker analysis reveals distinct lipid changes in vascular dementia. *Comput Struct Biotechnol J*, 18, 1613-1624. doi:10.1016/j.csbj.2020.06.001
- Nabais, M. F., Lin, T., Benyamin, B., Williams, K. L., Garton, F. C., Vinkhuyzen, A. A. E., . . . Wray, N. R. (2020). Significant out-of-sample classification from methylation profile scoring for amyotrophic lateral sclerosis. *NPJ Genom Med*, 5, 10. doi:10.1038/s41525-020-0118-3
- Nguyen, T. L., Schmidt, D. F., Makalic, E., Maskarinec, G., Li, S., Dite, G. S., . . . Hopper, J. L. (2020). Novel mammogram-based measures improve breast cancer risk prediction beyond an established mammographic density measure. *International Journal of Cancer*, n/a(n/a). doi:https://doi.org/10.1002/ijc.33396
- Parker, N., Vidal-Pineiro, D., French, L., Shin, J., Adams, H. H. H., Brodaty, H., . . . Paus, T. (2020). Corticosteroids and Regional Variations in Thickness of the Human Cerebral Cortex across the Lifespan. *Cereb Cortex*, 30(2), 575-586. doi:10.1093/cercor/bhz108
- Pua, E. P. K., Barton, S., Williams, K., Craig, J. M., & Seal, M. L. (2020). Individualised MRI training for paediatric neuroimaging: A child-focused approach. *Developmental cognitive neuroscience*, 41, 100750.
- Shin, J., Ma, S., Hofer, E., Patel, Y., Vosberg, D. E., Tilley, S., . . . Paus, T. (2020). Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. *Cereb Cortex*, 30(7), 4121-4139. doi:10.1093/cercor/bhaa035
- Silventoinen, K., Jelenkovic, A., Sund, R., Latvala, A., Honda, C., Inui, F., . . . Kaprio, J. (2020). Genetic and environmental variation in educational attainment: an individual-based analysis of 28 twin cohorts. *Scientific reports*, 10(1), 12681. doi:10.1038/s41598-020-69526-6
- Sønderby, I. E., Gústafsson, Ó., Doan, N. T., Hibar, D. P., Martin-Brevet, S., Abdellaoui, A., . . . Andreassen, O. A. (2020). Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. *Mol Psychiatry*, 25(3), 584-602. doi:10.1038/s41380-018-0118-1
- Sutherland, C. A., Burton, N. S., Wilmer, J. B., Blokland, G. A., Germine, L., Palermo, R., . . . Rhodes, G. (2020). Individual differences in trust evaluations are shaped mostly by environments, not genes. *Proceedings of the National Academy of Sciences*, 117(19), 10218-10224.
- Sutherland, C. A., Collova, J. R., Palermo, R., Germine, L., Rhodes, G., Blokland, G. A., . . . Wilmer, J. B. (2020). Reply to Cook and Over: Social learning and evolutionary mechanisms are not mutually exclusive. *Proceedings of the National Academy of Sciences*, 117(28), 16114-16115.
- Thomas, H. J., Marsh, C. E., Maslen, B. A., Scurrah, K. J., Naylor, L. H., & Green, D. J. (2020). Studies of Twin Responses to Understand Exercise THERapy (STRUETH): Body Composition. *Medicine and science in sports and exercise*.
- Tiego, J., Chamberlain, S. R., Harrison, B. J., Dawson, A., Albertella, L., Youssef, G. J., . . . Yücel, M. (2020). Heritability of overlapping impulsivity and compulsivity dimensional phenotypes. *Scientific reports*, 10(1), 14378. doi:10.1038/s41598-020-71013-x

Turiano, N. A., Graham, E. K., Weston, S. J., Booth, T., Harrison, F., James, B. D., . . . Mroczek, D. K. (2020). Is Healthy Neuroticism Associated with Longevity? A Coordinated Integrative Data Analysis. *Collabra Psychol*, 6(1). doi:10.1525/collabra.268

Weston, S. J., Graham, E. K., Turiano, N. A., Aschwanden, D., Booth, T., Harrison, F., . . . Mroczek, D. K. (2020). Is Healthy Neuroticism Associated with Chronic Conditions? A Coordinated Integrative Data Analysis. *Collabra Psychol*, 6(1). doi:10.1525/collabra.267

Wong, M. W., Thalamuthu, A., Braidy, N., Mather, K. A., Liu, Y., Ciobanu, L., . . . Sachdev, P. S. (2020). Genetic and environmental determinants of variation in the plasma lipidome of older Australian twins. *Elife*, 9. doi:10.7554/eLife.58954

Zeltzer, J., Shand, A. W., Kelly, P., Hopper, J. L., Scurrah, K. J., & Nassar, N. (2020). Early birth is a key factor in educational disadvantage of twins: A data linkage study. *109*(3), 534-540. doi:10.1111/apa.14966