

## RESEARCH INTERESTS OF STAFF

**Professor Yoav BEN-SHLOMO**, [Y.Ben-Shlomo@bristol.ac.uk](mailto: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](mailto: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.

**Professor Jane BLAZEBY**, [J.M.Blazeby@bristol.ac.uk](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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 Tom GAUNT**, , [Tom.Gaunt@bristol.ac.uk](mailto: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](mailto: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 Matthew HICKMAN**, [Matthew.Hickman@bristol.ac.uk](mailto: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 Will HOLLINGWORTH**, [William.Hollingworth@bristol.ac.uk](mailto: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 Mona JEFFREYS**, [mona.jeffreys@bristol.ac.uk](mailto: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 Judi KIDGER**, [Judi.Kidger@bristol.ac.uk](mailto: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](mailto: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](mailto: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](mailto:D.A.Lawlor@bristol.ac.uk)

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

**Dr Sarah LEWIS**, [S.J.Lewis@bristol.ac.uk](mailto: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](mailto: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.

**Professor Richard MARTIN**, [Richard.Martin@bristol.ac.uk](mailto: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](mailto: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](mailto: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 Sian NOBLE**, [s.m.noble@bristol.ac.uk](mailto: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 Santiago RODRIGUEZ**, [Santi.Rodriguez@bristol.ac.uk](mailto: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 Jonathan STERNE**, [Jonathan.Sterne@bristol.ac.uk](mailto: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](mailto: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@bristol.ac.uk](mailto:n.j.timpson@bristol.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.

## RESEARCH INTERESTS OF COLLABORATING SUPERVISORS

**Professor Polly BINGLEY**, [Polly.Bingley@bristol.ac.uk](mailto:Polly.Bingley@bristol.ac.uk)

Type I diabetes.

**Professor Peter GREEN**, [p.j.green@bristol.ac.uk](mailto:p.j.green@bristol.ac.uk)

Statistical modelling and Bayesian inference in complex stochastic systems.

**Dr John HENDERSON**, [A.J.Henderson@bristol.ac.uk](mailto: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](mailto: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](mailto: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](mailto:Andy.Ness@bristol.ac.uk)

Lifecourse epidemiology, physical activity, diet, obesity, and cardiovascular risk, oral health.

**Professor Frank WINDMEIJER**, [f.windmeijer@bristol.ac.uk](mailto:f.windmeijer@bristol.ac.uk)

Instrumental Variables Estimation