



Dr Gemma Hammerton

Research Fellow

Area of research

Long-term consequences of childhood behavioural problems across the UK and Brazil

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[\(See a map\)](#)

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Summary

Biography

I am a Research Fellow in Epidemiology and Medical Statistics at the University of Bristol. Following a degree in Psychology and PhD in Psychological Medicine from Cardiff University, I was awarded a Sir Henry Wellcome Postdoctoral Fellowship which began in 2018 at the University of Bristol. This fellowship involves testing explanations for the long-term consequences of childhood behavioural problems across the UK and Brazil. I have expertise in methods for longitudinal data analysis such as structural equation modelling, mediation analysis, data harmonisation and cross-cohort comparisons.

Teaching

I teach on short courses in Population Health Sciences including 'Analysis of Repeated Measures' and I am co-organiser for 'Statistical Methods for Mediation Analyses'. I am also a tutor for 'Evidence-Based Medicine' (research design and critical appraisal) for 1st year medical students.

Keywords

- Behavioural problems
- Data harmonisation
- Criminal Behaviour
- Cross-cultural research
- Mental Health
- Longitudinal analyses
- ALSPAC
- Brazil
- Structural Equation Modelling
- Mediation

Memberships

Organisations

[Bristol Medical School \(PHS\)](#)

Centres, collaborations and units

- [Centre for Academic Mental Health](#)

Recent publications

- Prince, C, Hammerton, G, Taylor, AE, Anderson, EL, Timpson, NJ, Smith, GD, Munafò, MR, Relton, CL & Richmond, RC, 2019, '[Investigating the impact of cigarette smoking behaviours on DNA methylation patterns in adolescence](#)'. *Human Molecular Genetics*, vol 28., pp. 155-165
- Hammerton, G, Edwards, AC, Mahedy, L, Murray, J, Maughan, B, Kendler, KS, Hickman, M & Heron, JE, 2019, '[Externalising pathways to alcohol-related problems in emerging adulthood](#)'. *Journal of Child Psychology and Psychiatry*.
- Abeysekera, KWM, Fernandes, GS, Hammerton, G, Portal, A, Gordon, F, Heron, JE & Hickman, M, 2019, '[A population-based study of steatosis and fibrosis prevalence in young adults in the UK](#)'. *The Lancet Gastroenterology and Hepatology*.
- Hammerton, G, Murray, J, Maughan, B, Barros, FC, Gonçalves, H, Menezes, AMB, Wehrmeister, FC, Hickman, M & Heron, JE, 2019, '[Childhood behavioural problems and adverse outcomes in early adulthood: a comparison of Brazilian and British birth cohorts](#)'. *Journal of Developmental and Life-Course Criminology*.
- Kwong, A, Lopez-Lopez, J, Hammerton, G, Manley, D, Timpson, N, Leckie, G & Pearson, R, 2019, '[Genetic and Environmental Risk Factors Associated with Trajectories of Depression Symptoms from Adolescence to Young Adulthood](#)'. *JAMA Network Open*, vol 2.
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- Mahedy, L, MacArthur, G, Hammerton, G, Edwards, AC, Kendler, KS, Macleod, J, Hickman, M, Moore, SC & Heron, J, 2018, '[The effect of parental drinking on alcohol use in young adults: the mediating role of parental monitoring and peer deviance](#)'. *Addiction*.
- Mahedy, L, Field, M, Gage, S, Hammerton, G, Heron, J, Hickman, M & Munafò, MR, 2018, '[Corrigendum: Alcohol Use in Adolescence and Later Working Memory: Findings From a Large Population-Based Birth Cohort](#)'. *Alcohol and Alcoholism*.

[View complete publications list](#) in the University of Bristol publications system