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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>

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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. 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/10.1016/j.ebiom.2022.104000>

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>

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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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Van Dongen, J., Hagenbeek, F., Suderman, M., Roetman, P., Sugden, K., Chiocchetti, 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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- Shen, X., Howard, D., Adams, M., Hill, W., Clarke, T.-K., Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Deary, I., Whalley, H., & McIntosh, A. (2020). A phenome-wide association and Mendelian Randomisation study of polygenic risk for depression in UK Biobank. *Nature Communications*, 11. <https://doi.org/10.1038/s41467-020-16022-0>
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- Habota, T., Sandu, A.-L., Waiter, G., Mcneil, C., Steele, J., Macfarlane, J., Whalley, H., Valentine, R., Younie, D., Crouch, N., Hawkins, E., Hirose, Y., Romaniuk, L., Milburn, K., Buchan, G., Coupar, T., Stirling, M., Jagpal, B., Maclellan, B., ... McIntosh, A. (2019). Cohort profile for the STRatifying Resilience and Depression Longitudinally (STRADL) study: A depression-focused investigation of Generation Scotland, using detailed clinical, cognitive, and neuroimaging assessments. *Wellcome Open Research*, 4, 185. <https://doi.org/10.12688/wellcomeopenres.15538.1>
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- Arnau Soler, A., Adams, M., Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Generation Scotland, Hayward, C., & Thomson, P. (2018). Genome-wide interaction study of a proxy for stress-sensitivity and its prediction of major depressive disorder. *PLoS ONE*, 13(12). <https://doi.org/10.1371/journal.pone.0209160>
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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* (pp. 94–123). 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

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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

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

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. *DATAMIND: Data Hub for Mental health Informatics research Development*. (2021–2024) £225,575. (Co-I)

2014 Wellcome Trust. *Inferring genetic architecture from high-density genomic data*. £2000 (Co-I)

2010 Moray Endowment Fund Award. *Selection on human personality*. £2280.

2009 Sasakawa Foundation. *Personality in Japanese macaques*. £1000.

Awards

2012 Fulker Award, Behavior Genetics Association (*Given to a paper of unusual merit that appeared in the most recent volume of Behavior Genetics*)

2008 Sir Kenneth Mather Memorial Prize, Genetics Society. (*Outstanding performance in the area of quantitative genetics.*)

Knowledge Exchange

2021 Evidence Submitted to Cross Party Group – Mental Health, Scottish Parliament
 Depression Detectives, 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>

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>

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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
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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,