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Employment

2021–	Senior Research Fellow, Division of Psychiatry, Centre for Clinical Brain Sciences, University of Edinburgh
2017–2021	Data Scientist, Division of Psychiatry, Centre for Clinical Brain Sciences, University of Edinburgh
2006–2007	Laboratory Technician, Drosophila Genetic Resource Center, Kyoto Institute of Technology

Education & Training

2015–2017	Post-doctoral Research Fellow, Division of Psychiatry, Centre for Clinical Brain Sciences, University of Edinburgh
2012–2015	Post-doctoral Research Associate, Department of Animal and Plant Sciences, University of Sheffield
2008–2012	PhD Psychology, University of Edinburgh
2007–2008	MSc Quantitative Genetics & Genome Analysis, University of Edinburgh
1999–2003	AB Theoretical Evolutionary Biology, Cornell University

External Roles

Psychiatric Genomics Consortium

2019–	Open Science Maintainer, https://github.com/psychiatric-genomics-consortium
2017–2019	Data Access Committee Representative, Major Depressive Disorder Working Group

Publications

As First/Last Author

Adams, M., Hill, W., Howard, D., Dashti, H., Davis, K., Campbell, A., Clarke, T.-K., Deary, I., Hayward, C., Porteous, D., Hotopf, M., & McIntosh, A. (2019). Factors associated with sharing e-mail information and mental health survey participation in large population cohorts. *International Journal of Epidemiology*. <https://doi.org/10.1093/ije/dyz134>

Adams, M., Howard, D., Luciano, M., Clarke, T.-K., Davies, G., Hill, W., Smith, D., Deary, I., Porteous, D., McIntosh, A., 23andMe Research Team, & Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium. (2019). Genetic stratification of depression by neuroticism: Revisiting a diagnostic tradition. *Psychological Medicine*, 1–10. <https://doi.org/10.1017/S0033291719002629>

Arden, R., & Adams, M. (2016). A general intelligence factor in dogs. *Intelligence*, 55, 79–85. <https://doi.org/10.1016/j.intell.2016.01.008>

Arden, R., Bensky, M., & Adams, M. (2016). A review of cognitive abilities in dogs, 1911 through 2016: More individual differences, please! *Current Directions in Psychological Science*, 25(5), 307–312. <https://doi.org/10.1177/0963721416667718>

Adams, M., Bonaventura, M., Ostner, J., Schulke, O., De Marco, A., Thierry, B., Engelhardt, A., Widdig, A., Gerald, M., & Weiss, A. (2015). Personality structure and social style in macaques. *Journal of Personality and Social Psychology*, 109(2), 338–353. <https://doi.org/10.1037/pspp0000041>

Adams, M., Robinson, M., Mannarelli, M., & Hatchwell, B. (2015a). Social genetic and social environment effects on parental and helper care in a cooperatively breeding bird. *Proceedings of the Royal Society B-Biological Sciences*, 282(1810). <https://doi.org/10.1098/rspb.2015.0689>

Adams, M. (2014). Feasibility and uncertainty in behavior genetics for the nonhuman primate. *International Journal of Primatology*, 35(1), 156–168. <https://doi.org/10.1007/s10764-013-9722-8>

Hatchwell, B., Gullett, P., & Adams, M. (2014). Helping in cooperatively breeding long-tailed tits: A test of Hamilton’s rule. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 369(1642). <https://doi.org/10.1098/rstb.2013.0565>

Adams, M., King, J., & Weiss, A. (2012). The majority of genetic variation in orangutan personality and subjective well-being is nonadditive. *Behavior Genetics*, 42, 675–686. <https://doi.org/10.1007/s10519-012-9537-y>

As Main Author

Davyson, E., Shen, X., Gadd, D. A., Bernabeu, E., Hillary, R. F., McCartney, D. L., Adams, M., Marioni, R., & McIntosh, A. M. (2023). Metabolomic investigation of major depressive disorder identifies a potentially causal association with polyunsaturated fatty acids. *Biological Psychiatry*. <https://doi.org/https://doi.org/10.1016/j.biopsych.2023.01.027>

Barbu, M. C., Amador, C., Kwong, A. S., Shen, X., Adams, M. J., Howard, D. M., Walker, R. M., Morris, S. W., Min, J. L., Liu, C., van Dongen, J., Ghanbari, M., Relton, C., Porteous, D. J., Campbell, A., Evans, K. L., Whalley, H. C., & McIntosh, A. M. (2022). Complex trait methylation scores in the prediction of major depressive disorder. *eBioMedicine*, 79, 104000. <https://doi.org/https://doi.org/10.1016/j.ebiom.2022.104000>

- Barbu, M. C., Harris, M., Shen, X., Aleks, S., Green, C., Amador, C., Walker, R., Morris, S., Adams, M., Sandu, A., McNeil, C., Waiter, G., Evans, K., Campbell, A., Wardlaw, J., Steele, D., Murray, A., Porteous, D., McIntosh, A., & Whalley, H. (2022). Epigenome-wide association study of global cortical volumes in generation scotland: Scottish family health study [PMID: 34738878]. *Epigenetics*, 17(10), 1143–1158. <https://doi.org/10.1080/15592294.2021.1997404>
- Chuong, M., Adams, M. J., Kwong, A. S. F., Haley, C. S., Amador, C., & McIntosh, A. M. (2022). Genome-by-Trauma Exposure Interactions in Adults With Depression in the UK Biobank. *JAMA Psychiatry*, 79(11), 1110–1117. <https://doi.org/10.1001/jamapsychiatry.2022.2983>
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- Shen, X., Caramaschi, D., Adams, M. J., Walker, R. M., Min, J. L., Kwong, A., Hemani, G., Barbu, M. C., Whalley, H. C., Harris, S. E., Deary, I. J., Morris, S. W., Cox, S. R., Relton, C. L., Marioni, R. E., Evans, K. L., McIntosh, A. M., & Genetics of DNA Methylation Consortium. (2022). DNA methylome-wide association study of genetic risk for depression implicates antigen processing and immune responses. *Genome Medicine*, 14(1), 36. <https://doi.org/10.1186/s13073-022-01039-5>
- Barbu, M., Harris, M., Shen, X., Stolicyn, A., Green, C., Amador, C., Walker, R., Morris, S., Adams, M., Sandu, A., McNeil, C., Waiter, G., Evans, K., Campbell, A., Wardlaw, J., Steele, D., Murray, A., Porteous, D., McIntosh, A., & Whalley, H. (2021). Epigenome-wide association study of global cortical volumes in Generation Scotland: Scottish Family Health Study. *Epigenetics*. <https://doi.org/10.1080/15592294.2021.1997404>
- Barbu, M., Huider, F., Campbell, A., Amador, C., Adams, M., Lynall, M.-E., Howard, D., Walker, R., Morris, S., van Dongen, J., Porteous, D., Evans, K., Bullmore, E., Willemsen, G., Boomsma, D., Whalley, H., & McIntosh, A. (2021). Methylome-wide association study of antidepressant use in Generation Scotland and the Netherlands Twin Register implicates the innate immune system. *Molecular Psychiatry*.
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Book Chapters

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Adams, M. (2011). Evolutionary genetics of personality in nonhuman primates. In M. Inoue-Murayama, A. Weiss, & S. Kawamura (Eds.), *From genes to animal behavior: Social structures, personality, communication by color* (pp. 137–164). Springer. https://doi.org/10.1007/978-4-431-53892-9_6

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Invited talks

2019	College of Medicine, University of Malawi
2014	Institute of Psychiatry, King's College London Department of Psychology, University of Sheffield Department of Psychology, University of York
2013	German Primate Center. Göttingen

Teaching

Undergraduate

Genetic and Environmental Influences on Behaviour and Mental Health
Medical Science 4 seminar on “Psychiatric Genetics”
Psychology 2 Practical Course (tutor)
Psychology 3 Methods (tutor)

Postgraduate

Univariate and Multivariate Statistics with R

Workshops

GenomicSEM Module, International Statistical Genetics Workshop

Supervision

Doctoral students

Secondary supervisor

2017–2021	Keira Johnston, Precision Medicine
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MSc & Honours Students

U of Edinburgh	Quantitative Genetics & Genome Analysis Biomedical Artificial Intelligence Integrative Neuroscience Biomedical Sciences and Medical Sciences
U of Sheffield	Sheffield Undergraduate Research Experience

Grants

2021–2024	Medical Research Council. <i>DATAMIND: Data Hub for Mental health Informatics research Development</i> . (2021–2024) £225,575. (Co-I)
2014	Wellcome Trust. <i>Inferring genetic architecture from high-density genomic data</i> . £2000 (Co-I)
2010	Moray Endowment Fund Award. <i>Selection on human personality</i> . £2280.
2009	Sasakawa Foundation. <i>Personality in Japanese macaques</i> . £1000.

Awards

2012	Fulker Award, Behavior Genetics Association (<i>Given to a paper of unusual merit that appeared in the most recent volume of Behavior Genetics</i>)
2008	Sir Kenneth Mather Memorial Prize, Genetics Society. (<i>Outstanding performance in the area of quantitative genetics.</i>)

Knowledge Exchange

2021	Evidence Submitted to Cross Party Group – Mental Health, Scottish Parliament <i>Depression Detectives</i> , online participant-led research forum.
2020	Consultation on Digital Strategy for Scotland, Scottish Government NHS Research Scotland Mental Health Annual Scientific Meeting

Consulting & Industry Collaborations

23andMe
Baillie Gifford

Open Science

Code repositories

Personal	https://github.com/mja
Group	https://github.com/ccbs-stradl
Consortium	https://github.com/psychiatric-genomics-consortium

Datasets

Wigmore, E., Hafferty, J., Hall, L., Howard, D., Clarke, T.-K., Fabbri, C., Lewis, C., Uher, R., Navrady, L., Adams, M., Zeng, Y., Campbell, A., Gibson, J., Thomson, P., Hayward, C., Smith, B., Hocking, L., Padmanabhan, S., Deary, I., ... McIntosh, A. (2020). Genome-wide association summary statistics of antidepressant treatment resistance meta-analysis, [dataset]. <https://doi.org/10.7488/ds/2791>

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