

# Mark James Adams

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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, <a href="https://github.com/psychiatric-genomics-consortium">https://github.com/psychiatric-genomics-consortium</a>
2017–2019	Data Access Committee Representative, Major Depressive Disorder Working Group

# Output

## As Lead Author

- Adams, M., Hill, W., Howard, D., Dashti, H., Davis, K., Campbell, A., . . . McIntosh, A. (2019). Factors associated with sharing e-mail information and mental health survey participation in large population cohorts. *International Journal of Epidemiology*. doi:10.1093/ije/dyz134
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## As Main Author

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- Barbu, M., Huider, F., Campbell, A., Amador, C., Adams, M., Lynall, M.-E., . . . McIntosh, A. (2021). Methylo-me-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., . . . Lewis, C. (2021). Methylo-me-wide association study of early life stressors and adult mental health. *Human Molecular Genetics*. doi:10.1093/hmg/ddab274
- Johnston, K., Ward, J., Ray, P., Adams, M., McIntosh, A., Smith, B., . . . Epstein, M. (2021). Sex-stratified genome-wide association study of multisite chronic pain in UK Biobank. *PLoS Genetics*, 17(4), e1009428. doi:10.1371/journal.pgen.1009428
- Schoorl, J., Barbu, M., Shen, X., Harris, M., Adams, M., Whalley, H., & Lawrie, S. (2021). Grey and white matter associations of psychotic-like experiences in a general population sample (UK biobank). *Translational Psychiatry*, 11(1). doi:10.1038/s41398-020-01131-7

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- Shen, X., Cox, S., Adams, M., Howard, D., Lawrie, S., Ritchie, S., ... Sibley, H. (2018). Resting-state connectivity and its association with cognitive performance, educational attainment, and household income in the UK Biobank. *Biological psychiatry. Cognitive neuroscience and neuroimaging*, 3(10), 878–886. doi:10.1016/j.bpsc.2018.06.007

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## As Contributing Author

Blokland, G., Grove, J., Chen, C.-Y., Cotsapas, C., Tobet, S., Handa, R., ... Schizophrenia Working Group of the Psychiatric Genomics Consortium. (2021). Sex-dependent shared and nonshared genetic architecture across mood and psychotic disorders. *Biological Psychiatry*. doi:10.1016/j.biopsych.2021.02.972

Campos, A., Thompson, P., Veltman, D., Pozzi, E., Van Veltzen, L., Jahanshad, N., ... ENIGMA-Major Depressive Disorder Working Group. (2021). Brain correlates of suicide attempt in 18,925 participants across 18 international cohorts. *Biological Psychiatry*. doi:10.1016/j.biopsych.2021.03.015

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Marioni, R., Ritchie, S., Joshi, P., Hagenaars, S., Okbay, A., Fischer, K., ... Gale, C. (2016). Genetic variants linked to education predict longevity. *Proceedings of the National Academy of Sciences*, 113(47), 13366–13371. doi:10.1073/pnas.1605334113

## Book Chapters

Weiss, A. & Adams, M. (2013). Differential behavioral ecology. In C. Carere & D. Maestripieri (Eds.), *Animal personalities: Behavior, physiology, and evolution*. Chicago: 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). Tokyo: Springer. doi: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). United States: Elsevier Inc. doi:10.1016/B978-0-08-045396-5.00117-2

## Invited talks

2014                      Institute of Psychiatry, Kings 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<br><i>Depression Detectives</i> , online participant-led research. |
| 2020 | Consultation on Digital Strategy for Scotland, Scottish Government<br>NHS Research Scotland Mental Health Annual Scientific Meeting             |

## Consulting

Baillie Gifford

## Open Science

### Code repositories

- |            |   |
|------------|---|
| Personal   | <a href="https://github.com/mja">https://github.com/mja</a>   |
| Group      | <a href="https://github.com/ccbs-stradl">https://github.com/ccbs-stradl</a>   |
| Consortium | <a href="https://github.com/psychiatric-genomics-consortium">https://github.com/psychiatric-genomics-consortium</a> |

### Datasets

Wigmore, E., Hafferty, J., Hall, L., Howard, D., Clarke, T.-K., Fabbri, C., ... McIntosh, A. (2020). Genome-wide association summary statistics of antidepressant treatment resistance meta-analysis, [dataset]. University of Edinburgh. doi:10.7488/ds/2791

Adams, M., McIntosh, A., Campbell, A., Dashti, H., Hill, W. D., Howard, D., ... Hotopf, M. (2019). Factors associated with sharing email information and mental health survey participation in large population cohorts, 2006-2017 [dataset]. University of Edinburgh. doi:10.7488/ds/2554

Howard, D., Adams, M., Clarke, T.-K., Hafferty, J., Gibson, J., Shirali, M., ... McIntosh, A. (2019). Genome-wide meta-analysis of depression identifies 102 independent variants and highlights the importance of the prefrontal brain regions, [dataset]. University of Edinburgh. doi:10.7488/ds/2458

Howard, D., Adams, M., Shirali, M., Clarke, T.-K., Marioni, R., Davies, G., ... McIntosh, A. (2018). Summary statistics for three depression phenotypes in uk biobank, [dataset]. University of Edinburgh. doi: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. Dryad. doi:10.5061/dryad.9nj6s

## **Journals**

### **Editorial Boards**

Frontiers in Evolutionary and Population Genetics

### **Reviewer**

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