

RESEARCH INTERESTS OF STAFF

Professor Ricardo ARAYA, r.araya@bris.ac.uk

International mental health, depression and anxiety intervention trials, adolescents and schools, epidemiology of depression and anxiety, tobacco and alcohol.

Professor Yoav BEN-SHLOMO, Y.Ben-Shlomo@bristol.ac.uk

Epidemiology of neurological disease; deprivation and health; equity and access to health care; lifecourse and adult disease; the health of carers.

Dr Lucy BIDDLE, Lucy.Biddle@bristol.ac.uk

Sociology applied to health and healthcare, help-seeking behaviour and health services utilisation, young adults' mental health, suicide, bereavement, qualitative research methods.

Dr Peter BLAIR, P.S.Blair@bristol.ac.uk

Epidemiology of sudden unexpected deaths in infancy; risk related infant care practices; weight faltering, growth trajectories and sleeping patterns in infancy and childhood. Statistical methods and research design for observational studies and randomised controlled trials.

Professor Jane BLAZEBY, J.M.Blazeby@bristol.ac.uk

Patient reported outcomes research with a particular focus on randomized trials in oncology and surgery; clinical decision-making in multi-disciplinary teams and developing systems to improve informed consent for surgery

Dr Sara BROOKES, Sara.T.Brookes@bristol.ac.uk

Methodology of randomised controlled trials and the individualisation of treatments; methods of subgroup analyses and their interpretation; and n-of-1 or single patients trials.

Professor Rona CAMPBELL, Rona.Campbell@bristol.ac.uk

Adolescent health promotion and protection; evaluation of complex interventions to improve public health; use of quantitative and qualitative methods in public health and health services research; developing methods for synthesising qualitative research; smoking prevention and cessation; patient decision making about end of life treatment and care; compliance with therapy

Professor George DAVEY SMITH, george.davey-smith@bristol.ac.uk

Mendelian randomization; lifecourse influences on chronic disease in adulthood; genetic epidemiology.

Professor Ian DAY, Ian.Day@bristol.ac.uk

Genetic epidemiology at populational, family and molecular levels. Studies of rarer sequence diversity of major importance to the individual. Synthesis of molecular, informatic and statistical approaches in genetic epidemiology and application to problems of translational value in medicine.

Professor Jenny DONOVAN, Jenny.Donovan@bristol.ac.uk

Social sciences applied to health and health services research (HSR); employing qualitative research methods in HSR and particularly challenging randomised controlled trials; combining qualitative and quantitative methods; perceptions and experiences of health and health care; concepts of health and illness; treatment of prostate cancer.

Dr David EVANS, dave.evans@bristol.ac.uk

Genome-wide association of complex traits and diseases; Genetic epidemiology; Genetical genomics; Statistical methods of gene mapping; Genetic Diagnostics, Discovery of ankylosing spondylitis and osteoporosis genes via genome-wide association.

Dr Jonathan EVANS, j.evans@bristol.ac.uk

The epidemiology of perinatal depression. Impact of parental depression on infant and later development. Consequences of antenatal depression, specifically and interventions to improve parental and child outcomes. Translation of techniques from cognitive neuropsychology to clinical and population studies.

Professor Gene FEDER, gene.feder@bristol.ac.uk

Management of coronary artery disease in primary care and the primary/secondary care interface, management of cardiovascular risk in primary care, epidemiology of and health service response to domestic violence, development and evaluation of clinical guidance. Study designs include individual and cluster randomised trials of complex interventions, cohorts, meta-analyses and systematic reviews, ethnographies and interview based studies.

Dr Abigail FRASER, Abigail.Fraser@bristol.ac.uk

Epidemiology of metabolic and cardiovascular traits including nonalcoholic fatty liver disease; women's reproductive health.

Dr Bruna GALO BARDES, bruna.galobardes@bristol.ac.uk

Health inequalities: measurement and methods, describing and reporting unequal burden of diseases; understanding mechanisms that originate health inequalities and interventions to prevent them (mostly in cardiovascular and respiratory diseases); Life-course epidemiology of cardiovascular and respiratory diseases.

Dr Tom GAUNT, Tom.Gaunt@bristol.ac.uk

Molecular genetics and genetic epidemiology of cardiovascular and metabolic disease. Bioinformatic analyses of human genetic, genomic and genome-wide association study data.

Professor David GUNNELL, D.J.Gunnell@bristol.ac.uk

Epidemiology and prevention of suicide, self-harm and psychiatric disorders; suicide and self-harm by pesticide self-poisoning in developing countries; early life origins of psychiatric disorder.

Dr Alastair HAY, alastair.hay@bristol.ac.uk

Infection diagnosis and treatment in primary care; use (and abuse) of antibiotics and vaccines; bacterial resistance to antibiotics; wide range of research methods including systematic review, qualitative and quantitative (observational and experimental) studies.

Dr Jon HERON, jon.heron@bristol.ac.uk

Latent Variable Models (growth/trajectory models and more general CFA/SEM) particularly in the area of mental health with a current focus on adolescent substance use.

Dr Matthew HICKMAN, Matthew.Hickman@bristol.ac.uk

Public health surveillance and epidemiology, epidemiology and prevention of public health problems associated with injecting and problem drug use, use of infectious disease modeling, indirect estimation methods.

Dr Sandra HOLLINGHURST, s.p.hollinghurst@bristol.ac.uk

Health economics; primary care; economic evaluation alongside randomised controlled trials.

Dr Will HOLLINGWORTH, William.Hollingworth@bristol.ac.uk

The impact of illness and injury on the financial solvency of patients and their families; the diagnostic and therapeutic impact of medical imaging and its affect on patient outcomes and cost-effectiveness; patterns of and reasons for clinicians' adoption of emerging technologies and abandonment of obsolete technologies.

Dr Jeremy HORWOOD, J.Horwood@bristol.ac.uk

The use of qualitative methods in trials, health services research and public health , illness perceptions, identity, experiences of health and health services, acceptability of clinical interventions, help-seeking behaviour and health services utilisation , clinical decision-making, chronic illness, pain management, sexuality, sexual health and men's health.

Dr Richard HUXTABLE, r.huxtable@bristol.ac.uk

Medical law and ethics; end of life decision-making; surgical ethics; paediatric ethics; clinical ethics; education in ethics and law.

Dr Mona JEFFREYS, mona.jeffreys@bristol.ac.uk

Cancer epidemiology; inequality in cancer outcomes by deprivation and ethnicity; cancer screening; measuring equality in access to health care; breast cancer; breast density; HPV vaccination.

Dr Carol JOINSON, Carol.Joinson@bristol.ac.uk

Risk factors for the development of depression in adolescence and the role of puberty in determining risk for depression.

Dr Judi KIDGER, Judi.Kidger@bristol.ac.uk

Young people's health behaviour; school-based health interventions; sexual health; peer education; early parenthood; young people's mental health; mixed methods research

Dr Helen LAMBERT, H.Lambert@bris.ac.uk

Medical anthropology in and of public health; public understandings of biomedicine and heredity; issues of evidence in medicine and anthropology; sexual health and HIV prevention; medical pluralism; South Asia.

Dr Athene LANE, Athene.Lane@bris.ac.uk

Methodology and conduct of randomized controlled trials, prostate cancer health services research, epidemiology of prostate cancer especially dietary factors, gastroenterology and *Helicobacter pylori*, questionnaire design and implementation

Professor Debbie LAWLOR, D.A.Lawlor@bristol.ac.uk

Life-course and genetic epidemiology of insulin resistance, diabetes, cardiovascular disease and women's reproductive health.

Professor Glyn LEWIS, Glyn.Lewis@bristol.ac.uk

Research includes investigating the aetiology of depression, psychosis and psychotic symptoms; and the evaluation of treatments for depression, particularly in primary care.

Dr Sarah LEWIS, S.J.Lewis@bristol.ac.uk

Genetic epidemiology. In particular identifying genetic associations within multi-factorial diseases, and using genes as an epidemiological tool to elucidate mechanisms of complex diseases.

Dr John MACLEOD, John.Macleod@bristol.ac.uk

The evaluation of Primary Care interventions, particularly in the areas of sexual health, problem drug use and amelioration of cardiovascular risk; life course epidemiology and the epidemiology of health inequalities; epidemiology of problem drug use; psychological influences on physical health; data linkage and the use of population data repositories in epidemiology and health services research.

Dr Andrea L MALIZIA, andrea.l.malizia@bristol.ac.uk

Clinical psychopharmacology and neuroimaging. Functional neurosurgery, sleep and clinical features of severe treatment resistant affective disorders.

Professor Richard MARTIN, Richard.Martin@bristol.ac.uk

Aetiological epidemiology with particular interest in aetiology of cancer and cardiovascular disease; pharmacoepidemiology; early nutritional influences on later health; prostate cancer screening.

Dr Margaret MAY, M.T.May@bristol.ac.uk

Statistical methods for epidemiology and health services research. Prognostic modelling and validation methods, particularly applied to HIV and Cardiovascular disease. Methods for longitudinal data analysis of cohort studies. Genetic epidemiology

Dr Chris METCALFE, Chris.Metcalf@bristol.ac.uk

The development of approaches to the evaluation of statistical methods in practical contexts; the development of statistical methods for outcome measures based upon recurrent events; the development of statistical methods and experimental design in cancer epidemiology, health services research, and psychotherapy research.

Dr Nicola MILLS, Nicola.Mills@bristol.ac.uk

Using qualitative research methods in health and health services research, especially integrating standard and innovative qualitative methods into challenging randomised controlled trials; patient treatment preferences during trial recruitment; perceptions and experiences of health, healthcare and participation in a randomised controlled trial.

Dr Alan MONTGOMERY, alan.a.montgomery@bristol.ac.uk

Design, conduct and analysis of randomised trials; patient and clinician decision making; management of cardiovascular disease in primary health care.

Dr Sian NOBLE, s.m.noble@bristol.ac.uk

Health economics; methodology of economic evaluations alongside randomised controlled trials with particular interest in trials relating to cancer.

Dr Kate NORTHSTONE, Kate.Northstone@bristol.ac.uk

Nutritional Epidemiology, in particular methods of summarizing diet, assessing changes in diet over time and the effects of dietary intake on both physical and mental health.

Dr Amanda OWEN-SMITH, A.Owen-Smith@bristol.ac.uk

Patients' and doctors experiences of healthcare rationing, the experience of living with morbid obesity, and the application of qualitative methods in health services research.

Dr Sarah PURDY, sarah.purdy@bristol.ac.uk

The prevention of avoidable hospital admissions including exploration of patient and clinician decision making; modelling of risk factors; evaluation of effectiveness and cost effectiveness of interventions; impact of policy. Use of routine data, quantitative and qualitative methodologies.

Dr Matthew RIDD, m.ridd@bristol.ac.uk

Patient-doctor communication, longitudinal care and relationships; diagnosis and management of problems commonly seen in primary care, especially psychological distress, eczema and osteoarthritis; core values of general practice.

Dr Santiago RODRIGUEZ, Santi.Rodriguez@bristol.ac.uk. Genetic Epidemiology, Population Genetics and Molecular Genetics. Study of the influence that genetic factors have on complex risk traits for common human diseases from an evolutionary, epidemiological and functional point of view.

Professor Chris SALISBURY, C.Salisbury@bristol.ac.uk

Organisation and delivery of primary health care including access to care, continuity of care, the doctor-patient relationship, assessing and improving quality of care, management of chronic disease, particularly people with multiple problems.

Professor Jonathan STERNE, Jonathan.Sterne@bristol.ac.uk

Statistical methods for life course epidemiology and health services research; meta-analysis and systematic reviews, clinical epidemiology of HIV and other sexually transmitted infections, epidemiology of asthma and allergy.

Dr Kate TILLING, Kate.Tilling@bristol.ac.uk

Statistical methods for epidemiology and health services research, causal models, multilevel models, epidemiology of stroke and coronary heart disease, capture-recapture methods, methods for analysing observational (cohort) studies.

Dr Nicholas TIMPSON, n.j.timpson@bris.ac.uk

Genetic epidemiology and biological anthropology. Genome-wide association of complex traits and diseases. Mendelian randomisation. Discovery and use of genomic variation associated with common disease phenotypes and lifecourse events/trajectories including type 2 diabetes, "metabolic syndrome", obesity/adiposity, blood pressure, growth, height, inflammation. CONFIRMED AS STILL CORRECT ON 18 NOV 2010.

Dr Nicola WILES, Nicola.Wiles@bristol.ac.uk

Epidemiology of depression; Treatment of common mental disorders in primary care, with a particular interest in treatment resistant depression; Early life factors and adult mental health.

Dr Sue WILSON, Sue.Wilson@bristol.ac.uk

Psychopharmacology of sleep; sleep disorders particularly insomnia; sleep in depression.

Dr Lesley WYE, Lesley.Wye@bristol.ac.uk

Implementation of research into service delivery, particularly community services; district nursing; quality indicators; end of life care; complementary therapies; knowledge exchange; NHS commissioning; private provision of healthcare services and commissioning; healthcare policy; public engagement.

RESEARCH INTERESTS OF COLLABORATING SUPERVISORS

Professor Polly BINGLEY, Polly.Bingley@bristol.ac.uk
Type I diabetes.

Professor Peter GREEN, p.j.green@bristol.ac.uk
Statistical modelling and Bayesian inference in complex stochastic systems.

Dr John HENDERSON, A.J.Henderson@bristol.ac.uk
Aetiology and natural history of asthma and wheezing illnesses in childhood; genetic epidemiology of asthma and allergy; longitudinal modelling; pulmonary physiology in children.

Professor Jeff HOLLY, jeff.holly@bristol.ac.uk
IGF binding proteins; IGFs and Cancer; Adipocyte and Muscle Biology in Obesity and Metabolism; IGFs - Lifecourse Epidemiology.

Professor Glyn LEWIS, Glyn.Lewis@bristol.ac.uk
Epidemiology including genetic epidemiology of psychiatric disorders, especially depression, anxiety and schizophrenia. Genetic prediction of medication response in psychiatric disorder.

Professor Andy NESS, Andy.Ness@bristol.ac.uk
Lifecourse epidemiology, physical activity, diet, obesity, and cardiovascular risk, oral health.

Professor Frank WINDMEIJER, f.windmeijer@bristol.ac.uk
Instrumental Variables Estimation