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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

Academic 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>

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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>

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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

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*.

- Howard, D., Pain, O., Arathimos, R., Barbu, M., Amador, C., Walker, R., Jermy, B., Adams, M., Deary, I., Porteous, D., Campbell, A., Sullivan, P., Evans, K., Arseneault, L., Wray, N., Meaney, M., McIntosh, A., & Lewis, C. (2021). Methylome-wide association study of early life stressors and adult mental health. *Human Molecular Genetics*. <https://doi.org/10.1093/hmg/ddab274>
- Johnston, K., Ward, J., Ray, P., Adams, M., McIntosh, A., Smith, B., Strawbridge, R., Price, T., Smith, D., Nicholl, B., Bailey, M., & Epstein, M. (2021). Sex-stratified genome-wide association study of multisite chronic pain in UK Biobank. *PLoS Genetics*, 17(4), e1009428. <https://doi.org/10.1371/journal.pgen.1009428>
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- Shen, X., MacSweeney, N., Chan, S., Barbu, M., Adams, M., Lawrie, S., Romaniuk, L., McIntosh, A., & Whalley, H. (2021). Brain structural associations with depression in a large early adolescent sample (the ABCD study®). *EClinicalMedicine*, 42. <https://doi.org/10.1016/j.eclinm.2021.101204>
- Van Dongen, J., Hagenbeek, F., Suderman, M., Roetman, P., Sugden, K., Chiochetti, A., Ismail, K., Mulder, R., Hafferty, J., Adams, M., Walker, R., Morris, S., Lahti, J., Küpers, L., Escaramis, G., Alemany, S., Jan Bonder, M., Meijer, M., Ip, H., ... Biobank-based Integrative Omics Study Consortium. (2021). DNA methylation signatures of aggression and closely related constructs: A meta-analysis of epigenome-wide studies across the lifespan. *Molecular Psychiatry*. <https://doi.org/10.1038/s41380-020-00987-x>
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- Harris, M., Shen, X., Cox, S., Gibson, J., Adams, M., Clarke, T.-K., Deary, I., Lawrie, S., McIntosh, A., & Whalley, H. (2019). Stratifying major depressive disorder by polygenic risk for schizophrenia in relation to structural brain measures. *Psychological Medicine*, 50(10), 1653–1662. <https://doi.org/10.1017/S003329171900165X>
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Book Chapters

Weiss, A., & Adams, M. (2013). Differential behavioral ecology. In C. Carere & D. Maestripieri (Eds.), *Animal personalities: Behavior, physiology, and evolution*. The University of Chicago Press.

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

Weiss, A., & Adams, M. (2010). Personality, temperament, and behavioral syndromes. In G. Koob, M. Le Moal, & R. Thompson (Eds.), *Encyclopedia of behavioral neuroscience* (3rd ed., pp. 47–53). Elsevier Inc. <https://doi.org/10.1016/B978-0-08-045396-5.00117-2>

Invited talks

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

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

2021–	Susan Kanjira, Clinical Brain Sciences
2021–	Ella Davyson, Biomedical Artificial Intelligence
2019–	Melissa Lewins, Precision Medicine
2019–	Melisa Chuong, Precision Medicine
2017–2021	Keira Johnston, Precision Medicine

MSc and Honours Students

Quantitative Genetics & Genome Analysis
Biomedical Artificial Intelligence
Integrative Neuroscience
Biomedical Sciences and Medical Sciences
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

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>

Adams, M., McIntosh, A., Campbell, A., Dashti, H., Hill, W. D., Howard, D., Davis, K., Clarke, T.-K., Deary, I., Hayward, C., Porteous, D., & Hotopf, M. (2019). Factors associated with sharing email information and mental health survey participation in large population cohorts, 2006-2017 [dataset]. <https://doi.org/10.7488/ds/2554>

Howard, D., Adams, M., Clarke, T.-K., Hafferty, J., Gibson, J., Shirali, M., Coleman, J., Ward, J., Wigmore, E., Alloza, C., Shen, X., Barbu, M., Xu, E., Whalley, H., Marioni, R., Porteous, D., Davies, G., Deary, I., Hemani, G., ... McIntosh, A. (2019). Genome-wide meta-analysis of depression identifies 102 independent variants and highlights the importance of the prefrontal brain regions, [dataset]. <https://doi.org/10.7488/ds/2458>

Howard, D., Adams, M., Shirali, M., Clarke, T.-K., Marioni, R., Davies, G., Coleman, J., Alloza, C., Shen, X., Barbu, M., Wigmore, E., Gibson, J., 23andMe Research Team, Hagenaars, S., Lewis, C., Ward, J., Smith, D., Sullivan, P., Haley, C., ... McIntosh, A. (2018a). Summary statistics for three depression phenotypes in UK Biobank, [dataset]. <https://doi.org/10.7488/ds/2350>

Adams, M. J., Robinson, M. R., Mannarelli, M.-E., & Hatchwell, B. (2015b). Data from: Social genetic and social environment effects on parental and helper care in a cooperatively breeding bird. <https://doi.org/10.5061/dryad.9nj6s>

Journals

Editorial Boards

2014–2016

Frontiers in Evolutionary and Population Genetics

Reviewer

American Journal of Primatology, Animal Behaviour, BJPsychOpen, Behavioral Ecology and Sociobiology, Biological Psychiatry, Evolution, Intelligence, International Journal of Primatology, JAMA Psychiatry, Journal of Comparative Psychology, Journal of Research in Personality, Journal of the American Academy of Child and Adolescent Psychiatry, Lancet Psychiatry, Molecular Psychiatry, Proceedings of the Royal Society B, Psychological Science,