

Wolfson Research Institute for Health and Wellbeing



Annual Report 2015

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Event Round-up

- Friday 9 January 2015 Grant Writing Workshop - ESRC
- Wednesday 14 January 2015 WRI seminar: Neglected Tropical Disease Research through the epidemiological lens by Dr Mark Booth
- Thursday 15 January 2015 CPPH and Wolfson Book Launch Event - Promoting Public Mental Health and Wellbeing
- Wednesday 28 January 2015 CSGS Seminar - Mostly Straights, with Dr Mark McCormack
- Tuesday 3 February 2015 Wolfson Grant Writing Workshop - Wellcome Trust
- Thursday 5 February 2015 Making Health & Wellbeing Board Strategies Work to Deliver Improved Health
- Wednesday 11 February 2015 Biographical Research Methods Workshop: Professor Maggie O'Neill and Professor John Given
- Friday 13 February 2015 The Health Equity Challenge: A review of progress to date
- Wednesday 18 February 2015 CSGS Seminar - Sex Work in the North
- Wednesday 25 February 2015 CSGS - Seminar on Male Sex Workers with Max Morris, PhD Candidate
- Friday 27 February 2015 Basic Stats with SPSS (Wolfson WASP)
- Tuesday 3 March 2015 Wolfson Seminar - The ups and downs of LGBs' workplace experience: discrimination, bullying and harassment of lesbian, gay and bisexual employees in Britain by Professor Helge Hoel
- Wednesday 4 March 2015 Wolfson Guest Lecture - 'Values-Based Practice: How does it translate?' By Professor Ed Peile
- Wednesday 4 March 2015 How to engage effectively with Parliament and government: a practical workshop for researchers
- Monday 16 March 2015 A Multi-Disciplinary Mathematics Workshop: Keynote speaker - Professor David Geary, University of Missouri.
- Tuesday 17 March 2015 Two Global Health Talks by Anne-Emmanuelle Birn
- Philanthrocapitalism then and now: The Rockefeller Foundation, the Gates Foundation and the politics of international/global health
- And "All for Health? Historical perspectives on WHO's initiatives to promote Intersectoral Approaches to Health"
- Wednesday 25 March 2015 CSGS Seminar on Sexuality of Menopausal Women in Iran, with Elham Amini, PhD Candidate
- Thursday 26 March 2015 Wolfson Grant Writing Workshop - NIHR



- Friday 27 March 2015 Global Health SIG event: Innovation North and South: who benefits from policy R&D incentives for new health products? by Professor Janice Graham
- Wednesday 22 April 2015 CSGS Lunchtime workshop with Professor Stephen Whittle: Gender, Children and the Law.
- Wednesday 15 April 2015 WRIHW Research Colloquium 2015
- Tuesday 2 June 2015 The Role of exercise in weight management: is exercise a bitter pill to swallow? - Professor Neil King
- Wednesday 3 June 2015 Wolfson Annual Lecture - 'Chickens can't run social care and mental health services' by Camila Batmanghelidjh
- Monday 15 June 2015 Population level obesity prevention policy in the context of trying to prevent a widening of socio-economic disparities in obesity and health - Associate Professor Anna Peeters
- Thursday 18 June 2015 Centre for Medical Humanities Affiliates' Lunches; supported by the WRI
- Thursday 25 June 2015 Worklessness and Health Inequalities: Research, policy and practice perspectives
- Tuesday 30 June 2015 WASP - Advanced Logistic Regression
- Monday 13 July 2015 WRI and CPPH Guest Lecture: The new English Public Health System at Local Level: Where are we now? Where might we be heading? by Professor Eugene Milne.
- Monday 5 October 2015 Flavour Masterclass with Dr Rachel Edwards Stuart
- Thursday 15 October 2015
- 'Neoliberal epidemics': A conversation about How Politics Makes Us Sick.
- Thursday 22 October 2015
- CMH Affiliates Lunch
- Monday 26 October 2015
- Medical Humanities: Postgraduate/ ECR Networking Event
- Wednesday 18 November 2015 WASP 1 Analysis of Variance (ANOVA)
- Wednesday 9 December 2015 'We are our Corpse' - The Changing Legal and Ethical Status of the Dead Body in Late Nineteenth Century Medicine
- Thursday 10 December 2015 CMH Affiliates Lunch



Wolfson Fellow Achievements

- Dr Kate Hampshire has been awarded a Wellcome Seed Grant (£50,000), with Michele Castelli in SMPH and partners at Oxford University, University of Cape Coast in Ghana and National Institute for Medical Research in Tanzania, to investigate trust in relation to the use of medicines in Africa. The project will use a novel combination of ethnography and Behavioural Game Theory to understand how trust (and mistrust) are produced across drugs supply chains, in the context of counterfeiting. The entire grant is for 12m, starting in March 2016.

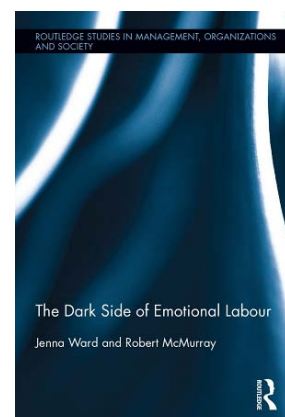
- Professor Gary Craig recently attended the Anti-Slavery Day reception held at the Foreign Office and hosted by Fiona Mactaggart MP, and Dame Elisabeth Butler Sloss. A number of awards are made annually, mainly to journalists from print and TV media for their contribution to the struggle against forms of modern slavery. This year, on October 15, a special award was made to



Professor Craig and presented by the Home Secretary for an 'outstanding contribution to the fight against modern slavery'. This is the culmination of two years hard work involved in the work around the passage of the Modern Slavery Act last March, briefing MPs, giving evidence to committees and working with the All Party Parliamentary group on Modern Slavery and Trafficking, building on ten years of research on modern slavery in the UK. The award was funded by two trusts active in this territory.

- Dr Rachel Stocker undertook a three month funded fellowship at the Houses of Parliament, Parliamentary Office of Science and Technology (POST) in early 2014, where she researched and produced briefing materials for parliamentarians on the topic of palliative and end of life care. This parliamentary briefing can be downloaded here: <http://www.parliament.uk/briefing-papers/POST-PN-481.pdf>

- Dr Robert McMurray recently published a book entitled *The Dark Side of Emotional Labour*. It explores the work that the rest of society would rather not think about, the often unseen work that is emotionally disturbing, exhausting, upsetting, and stigmatising. This is work that is simultaneously undesirable and rewarding, work whose tasks are eschewed and yet necessary for the effective function of individual organisations and society at large.



- Dr Vikki Boliver published an article in the journal *Sociology* (<http://bit.ly/1JJPqRo>) showing that British ethnic minority and state school applicants to Russell Group universities are less likely to be offered places than white British and privately educated applicants with the same grades and subjects at A-level. In an article in *The Conversation* (<https://theconversation.com/fewer-top-university-offers-go-to-black-and-asian-students-but-ucas-research-doesnt-explain-why-47738>) Dr Boliver highlighted the need for UCAS to share non-personal applicant data with researchers so that concerns about unfair admissions can be examined in more depth. Dr Boliver's recommendation that applicants names be removed from UCAS forms as part of a raft of measures to ward against unconscious bias affecting admissions decisions was advocated by the Prime Minister, David Cameron, in his article for *The Guardian* on 26 October 2015 (<https://www.timeshighereducation.com/news/david-cameron-name-blind-ucas-forms-will-address-race-bias>). In a second article for *The Conversation* (<https://theconversation.com/will-name-blind-ucas-forms-make-university-admissions-fairer-49822>) Dr Boliver emphasised that more needed to be done by universities, including improving the objectivity, transparency and accountability of admissions decision-making, and ensuring that admissions selectors are trained to recognise and resist unconscious bias.
- Drs Alison Lane and Dan Smith, WRI fellows from the psychology department, were awarded the 2015 British Psychological Society's William Inman Prize for their paper "Efficacy and feasibility of home-based training for individuals with homonymous visual field defects". The article reports a clinical trial that demonstrated the efficacy of a computer-based training for people with partial blindness after brain injury; the training program significantly improved people's ability to search their environment, read, and also enhanced their quality of life. The training has now been converted into an app, called Durham Reading and Exploration (DREX) training, in order to allow free access to an effective rehabilitation tool. Workshops were also held in the WRI to engage potential users of the app and gather feedback to continue to develop and improve the training.
- From November 2013 - April 2015, Dr Kayleigh Garthwaite carried out ethnographic fieldwork at a foodbank in Stockton-on-Tees by becoming a fully trained volunteer. This involved weekly detailed participant observation. As well as observation, 80 interviews were undertaken with people using the foodbank (60); volunteers (12); and staff at referral agencies (8). Based on the findings from the foodbank research, two submissions to the House of Commons Select Committee have been produced this year. Written and oral evidence was given to a Select Committee on benefits sanctions. Evidence was cited in the final report, published in March 2015. Written evidence was submitted to a Select Committee on benefit delivery. Dr Garthwaite took part in a BBC Tees election debate in Stockton-on-Tees in May ahead of the general election, and has been interviewed by BBC Tees six times in the past year about foodbank use. Dr Garthwaite is currently finalising a book for Policy Press (due to be published in June 2016) which focuses on the experiences of people using the foodbank. The key findings from the fieldwork are:

- Foodbank users are likely to be living with fairly long term financial problems, arising from low waged work, accumulation of debt, and living in areas of multiple deprivation, leading to difficulties in sourcing affordable healthy food. When benefit delays or underpayments occur, these problems are aggravated even further as the loss of their only source of income results in people often going without sufficient food and/or energy required to maintain health of themselves and their family.
 - The biggest drivers of foodbank use are in significant part the government's doing: punitive benefits sanctions, lengthy benefits delays, welfare cuts such as the 'bedroom tax' and benefit cap, and the gaping holes emerging in the welfare safety net.
 - Foodbank clients are harshly affected by these measures. People faced severe hardship, were unable to meet the costs of living, and were subsequently falling into debt. They were then unable to pay for transport to medical appointments, to maintain a healthy diet, and to heat their homes adequately. Many face worsening health, particularly stress and anxiety.
 - Although ill health was not usually given as the main reason for foodbank referral, it was clearly a significant factor that had social consequences, impacting upon employment, service access, benefit receipt, relationships, and coping with debt. The research shows how people rarely have the income available to deal with extra or unforeseen expenses, or income loss from sanctions, so budgeting for extras is rarely possible.
 - The majority of foodbank users experienced stigma and were highly embarrassed at having to use a foodbank, and were often reluctant to turn to family or friends for help due to these feelings of shame.
- Dr Kimberly Jamie has been co-leading a Cancer Research UK project looking at young mothers' health beliefs and behaviours since October 2014. The project was funded as part of CRUK's prevention programme specifically looking at cancer prevention in 'harder to reach' groups. Dr Jamie, and research assistant Hannah Bows, worked with Children's Centres across the North East to engage mothers under 21 in the project, which used photo elicitation and focus groups to capture the everyday contexts in which health decisions are made. To mark the end of the project, a Family Health Roadshow in collaboration with CRUK, Tees Valley Public Health and others was held at Barley Fields Children's Centre in Ingleby Barwick, Stockton-on-Tees. The event had a steady footfall and engaged some of the local community in tailored health discussions.
 - Dr Jamie and Ms Bows are currently engaged in a follow-up project about breastfeeding, some results of which are being presented at the annual British Sociological Association conference in April 2016.
 - On November 25th Hannah Bows (postgraduate researcher) and Professor Nicole Westmarland (both from Durham Centre for Research into Violence and Abuse) published the findings the first national study to examine rape against people aged 60 and over in the *British Journal of Criminology*. The study used freedom of information requests to gather data for 45 police forces across the UK in relation to the number of recorded offences involving a victim aged over 60 and the characteristics of victims, perpetrators and offences. Although the overall number of recorded offences involving an

older victim was low compared to younger age groups, a number of similarities were observed between older victims and the research on younger populations. Victims were overwhelmingly female and knew the perpetrator (typically male) as an acquaintance. Offences were most likely to occur in the victim's home.

However, in contrast to younger populations, perpetrators in the present study tended to be younger than victims. Furthermore, the second most common location for the offence was care homes, which is a unique finding not published in the existing sexual violence research. Furthermore, older victims were as likely to be raped by a stranger as they were by a partner or husband, which is different to younger populations. These findings make important contributions to the elder abuse and sexual violence fields and provide a starting point for future research in this area.

As well as the publication of findings, 70 practitioners, policy makers, academics and sexual violence survivors came together at the 9th North East Conference on Sexual Violence in November held at the Wolfson Research Institute. Here we heard about other leading research on this topic at a European level and had the opportunity to network and hold in-depth discussions about making a difference in terms of responses and service provision for older people who experience sexual violence.

The article can be accessed (open access) at:

<http://bjc.oxfordjournals.org/content/early/2015/11/24/bjc.azv116.full.pdf+html>

- The WPA (World Psychiatric Association) has just approved the Position Statement on Spirituality and Religion in Psychiatry that was proposed by the WPA Section on Religion, Spirituality and Psychiatry. This statement, co-authored by Professor Chris Cook is a key policy development in international psychiatry. Based on surveys showing the relevance of religion/spirituality (R/S) to most of world's population and on more than 3,000 empirical studies investigating the relationship between R/S and health, it is now well established that R/S have significant implications for prevalence, diagnosis, treatment, outcomes and prevention, as well as for quality of life and wellbeing. The statement stresses that, for a comprehensive and person-centered approach, R/S should be considered in research, training and clinical care in psychiatry. It will be published as a paper at the February 2016 issue of the WPA journal [*World Psychiatry*](#).
- Following a WRI ECR grant, Dr Emily Henderson published the following work, which has had 85 reads in researchgate since April 2015. Using qualitative methodology from the social sciences, I synthesised primary care practitioner and patient views about obesity management into a novel qualitative model of empowerment/disempowerment to inform primary care practice and policy. The *British Journal of General Practice* is a publication of the Royal College of General Practitioners and is read globally by primary care practitioners (Impact Factor 2.256). Henderson, EJ (2015) Roles and responsibilities in addressing obesity in primary care: A qualitative synthesis. *British Journal of General Practice* 65:e240-7.

Reports from Centres and Units

The Wolfson Research Institute for Health and Wellbeing contains a number of affiliated Research Units and Centres. Their activities over the past 12 months are highlighted in this section.

Centre in Health and Inequalities Research (CHIR)

Durham University's Centre for Health and Inequalities Research (CHIR) was launched in February 2015. We are an internationally leading, interdisciplinary centre for the study of health, socioeconomic, spatial, gender and other inequalities. Through research and consultancy, we apply socio-spatial analysis to critically address contemporary research and policy questions across three work streams:

Dimensions of Health and Inequality - theoretical and empirical analysis of socio-economic, political and environmental determinants of health and inequalities

Place-based Responses to Health and Inequality - evaluating interventions to reduce inequalities and/or improve health at the local, national and international scales

Visualising Health and Inequality - geographical visualisation, analysis and methodological development around inequalities (incorporating [Nomis](#) the National Labour Market Statistics Service)

CHIR is led by Durham's [Department of Geography](#) in partnership with the [School of Medicine, Pharmacy and Health](#), [School of Applied Social Sciences](#), [Institute for Hazard Risk and Resilience](#) and the [Wolfson Research Institute for Health and Wellbeing](#). CHIR is a member of [Fuse \(Centre for Translational Research in Public Health\)](#) and the [National Institute for Health Research School for Public Health Research](#).

Key Projects 2015

Local Health Inequalities in an Age of Austerity: the Stockton on Tees Study

This study examines localised patterns of health inequality in an age of austerity. It is



The Leverhulme Trust

providing a contemporary and innovative, theoretically informed, comprehensive, interdisciplinary, mixed methods intensive case study of the aetiology and experience of health inequalities in England at a local level. It is also examining whether these health inequalities and their determinants change during the current period of economic downturn and an age of austerity.

Health Inequalities in European Welfare States (HiNEWS)

The existence of social inequalities in health is well established. The welfare state (social policy, healthcare, public health policy) can play an important role in mediating the effects of the social determinants of health; however, comparative studies have shown that health inequalities are actually



amongst the largest in generous and inclusive welfare states. This project will focus on the following question: *why do social inequalities in health persist in European welfare states and what can be done to reduce them?*

Community Pharmacy Interventions for Public Health Priorities



Obesity, smoking and excessive alcohol intake are three of the most significant modifiable risk factors for morbidity and mortality in the UK. This systematic review examines how community pharmacies can help reduce these risk factors. It examines the effectiveness of community pharmacy-delivered interventions for alcohol reduction, smoking cessation and weight management. It also explores if and how, age, ethnicity, gender and socioeconomic status moderate effectiveness.

Northumberland Exercise on Referral Scheme Evaluation



Exercise on referral schemes are one of the most widespread physical activity interventions in the UK, however there is uncertainty about long-term adherence and economic viability. One element of this evaluation is a vocational PhD undertaken at Durham, comprising a substantive mixed methods programme and over 9000 GP referral cases across

Northumberland. Examination of 'what works, for whom and in what circumstances' has resulted in changes to scheme delivery, ultimately improving retention and health outcomes.

UK Parliament Constituency Explorer

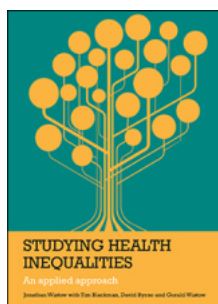
This was a joint project between Durham University and the House of Commons Library. It visualises Nomis labour market and Census health and socio-demographic data alongside 2010 and 2015 election results for each of the UK parliamentary constituencies. Users can compare characteristics of constituency and regions with each other, and against UK averages.



Key Research Publications 2015

Studying Health Inequalities: An Applied Approach

Jonathan Wistow, with Tim Blackman, Dave Byrne, and Gerry Wistow; (2015) Policy Press



New public health governance arrangements under the coalition government have wide reaching implications for the delivery of health inequality interventions. Through the framework of understanding health inequalities as a 'wicked problem' the book develops an applied approach to researching, understanding and addressing these by drawing on complexity theory. Case studies illuminate the text, illustrating and discussing the issues in real life terms and enabling public health, health promotion and health

policy students at postgraduate level to fully understand and address the

complexities of health inequalities. The book is a valuable resource on current UK public health practice for academics, researchers and public health practitioners. -

See more at:

<http://www.policypress.co.uk/display.asp?K=9781447305279&#sthash.WdOauKIV.dpuf>

Neoliberal Epidemics: How Politics makes Us Sick

Ted Schrecker and Clare Bamba; (2015) Palgrave Macmillan



Since the early 1980s, neoliberalism or 'market fundamentalism' has dominated politics and economics across the globe. In this important book, Ted Schrecker and Clare Bamba consider the effects of over three decades of these policies with particular reference to the US and the UK. They focus on obesity, insecurity, austerity, and inequality, arguing that each represents a 'neoliberal epidemic' - neoliberal because they are implicated in the rise of neoliberal politics; and epidemics because they have been rapidly transmitted across international populations at a rate seen in epidemics of biological contagions. Crucially, the authors argue that neoliberal epidemics require a political cure in the form of a revitalised and social democratic welfare state.

Access all areas? An area-level analysis of accessibility to general practice and community pharmacy services in England by urbanity and social deprivation

Adam Todd, Alison Copeland, Andy Husband, Adetayo Kasim, Clare Bamba; BMJ Open 2015 (5:e007328)



This study examined what percentage of the population in England have access to a GP within a 20 minute walk (the accessibility) and how this varied by urbanity and social deprivation. It also compared GP premises accessibility to that of community pharmacy accessibility. Overall, 84.8% of the population is estimated to live within 20 minutes walk of a GP premises: 81.2% in the most affluent areas, 98.2% in the most deprived areas, 94.2% in urban and 19.4% in rural areas - evidence of a *positive primary care law*. However, more people live within 20 minutes walk of a community pharmacy compared to a GP premises and this potentially has implications for the commissioning of future services from these healthcare providers in England.

Food for thought: an ethnographic study of negotiating ill health and food insecurity in a UK foodbank

Kayleigh Garthwaite, Peter Collins and Clare Bamba; Social Science and Medicine 2015, 132: 38e44



Through an ethnographic study, this paper is the first to explore the health and health perceptions of foodbank users via a case study of Stockton-on-Tees in the North East of England, UK during a period of welfare reform and austerity. Foodbank users were almost exclusively of working age, both men and women, with and without dependent children. All were on very low incomes - from

welfare benefits or insecure, poorly paid employment. Many had pre-existing health problems which were exacerbated by their poverty and food insecurity. The latter meant although foodbank users were well aware of the importance and constitution of a healthy diet, they were usually unable to achieve this for financial reasons – constantly having to negotiate their food insecurity. More typically they had to access poor quality, readily available, filling, processed foods. Foodbank users are facing the everyday reality of health inequalities at a time of ongoing austerity in the UK.

Key Engagement Activities 2015

- February: Launch of ESRC Research Seminars Series - Revitalising the Health Equity Agenda
- March: BBC Radio Tees broadcast from Wolfson on *Health in Austerity* project
- April: Launch of the *UK Parliament Constituency Explorer* in House of Commons
- May: Football health league, widespread coverage in national and international media
- June: ESRC Research Seminars Series - Worklessness and Health Inequalities: Research, policy and practice perspectives
- September: Book launch of *Studying Health Inequalities: An Applied Approach* with colleagues from the NHS and local authorities
- October: Book launch of *Neoliberal Epidemics: How Politics makes Us Sick* with local MEP
- November: Fuse event on Housing and Health with National Housing Federation
- December: ESRC Research Seminars Series - Health inequalities and the texture of everyday life: insights from Scotland and the North of England

Impact Activities 2015

- Oral and written evidence given to Scottish Parliament Inquiry on work and health
- Oral and written evidence given to House of Commons DWP select committee on benefit sanctions
- Oral and written evidence given to Durham County Council regarding Healthy Living Pharmacy Framework
- Written evidence given to NHS North East Commissioning Support (NECS) to inform marketing strategy for community pharmacy
- Produced a supplement in the *New Statesman* focusing on community pharmacy and health inequalities
- Participation in DWP roundtable on the impact on employment outcomes of drug or alcohol addiction, and obesity
- Membership of Redcar and Cleveland working group on health inequalities
- Membership of Stockton Borough Council working group on the health gap
- Vocational MA studentship with Durham County Council
- Oral and written evidence given to Public Health England, Extreme Events and Health Protection team on implementation and interpretation of national advice and guidance in local public health systems

Our Wolfson Research Institute funding in 2014-15 enabled the Centre for Medical Humanities to establish a programme of Affiliates' Lunches. These took place on five occasions throughout the academic year with the aim of bringing together members of our 100-strong Affiliates group to discuss common themes and plan collaborative work. The themes of the lunches were:

- **16th Oct 2014** '*War, Post-traumatic Stress Disorder and the Arts*', presented by Professor Barbara Graziosi (Classics and Ancient History) and Dr Patrick Gray (English Studies)
- **4th Dec 2014** '*Human - Non-Human Interactions*', presented by Professor David Herman (English Studies) and Dr Andrew Russell (Anthropology)
- **29th Jan 2015** '*Ritual Innovation: Thank you for Donated Organs*', presented by Professor Douglas Davies (Theology and Religion) and Professor Bob Simpson (Anthropology)
- **12th March 2015** '*Resources for Living: visualising experiences of food and eating for Survivors of head and neck cancer*', by Dr Duika Burges Watson (Centre for Public Policy and Health) and Dr Susan Lewis (Geography)
- **23rd April 2015** '*Bodily Dis-Ease in Contemporary French Women's Writing*', presented by Professor Lucille Cairns (Modern Languages and Cultures) and '*Drawing Women's Cancer*', by Dr Jac Saorsa (Artist)

We are very grateful to WRI for this funding which has been continued through a WRI small grant in 2015-16.

Key Event

With WRI support, in June 2015, CMH and the Centre for Visual Arts and Culture organised an all-day joint workshop, 'Visual Culture in Medical Humanities'. This workshop was designed to explore the intricate connections between these two dynamic fields and the ways in which fruitful collaborations could be set up between them. With a varied panel of both internal and external speakers, we invited



participants to consider the question of what kinds of research projects we might be able to nurture by paying attention to visual culture in medical humanities.

Drawing by Julia Midgeley of participants in the workshop

Other CMH activities in 2014-15 externally funded
CMH had a very successful year in 2014-15 in relation to early career development. We were successful in applying for an AHRC Collaborative Skills Development Award of £60,000 and a Wellcome Trust Small Grant of £10,000 to support a year-long programme of workshops at different locations in the UK and Ireland for 14 early career researchers in medical humanities.

We continue to support the next generation of medical humanities researchers through the CMH-Wolfson Postgraduate and Early Career Researcher network.

Early Career Researcher cohort participating in the last Showcase Workshop at Durham University.



Editorship of *Medical Humanities* – June 2015

CMH staff Felicity Callard, Will Viney and Angela Woods were invited to guest edit a special issue of the journal *Medical Humanities* in June 2015 on the theme of ‘Critical Medical Humanities’. A publicity campaign masterminded by the editorial team led to significant publicity for the articles in this issue, which included an interview on Radio 4’s Today Programme. As a result, articles in this issue, including the editorial and Lynne Friedli and Robert Stearn’s article on Workfare, have been downloaded more than 28,000 times in the six months since June 2015.

Centre for Public Policy and Health

Highlights over the Year

Research

- Emily Henderson (PI): A Delphi exercise on the ethics of implementing a limited consent procedure for HIV screening. Funded by South Tess NHS Foundation Hospitals Trust.
- Emily Henderson received funding from the Wolfson Research Institute to set up a Special Interest Group on stress, health and wellbeing.
- David Hunter (PI) with Linda Marks (CI) and partners from the Institute for Health and Society, Newcastle University; SchARR, Sheffield University; and CHES, University of Kent: Shifting the Gravity of Spending? A one year follow on study. Funded by NIHR School for Public Health Research (<https://www.dur.ac.uk/public.health/projects/shiftingthegravity>).
- David Hunter with Linda Marks and Shelina Visram have begun an interim review of the *European Action Plan for Strengthening Public Health Capacities and Services* funded by WHO Regional Office for Europe. The Plan is at the half-way mark and through surveys and interviews the review will assess how valuable the Plan has been, how much progress Member States have made in implementing it since 2012, and what their plans are going forward to 2020. CPPH is leading the review with partners including the University of Valencia, Spain. The findings will be presented at the Regional Committee of Member States in Copenhagen in September 2016.
- Ted Schrecker continues to serve as co-editor of the *Journal of Public Health*, and is associate editor (globalisation and health) of the *Journal of Bioethical Inquiry*.
- Shelina Visram (PI) with Clare Bambra, Sue Lewis (CIs, Geography) and Andrew Russell (CI, Anthropology): Evaluation of the County Durham Wellbeing for Life Service. Funded by Durham County Council.

Selected Publications

- E Henderson (2015) Obesity in primary care: A qualitative synthesis of patient and practitioner perspectives on roles and responsibilities, *British Journal of General Practice* 65(633): e240-e247.

- EJ Henderson, L Ells, G Rubin, DJ Hunter (2015) Systematic review of the use of data from national childhood obesity surveillance programmes in primary care: a conceptual synthesis, *Obesity Reviews* 2015 Nov;16(11):962-71.
- DJ Hunter (2015) Does health services research improve health services?. *Health Economics, Policy and Law* 10(03): 317-325.
- DJ Hunter, J Erskine et al (2015) Doing transformational change in the English NHS in the context of “big bang” reorganisation. *Journal of Health Organization and Management* 29(1): 10 - 24.
- DJ Hunter (2015) Health Policy and Management: in praise of political science Comment on “On Health Policy and Management (HPAM): mind the theory-policy-practice gap”. *International Journal of Health Policy and Management* 4(6): 391-394.
- DJ Hunter (2015) Role of politics in understanding complex, messy health systems: an essay. *British Medical Journal* 350; h1214.
- DJ Hunter and L Marks (2015) Health inequalities in England’s changing public health system. In: KE Smith, C Bambra and SE Hill (eds) *Health Inequalities: Critical Perspectives*. Oxford: Oxford University Press.
- L Marks, DJ Hunter, S Scalabrini, et al (2015) The return of public health to local government in England: changing the parameters of the public health prioritization debate? *Public Health*, 129:1194-1203.
- T Schrecker and C Bambra (2015) *How Politics Makes Us Sick: Neoliberal Epidemics*, Houndmills: Palgrave Macmillan.
- T Schrecker (2015) Bringing (domestic) politics back in: Global and local influences on health equity, *Public Health* 129: 843-848.
- T Schrecker (2015) Global reach, local depth, and new geographies of metropolitan health. In: I Luginah and R Bezner-Kerr (eds) *The Geographies of Health and Development*, Farnham: Ashgate.
- S Glasgow and T Schrecker (2015) The double burden of neoliberalism? Noncommunicable disease policies and the global political economy of risk, *Health and Place* 34: 279-86.
- S Visram, SM Carr and L Geddes (2015) Can lay health trainers increase uptake of NHS health checks in hard-to-reach populations? A mixed-method pilot evaluation. *Journal of Public Health*, 37(2): 226-233.

Engagement and Impact, Appointments and Awards

- The Impact Case study produced by David Hunter and Linda Marks, and submitted to the REF2014, was selected by the Medical Schools Council for inclusion in its publication, *Health of the Nation: The impact of UK medical schools’ research* (<http://www.medschools.ac.uk/SiteCollectionDocuments/MS-Health-of-the-Nation.pdf>), which reports the very best medical research happening across the UK and its impact. The case study centred on the European Action Plan for Strengthening Public Health Capacities and Services which David and Linda helped develop for WHO Regional Office for Europe. The Plan was endorsed by all 53 Member States in 2012 and is viewed as a main pillar of implementation of WHO’s health strategy, Health 2020.
- Jonathan Erskine has continued to lead the European health Property Network (www.euhpn.eu) speaking at conferences on integrated health and social care in Finland, and the development of standards and guidelines for healthcare buildings in Norway. He participated in a workshop on implementing transformational change in European health systems co-led by David Hunter and Rafael Bengoa from the University of Deusto, Spain, under the auspices of WHO Regional Office for Europe.

- Jonathan Erskine was appointed a non-executive director of the board of North Tees and Hartlepool NHS Foundation Trust where he services on the audit and transformation committees.
- Ted Schrecker is a member of the Independent Panel on Global Governance for Health. The Panel held its second meeting in June 2015 at Hatfield College, Durham University (<http://www.uio.no/english/research/interfaculty-research-areas/globalgov/globalgov-for-health>).
- Shelina Visram and Michele Castelli were awarded competitive Young Forum Gastein scholarships and took part in the European Health Policy Forum at Gastein in October. The scholarships offer promising young professionals a unique opportunity to learn about current health policy developments in Europe and to network with a number of high level experts in the field of health.
- David Hunter became a member of the People in UK Public Health Group, an advisory providing independent expert advice to the 4 UK health departments on an overarching strategy for the public health workforce in the 21st century. The Group has been set up under the auspices of the Royal Society for Public Health.
- David Hunter was appointed specialist advisor to the House of Commons Health Committee on its inquiry into public health in England in the aftermath of the Health and Social Care Act 2012.
- CPPH has been accredited by WHO as a training centre for Health in All Policies (HiAP). The Centre is the only such training centre in the UK. Following a training event in Geneva in March when the WHO HiAP Training Manual was published, CPPH colleagues (Emily Henderson, Catherine Hannaway and David Hunter) have been engaged in several training events both in Europe and in the Caribbean. These events have been targeted on senior and middle-level policy-makers and practitioners at national and local levels.

David Hunter chaired the 4th Extended Advisory Group on the European Action Plan for Strengthening Public Health Capacities and Services (EAP-PHS) on 8 July. It took



place at WHO Europe at UN City in Copenhagen. The meeting discussed plans for the interim review of the EAP-PHS which Member States have requested for the Regional Committee in 2016. CPPH in its capacity as a [WHO Collaborating Centre](#) will lead on this review. The meeting was followed by the launch of a new report, The Case for Investing in Public Health.

CPPH delivers the world first Health in All Policies (HiAP) Workshop for Caribbean Government ministers in Paramaribo, Suriname. Two CPPH members of staff – Emily Henderson and Catherine Hannaway – were commissioned by WHO PAHO to deliver a two day Health in All Policies training programme in the Caribbean, 5-6 May 2015.

WHO Health in All Policies Trainers' Meeting in Geneva. Dr Paula Franklin represented CPPH in the first WHO Health in All Policies trainers' meeting held in Geneva on 24-26 March 2015. The event brought together 36 participants, representing 23 institutions from all six WHO regions. The aim was to evaluate the new WHO Health in All Policies (HiAP) training manual published in March 2015 and understand how it can best be used in different contexts. For further information about CPPH activities visit our website: www.dur.ac.uk/public.health

The Research Design Service North East (RDS NE)

(co-Director, Dr Helen Hancock)

The RDS provides advice to investigators who are preparing applications for national peer-reviewed funding (to NIHR, AMRC, MRC and other national funding bodies) for applied health and social care research. The team at Durham are part of the RDS North East – one of ten regionally based RDS', which together form a national Research Design Service <http://www.rds.nihr.ac.uk/>. RDS NE advisors are based at Durham and Newcastle Universities; South Tees Hospitals NHS Foundation Trust hosts our Public Involvement lead.

Members of the RDS NE team have independent research track-records of gaining national peer-reviewed funding, and the knowledge and expertise to advise on a wide range of research-related issues, including all aspects of research design and methodology. The team also advises on issues such as public involvement, identifying resources, and dissemination plans. We have a wide range of other contacts in academic and clinical disciplines (including statistics, health economics and health psychology) to facilitate additional advice where required.

In the last financial year, the RDS NE supported 211 new projects; a record number of applications were submitted - 43 outline and 79 full applications. We also recorded an increase in the number of successful full applications; the success rate for these submissions was 26% with a substantial increase in the number of applications funded by the highly competitive HTA and NIHR Training Programmes.

Advice is confidential and free of charge. We operate an integrated regional service. To make an appointment, email: rds.ne@nihr.ac.uk or phone (0191) 334 0826.

Durham Clinical Trials Unit

Co-Directors: Dr Helen Hancock and Rebecca Maier

DCTU is a specialist research group focused on excellence in the development and delivery of applied health clinical trials and clinical studies to improve outcomes for patients, the public and the NHS. DCTU provides academic leadership, operational expertise and the management infrastructure to enable clinical trials and studies to be conducted appropriately. Working closely with staff from Universities, NHS Trusts, and Industry, DCTU supports the design, development and delivery of nationally funded trials and clinical studies.

Rebecca and Helen were recently appointed as co-Directors, taking overall responsibility for the development and success of Durham Clinical Trials Unit. They are responsible for ensuring that the Unit provides the infrastructure to support the evolving needs of the University, NHS, DH, and Funders in terms of trial design and delivery. Rebecca and Helen are responsible for the academic, financial, administrative and business management of the Unit in pursuit of excellence. DCTU currently supports NIHR-funded randomised controlled trials in cardiac surgery, orthopaedics, and gastroenterology as part of an expanding portfolio. A recent addition to the portfolio is a £1.5 million NIHR HTA trial in cardiac surgery that will begin recruiting in summer 2016.

Centre for the History of Medicine and Disease

The CHMD continued to provide a focus for cutting-edge, interdisciplinary and interdepartmental research and postgraduate education in the history of medicine, health, disease and medical ethics. Activities in 2015 centred on new and recently established international and national collaborations, including the Centre for History of Medicine of the University of Glasgow, the Cultural History group of the KU Leuven/Belgium, and the Institute of Bioethics of the Javeriana University, Bogota/Colombia. The current key research areas of the CHMD – history of medical ethics, history of sexuality and the body, and history of modern science – were pursued with REF-eligible outputs. Inclusion of a new core member (Sare Aricanli, History Department) from September 2015 has for the first time extended the centre's expertise to traditional Chinese medicine.

Visiting researchers and seminar presenters in the CHMD were Prof. Eduardo Diaz Amado (Javeriana University) in June 2015 (supported by a Santander Mobility Grant) as part of a comparative project on nineteenth-century medical ethics in Colombia and Britain; and Tinne Claes (KU Leuven) from October to December 2015, working on her PhD project on the ethics of Belgian anatomy around 1900. A workshop for postgraduate students in History and Philosophy of Science and Medicine was held in June 2015. Jointly with Dr Angus Ferguson (University of Glasgow), Prof. Maehle published a special issue of the *Journal of Medical Law and Ethics* on medical confidentiality and privacy, including contributions from experts in law, professional regulation (General Medical Council), medical education, health research, and the history of medicine and health.

Selected Publications

Maehle, A H, 'Preserving Confidentiality or Obstructing Justice? Historical Perspectives on a Medical Privilege in Court', *Journal of Medical Law and Ethics* 3 (2015), pp. 91-108.

McClive, C, *Menstruation and Procreation in Early Modern France* (Ashgate, 2015).

Sauerteig, L, 'From the fear of conception to the management of sex: birth control in West German sex education material, c. 1945-1980', in: L. Niethammer & S. Satjukow (eds), *'Wenn die Chemie stimmt': Geschlechterbeziehungen und Geburtenkontrolle im Zeitalter der 'Pille'* (Göttingen: Wallstein, 2015), pp. 177-207 (in press).

Winkler, A, 'Debating Sex: Education Films and Sexual Morality for the Young in Post-war Germany, 1945-55', *Gesnerus* 72 (2015), pp. 77-93.

Eddy, M D, 'Useful Pictures: Joseph Black and the Graphic Culture of Experimentation', in: R G W Anderson (ed.), *Cradle of Chemistry: The Early Years of Chemistry at the University of Edinburgh* (Edinburgh: John Donald Publishers, 2015), pp. 99-118.

Lancaster, C, 'The Acid Test for Biological Sciences: STAP Cells, Replication, and Trust', *Science and Engineering Ethics*, 2015,
<http://link.springer.com/article/10.1007%2Fs11948-015-9628-2>

Durham CELLS (Centre for Ethics and Law in the Life Sciences)

Durham CELLS is University Research Centre with membership spanning DLS, DU and external organisations.

In the academic year 2014-2015, Durham CELLS had 29 full members (based in and beyond the Law School) and 8 associate members (PGR students). During the year, Durham CELLS hosted a wide variety of research events, including the prestigious two day Society of Legal Scholars Annual Seminar 2015, a multidisciplinary symposium on child mental health and a number of research seminars. The Durham CELLS PGR conference and joint 'work in progress' event with GLAD gave PGR students opportunities to present and discuss their work. The optional level 3 module Law and Medicine did not run this year, but Durham CELLS engaged with UG students in a dissertation presentation event. Durham CELLS also successfully launched a Wellcome Trust funded Engagement Project in 2014 called 'Human Cloning and Stem Cell Research Through the Medium of Law'.

The centre's involvement in a Horizon2020 Focused Action in Research to Internationally Address Ethics Dumping (TOTAL: €1,994,513; Durham: €249,999, PI Utrecht University, Co-Is: Beyleveld, Cave) submitted in October 2014 was sadly unsuccessful, as were applications by Beyleveld and Cave as Co-Is to the Swedish Research Council (with Uppsala as PI) (€80,500 to Durham), and Adcock as Co-I under Horizon 2020 on Climate Change (with Durham Energy Institute as PI) (€242,636.25 to Durham Law School). However Durham CELLS PI Goldberg and Co-I Pattinson enjoyed a notable success in securing funding for the SLS Seminar 2015. It attracted leaders in the field of medicinal products liability from across the world. An application to the Brocher Foundation for a Conference in Geneva made by Beyleveld and Gispen (Utrecht) on Access to Controlled Medicines was successful (the Brocher Foundation funded the project).

More modest successes in securing funding include a Wolfson RI grant to run a multidisciplinary symposium in March 2015 and Erasmus+ mobility grants for two members of Durham CELLS to cement links with other Matariki Universities in a Summer School in Tübingen in July 2015. These links were influential in a Horizon2020 application and are central to a pending application before the Swedish Foundation for Humanities and Social Sciences in which two Durham CELLS members are Co-Is.

Leadership and Governance

Directorship: Deryck Beyleveld and Benedict Douglas

Deputy Convenors (and organisers of annual PGR Conference): Clayton Ó Néill and Sadaf Shariat.

The annual meeting was held on Tuesday 28 October. The agenda and minutes are available via the DurhamCELLS website.

Record of Activities

| Type | Details | Funding |
|----------|--|---------------|
| Seminars | | |
| | Wednesday 21 January 2015 1:00pm to 2:00pm, Palatine 053, Dr Kimberly | Centre budget |

| | | |
|---|--|---|
| | Jamie, School of Applied Social Sciences | |
| | Wednesday 25 February 2015 Seminar 1:30pm to 2:30pm, PCL053, Professor Nathalie Barbosa de la Cadena. Department of Philosophy, Federal University of Juiz de Fora, Brazil. | Centre budget |
| Conferences and workshops | Thursday 19 March 2015 Symposium: Young People and Mental Disorder: Is the Law Fit for Purpose? 9:30am to 4:30pm, Birley Room, Hatfield college, Durham University, North Bailey Briefing Paper: https://www.dur.ac.uk/resources/law/research/ECMH_briefingdocument.pdf | Co-funded by DurhamCELLS and Wolfson RI blue skies award (£760) |
| | 25 – 26 March 2015 SLS Seminar 2015 Incentivising Innovation and Higher Standards in Regulation and Liability Relating to Medicines Hogan Lovells Lecture Theatre, Durham Law School. https://www.dur.ac.uk/cells/sls/ | Society of Legal Scholars, 25-26 March 2015 £9,417. PI: Goldberg Col: Pattinson |
| | Thursday 15 – Friday 16 October . Conference on Ethical Rationalism in the Law. University College, Durham | Co-funded by Centre Budget and Bristol Law School |
| | Thurs 8 –Fri 9 October. Conference on Access to Controlled Medicines. Brocher Foundation, Geneva | Funded by Brocher. No money to Durham. PIs Beyleveld , and Gispén (Utrecht) |
| Capacity—building | 28 October 2015, Durham CELLS Annual meeting 2:00pm to 3:00pm, PCL 216 | Centre budget |
| Funded research projects | Human Cloning and Stem Cell Research Through the Medium of Law. 1/2/14 for 30 mths. An interdisciplinary project to engage 16-18 year old students in learning about two exciting areas of biomedical science Core members • PI: Pattinson (law) • Co-Is: Kind (Education) Douglas (Law) Additional members • Howell (science education consultant) • Herbert (expert on cloning and mitochondrial DNA) • Figueiredo (expert on stem cell research) https://www.dur.ac.uk/cells/engagement/ | Wellcome Trust People's Award, 2014-2016 £29,961. PI: Pattinson Cols: Douglas & Kind |
| Successful Funding applications (internal and external) | TITLE: Young People with Mental Disorder: Towards a Law Fit for Purpose FUNDER: Wolfson RI small grant (blue skies) 7 November 2014 PI: Cave Co-I: Bartlett, Consultant Psychiatrist, Esk and | Wolfson RI (internal funding award) 7 Nov 2015 £600 (successful) |

| | | |
|----------------------------|---|---|
| | Wear Valleys NHS Foundation Trust; Tiffin, Clinical Senior Lecturer in the Psychiatry of Adolescence School of Medicine, Pharmacy and Health. | |
| | Erasmus+ Mobility Award For Cave and Adcock to participate in a Matariki University Summer School, Tubingen, 7-12 July 2015. | Erasmus+ Mobility Award March 2015 Amount TBC |
| | Beyleveld was awarded funding from Durham University's Global Engagement Fund, resulting in 4 Horizon 2020 applications with Durham University involvement: Oct 2014: Unsuccessful: FAIRNESS: (Focused Action in Research to Internationally Address Ethics Dumping) PI Utrecht University, Co-Is: Beyleveld, Cave) January 2015: Pending: 'Socializing Transitional Justice: addressing Socio-Economic harms and Structural Violence in Post-Conflict Societies' to the European Open Research Area fund. PI McGonigal Leyh from the Faculty of Law, University of Utrecht, Durham Co-Is Doak (law), with Pillay and Turner (law) and SGIA also involved. May 2015: Pending: DECIDE (Decision Support for Integrated Ethical Transformation Paths Towards a Sustainable Energy System). The PI Abram, Co-Director of Durham Energy Institute. Durham Co-I's Adcock(Law) and Parker (Philosophy). To be submitted: PI Utrecht, Durham Co-I Hernandez. | Durham University's Global Engagement Fund. 2014. |
| | Beyleveld and Gispén (Utrecht) were awarded funding for travel and accommodation expenses for co-hosted (Durham and Utrecht) international seminar in Geneva on 8-9 October 2015. The topic is 'Equitable Access to Controlled Medicine: Between Control and Human Rights in Post-Market Access in Low and Middle-Income Countries'. | Brocher Foundation in Switzerland (2014) |
| Confirmed Visiting Scholar | Prof Li Jianjun: deputy director of Department of Science, Technology and Governance Institution / organisation: China Agricultural University Sponsor, Beyleveld | 12 Dec 2015 to 30 May 2016 |
| UG support activities | Wednesday 4 February 2015 Undergraduate Medical Law and Ethics Research Presentation 12:00pm to 4:00pm, PCL054 | Centre budget |
| PGR activities | Wednesday 23 February 2015, Durham CELLS and Durham GLAD PGR Work in Progress event | Centre budget |
| | Friday 8 May 2015, Durham CELLS Postgraduate Conference 12:00pm to 6:00pm, Kenworthy Hall, St Mary's College | Centre budget |

Publications

Books

- **Brooks, Thom** (2016). *Becoming British: UK Citizenship Examined*. Biteback.
- **Schrecker, T. & Bambra, C.** (2015). [How politics makes us sick: Neoliberal epidemics](#). Palgrave Macmillan.

Book Chapters

- **Beyleveld, Deryck** (2016). 'Gewirth vs Kant on Kant's Maxims of Reason: Towards a Gewirthian Philosophical Anthropology.' In Per Bauhn (ed): *Gewirthian Perspectives on Human Rights*. Routledge,
- **Pattinson, Shaun D.** (2015). Contemporaneous and Advance Requests: The Fight for Rights at the End of Life. In *Landmark Cases in Medical Law*. Herring, Jonathan & Wall, Jesse Oxford: Hart Publishing. 255-269.
- **Kind, V.** (2015). On the beauty of knowing then not knowing: Pinning down the elusive qualities of PCK. In *Re-examining Pedagogical Content Knowledge in Science Education*. Berry, A., Friedrichsen, P. & Loughran, J. Routledge. 178-196.
- **Cave, Emma & Stanton, Catherine** (2015). Maternal responsibility to the child not yet born. In *Pioneering Healthcare Law: Essays in Honour of Margaret Brazier*. Stanton C, Devaney S, Farrell A-M & Mullock A Routledge. 280-292.

Journal Papers

- **Schrecker, Ted** (2016). [Globalization, austerity and health equity politics: taming the inequality machine, and why it matters](#). *Critical Public Health* 26(1): 4-13.
- **Brooks, Thom** (2016). Vote Buying and Tax Cut Promises. *Theoria* forthcoming.
- **Brooks, Thom** (2015). [What is the Impact of Political Theory?](#). *Political Studies Review* 13(4): 500-505.
- **Brooks, Thom** (2015). [Punitive Restoration: Rehabilitating Restorative Justice](#). *Raisons Politiques* 59(3): 73-89.
- **Glasgow, Sara & Schrecker, Ted** (2015). [The double burden of neoliberalism? Noncommunicable disease policies and the global political economy of risk](#). *Health & Place* 34: 279-286.
- **Schrecker, Ted** (2015). [Bringing \(domestic\) politics back in: global and local influences on health equity](#). *Public Health* 127(7): 843-848.
- **Beyleveld, Deryck & Ziche, Paul** (2015). [Towards a Kantian Phenomenology of Hope](#). *Ethical Theory and Moral Practice* 18(5):927-942
- **Cave, Emma** (2015). [Disclosure of Confidential Information to Protect the Patient: The Role of Legal Capacity in the Evolution of Professional Guidance](#). *Journal of Medical Law and Ethics* 2015(1-2): 7-23.
- **Maehle, Andreas-Holger** (2015). [Preserving Confidentiality or Obstructing Justice? Historical Perspectives on a Medical Privilege in Court](#). *Journal of Medical Law and Ethics* 3(1-2): 91-108.
- **Simpson, R.** (2015). [Ref 2014 and Impact: Reading the Runes for Anthropology in Action](#). *Anthropology in Action* 22(2): 1-4.
- **Brooks, Thom** (2015). [Alcohol and Controlling Risks through Nudges](#). *The New Bioethics* 21(1): 46-55.
- **Douglas, Benedict** (2015). [Undignified Rights: The Importance of a basis in Dignity for the Possession of Human Rights in the United Kingdom](#). *Public Law* 2015(2): 241-257.

- **Brooks, Thom** (2015). [Involuntary Intoxication: A New Six-Step Procedure](#). *The Journal of Criminal Law* **79**(2): 138-146.
- **Pattinson, Shaun D.** (2015). [The Human Rights Act and the Doctrine of Precedent](#). *Legal Studies* **35**(1): 142-164.
- **Braun, T., Bamba, C.L., Booth, M., Kasim, A. & Milne, E.** (2015). [Better health at work? An evaluation of the effects and cost benefits of a structured workplace health improvement programme in reducing sickness absence](#). *Journal of Public Health* **37**(1): 138-142.
- **Evans, H. M.** (2015). [Wonder and the patient](#). *Journal of Medical Humanities* **36**(1): 47-58

Cognitive Neuroscience Research Unit

The CNRU has continued to develop its work relating to understanding the neural basis of behaviours and looking for pathways for translation into neurorehabilitation. Our approach allows us to provide value added interventions as the scientific basis of their efficacy is well understood maximising both generalisation and accurate targeting of responsive patient cohorts. Current experiments relate to visual behaviours, addiction, depression, pain and hallucinations amongst others using an inter-disciplinary approach with a variety of techniques from behavioural, through activity recording and imaging to electrical and magnetic stimulation. This year, CNRU members central to our intervention for visual loss following brain damage won the prestigious William Inman Prize from the British Psychological Society which is awarded every five years for outstanding work relating to psychological factors on physical conditions. Having developed an app to train patients to compensate for their vision loss (DREX www.dur.ac.uk/DREX) we have rolled it out nationally and secured further funding from the Dunhill Medical Trust (£69K) to inform facilitators and barriers to its uptake in older people. Our aim is to provide an evidence base leading to adoption by health professionals both nationally and internationally. Our work concerning the use of neural signalling in prosthesis and paralysis continues with fruitful trilateral collaborations between industry, the NHS and our EEG laboratories. We have also been awarded a grant from the ESRC (Open Research Area call; €1.1M with £450K coming to Durham) with our partners in Amsterdam and Munich for work on attention and the motor system.

Nine papers have been published in high impact journals in the past year. We have held two workshops (Progressive Supranuclear Palsy and an EPS meeting on eye movements) Members have given invited talks and presented their work at international conferences for quick dissemination. The CNRU currently supervises 5 PhD students.

Top 3 papers (CNRU members)

Lane, A.R., Ball, K.B., & Ellison, A. (2015) Dissociating the neural mechanisms of distance and spatial reference frames. *Neuropsychologia*, 74, 42-49.

Connolly, J.D. et al. (2015) Gaze-dependent topography in human posterior parietal cortex. *Cerebral Cortex* 25(6): 1519-1526

HC Knight, DT Smith, DC Knight, A Ellison (2015) [Altering attentional control settings causes persistent biases of visual attention](#). *The Quarterly Journal of Experimental Psychology*, 1-46

Centre for Medical Education Research

In 2015, Professor Jan Illing and her team: Mrs Charlotte Rothwell, Dr Paul Crampton, Dr Sally Corbett and Dr Madeline Carter moved to Newcastle University and the Co-Director Dr Paul Tiffin stepped down from this role after announcing he obtained an NIHR Career Development Fellowship and will depart to take up this post at the end of the year. Dr Marina Sawdon, an Associate Director, was invited to become Director. The remaining staff within the Centre for Medical Education Research will continue with part of the strategy outlined in last year's report where expertise allows but will have a major focus on pedagogic research in line with the remaining full time academic staff's strengths as teachers as well as researchers.

The Centre's vision, outlined last year, is to develop research to understand and improve the working of the clinical team in the changing context of healthcare. Our research is informed by a number of perspectives: clinical, patient, social and policy. Our aim is to further develop our national and international standing over the next five years, ensuring that the CMER will produce high quality outputs which generate impact. Specifically, our plan is focused around the following four central themes with these topics feeding into a central theme of *producing effective doctors for promoting patient safety*:

- Explore professionalism across healthcare professions, and contribute to the debate on its definition and assessment
- Provide evidence base for best practice within undergraduate medicine pedagogy
- Community based medical education. This area will encompass the innovative extended GP community placement in difficult and deprived areas project and include investigating issues such as the influences of gender and masculinities, as well as unconscious bias and Athena Swan issues.
- Medical School and Foundation Years admissions and selection

Professionalism

The Health and Care Professions Council (HCPC) commissioned the Centre to explore professionalism in healthcare professionals. Findings from the qualitative component of the study, which investigated perceptions of professionalism and identified professional and unprofessional behaviours, were published in Medical Education in March 2014. The aim of the quantitative component was to develop a measure of professionalism for paramedics. The questionnaire may help to inform the teaching of professionalism among paramedics and we investigated its utility for identifying cases of poor professionalism. The study has developed and validated a 79-item questionnaire to measure professionalism in paramedics and identified a 6-factor structure which defined the broad construct of professionalism. The final quantitative report was submitted on 31st October.

Work is ongoing to explore conscientiousness in undergraduate Pharmacy students within the School; this is a collaborative effort between Pharmacy and Medicine staff and is funded by the WRI Blue Skies fund.

Pedagogic research

Pedagogic research will be a prominent theme within the Centre for Medical Education Research following a change in staff members and thus the expertise of the group. Many Centre members are full-time academics teaching within medical education in areas such as anatomy, physiology, clinical skills, sociology and pharmacology. The aim is to provide an evidence base for best practice for teaching

and learning these areas within medical and pharmacy education. Popular research areas include innovative anatomy pedagogy, knowledge retention, curriculum development, clinical skills, including clinical reasoning, safe prescribing and substance misuse, Interprofessional Education (IPE), Team Based Learning (TBL) and assessment. The previous outputs of the group within this area include papers on anatomical body painting, the use of audience response systems and knowledge retention, simulation and teaching and learning using ultrasound.

Community based medical education.

This theme will aim to explore the effectiveness and impact of community-based placement learning and social and behavioural science input in general within the early medical curriculum. Paul Stronge has had a paper accepted at the upcoming British Sociological Association annual MedSoc conference which addresses this latter topic on a theoretical and macro-social angle. This research will be extended to encompass empirical research related to Durham students' experiences of placements and their capacity to integrate this with other learning. The influence of gender and gendered expectations within the medical student body, insofar these impact on both men and women, and the potential for educators to address and where appropriate challenge these fairly and sensitively but in ways that are also relevant to core learning will also be explored within this theme.

Update on on-going research

Education Outcomes Framework (EOF)

The CMER continued to work (with the team now in Newcastle) on the Education Outcomes Framework project for which we were awarded a three year DH contract (£550,000) last year to develop an evidence base for the linking of education and training to patient benefit. This project examines the whole clinical team (not solely the medical workforce). The findings are expected to inform future clinical education and training. The first phase is almost complete, which consists of a realist synthesis of the literature. An interim report, co-ordinated by John McLachlan was submitted to the Department of Health on 1st July. The second phase, which is identifying case studies linking education to patient outcomes, is also underway. This collaborative piece of work has the potential to create change in both policy and practice.

UK Clinical Aptitude Test (UKCAT)

The UKCAT Board has commissioned a three-year study to explore the validity and psychometric properties of the UKCAT, a selection test for entrance to medical school in the UK. Centre members, in collaboration with colleagues in Education, the Wolfson Research Institute and Hull and York medical school, will use large national datasets to understand and describe the validity of the UKCAT using advanced psychometric and data modelling techniques. This study will also investigate the validity of personality tests, explore the feasibility of 'dynamic testing', and relate findings to the widening participation in medicine agenda. Preliminary findings on the predictive validity of the UKCAT were presented at the International Network for Researchers in Selection into Healthcare (INReSH) in London. In addition, posters on the preliminary findings were presented at AMEE and ASME conferences 2015. The UKCAT has also funded a PhD fellowship aimed at developing further methodology to adjust for the effects of attenuation when estimating the validity of selection tests. The PhD project has progressed well and is nearing the end of its first year. Paul Tiffin was also awarded an £790k Career Development Fellowship from the NIHR to fund a five year programme of research into NHS workforce selection (to commence 1st January 2016).

Assessing the fitness to practise of health and care professionals

We were successful in our NIHR Policy Research Programme entitled: what is the evidence on the costs, outputs, outcomes, benefits and impact of the system designed to assure the continuing fitness to practise of health and care professionals? This work, led by Prof Illing and Dr Tiffin, involves linking CPD data to fitness to practise cases, as well as a systematic review and a cost analysis, to examine the costs and benefits of a regulatory approach to assessment.

Networks and communications

- John McLachlan was invited by the HEA to contribute a report on Innovative Pedagogies to the National Teaching Fellow Programme. In November he was also invited as Panel Member at the General Pharmaceutical Council Conference 'Meeting our healthcare challenges: Educating the future pharmacy team'.
- Colleagues have visited the Centre to work with us including Dr Geoff Wong (from Barts and The London School of Medicine and Dentistry), Dr Cyril Kirwin (Ireland) and Prof Charlotte Rees (Dundee).
- Several members of the CMER made a second visit to Teikyo University in Japan in February 2015, where we contributed to research and teaching research methods.
- Several members of CMER presented at the AMEE conference in Glasgow in August and several others have abstracts accepted for presentation (including a workshop on Conscientiousness Index) at the Ottawa medical education conference in Perth in March 2016. John McLachlan has been invited as a Plenary speaker at ANZACA conference in Adelaide in December 2015.
- In September last year, 2014, Jan Illing and Paul Crampton visited David Hirsh and colleagues at Harvard University to learn about the Cambridge Integrated Clerkship (CIC). Harvard University have published extensively about the theoretical and empirical applications of community based programmes and the concept of 'continuity' which is regarded as the underpinning principle for the success of many similar initiatives across the world. The CIC is a very successful and relevant (urban) medical student programme to help inform the development of the Durham University Difficult and Deprived Areas Programme (DDAP). This project has recently been extended by extra funding from HENE and HEE.

Research Output this year

- **Crampton, P.E.S** (2015) *Medical student learning during longitudinal clinical placements in under-served, deprived, community areas: A qualitative study*. Doctoral thesis, Durham University.
- **Sawdon M.** The Respiratory System. Textbook of Podiatric Medicine. Editors Judith Barbaro-Brown & Catherine Hayes. M&K Publishing (due in print 2015).
- **Sawdon M.** The Cardiovascular System. Textbook of Podiatric Medicine. Editors Judith Barbaro-Brown & Catherine Hayes. M&K Publishing (due in print 2015).
- Welsh, P & **Tiffin, PA** (2015). Adolescent family perceptions in the At-Risk Mental State for psychosis. *Early Intervention in Psychiatry* 9(4): 316–323.
- **Tiffin, P.A.** & Kitchen, C.E.W. (2015). Incidence and 12-month outcome of childhood non-affective psychoses: British national surveillance study. *British Journal of Psychiatry* 206(6): 517-518.

- **Tiffin, P.A.**, Kitchen, C. & Weir, S. (2015). Innovations in Practice: piloting a new child and adolescent risk assessment suite in the United Kingdom. *Child and Adolescent Mental Health* 20(4): 225-229.
- Palmer, E., Welsh, P. & **Tiffin, P.A.** (2015). Perceptions of family functioning in adolescents who self-harm. *Journal of Family Therapy*
- **Chaytor, A** (2015). Control of Cardiac Function. *Anaesthesia and Intensive Care Medicine* 16(5): 209-211.
- Nazar, H , Nazar, M, Rothwell, C, Portlock, J, **Chaytor, A** & Husband, A (2015). Teaching safe prescribing to medical students: Perspectives in the UK. *Advances in Medical Education and Practice* 6: 279-295.
- **Ikah, December S.K.**, Finn, G.M., **Swamy, Meenakshi, White, Pamela M. & McLachlan, John C.** (2015). Clinical vignettes improve performance in anatomy practical assessment. *Anatomical Sciences Education* 8(3): 221-229.
- **Crampton, P.E.S., Hetherington, J., McLachlan, J.C. & Illing, J.C.** (Published). Clinical Learning in underserved deprived UK areas. *Clinical Teacher*
- Yeo, R. P. & **Sawdon, M.** Hormonal Control of Metabolism: Regulation of Plasma Glucose. *Anaesthesia & Intensive Care Medicine*. Due in print 2016
- **Tiffin P, McLachlan JC** (2015) The properties of the PLAB testing programme as a predictor of later professional practice. In preparation for submission to *BMJ*.
- **Kehoe M, Illing J, Metcalf J, Mclachlan JC.** (2015) Interventions to support overseas medical graduates' transition to their host-country: A realist synthesis of the evidence. Submitted to *Medical Education*.
- Patterson F, Cousans F, Edwards H, Walker K, Good D, **McLachlan JC** (2015) The complementary roles of Situational Judgement Tests and academic attainment in postgraduate selection. Submitted to *Advances in Health Science Research*.
- **McLachlan JC** (2015) Gaps and Bridges In Press in *Medical Education*
- **Crampton, P., Hetherington, J., McLachlan, J., & Illing, J.** (2015). Learning in underserved UK areas: a novel approach. *The Clinical Teacher*. **12**: 1-5.

Mental Health Research Group (MHRC)

The Mental Health Research Group (MHRG) had a very successful year in 2015. Our second annual Mental Health Research conference was held in May at Durham University in conjunction with the TEWV R&D. It showcased the Group's research achievements around the theme of community engagement and was facilitated by Youth Speak. The conference was well attended by academic researchers, clinicians, service users, carers and members of the community. The MHRG also hosted the International Primary Care Mental Health conference at Durham University. There were other major network meetings throughout the year as the Group's national and international collaborators came to Durham University to develop research grant applications.

The Youth Mental Health research programme of the MHRG led a five country European consortium in a 6 million euro Horizon2020 EU grant application in August 2014. The Consortium was successful at Stage 1 of the application (25% success rate) but missed out at Stage 2 (8% success rate). The Consortium has identified another EU funding call in 2016 and is currently preparing the application. The members of Youth Speak, an enhanced model of community involvement, have been instrumental in the development of the EU project and recently met with young advocates working with our Norwegian collaborators to share ideas for further youth involvement in our youth mental health research.

Milestones have been reached in a number of clinical trials in which MHRG senior academics are Co-Investigators. The 'behavioural activation' focussed trials of COBRA, CASPER and CASPER Plus led by Dr David Ekers for the Durham site, have all been completed with excellent recruitment and retention rates. The CASPER trial is the largest study to date of psychological intervention and collaborative care for sub-threshold depression in older adults with results indicating a 50% reduction in the risk of developing major depression. Dr Helen Stain has been funded by the NIHR as lead for a Clinical Research Group (CRG) to investigate interventions for young people who have experienced trauma. The CRG is preparing a NIHR Programme Development grant application to be submitted in 2016. Dr Lisa Webster has been funded as lead investigator by the UK Ministry of Defence for a clinical trial examining the treatment of depression in military personnel (£110,800 for two years).

Evaluation Research and Development Unit (ERDU)

In 2015 ERDU maintained its high level of research output and impact. Following our three year evaluation of the NHS National Awareness and Early Diagnosis Initiative in primary care (see publications), we gained further funding for evaluation, this time through our position as part of the DH Policy Research Unit for Cancer, . We are now contributing to the PRU's evaluation of a major NHS initiative across England in access to diagnostic tests. Our trial of electronic clinical decision support is up and running, as is a case-control study of emergency presentations of lung and bowel cancer, both funded by Cancer Research UK. Many of our 17 peer-reviewed publications in 2015 also related to cancer, though Sally Brown maintained her strong record of publication in medical sociology. Two students gained their PhDs this year.

Greg Rubin was a member of the Primary Care Workforce Commission, set up at the request of the Secretary of State for Health to report on how Primary Care should develop over the coming years. The report, 'Teams for Tomorrow' was published in July and has been behind several of the ministerial announcements on workforce in the past 6 months <https://hee.nhs.uk/our-work/hospitals-primary-community-care/primary-community-care/primary-care-workforce-commission>

Greg Rubin also led a major Lancet Oncology Commission report on the future role of primary care in cancer control. <http://www.thelancet.com/commissions/primary-care> This report is now with those responsible at the highest level for cancer care in many of the world's high income countries.

We sadly said goodbye this year to Sally Brown and Nicky Hall, both ERDU stalwarts.

Top research publications

- G Rubin, C Gildea, S Wild, J Shelton, I Ablett-Spence. Assessing the impact of an English national initiative for early cancer diagnosis in primary care. *British Journal of Cancer* 2015; 112. DOI:10.1038/bjc.2015.43
- Sally Brown, Roisin Bevan, Greg Rubin, Catherine Nixon, Simon Dunn, et al. Patient-derived measures of GI endoscopy: A meta-narrative review of the literature. *Gastrointestinal endoscopy* 2015; 81(5):1130-1140.e9
- Peter W Rose, Greg Rubin, Rafael Perera-Salazar, Sigrun Saur Almberg, Adriana Barisic, et al. Explaining variation in cancer survival between 11 jurisdictions in the International Cancer Benchmarking Partnership: a primary care vignette survey. *BMJ Open* 2015; 5(5):e007212. DOI:10.1136/bmjopen-2014-007212

- Møller Henrik, Gildea Carolynn, Meechan David, Rubin Greg, Round Thomas, Vedsted Peter et al. Use of the English urgent referral pathway for suspected cancer and mortality in patients with cancer: cohort study. *BMJ* 2015; 351:h5102
- Willie Hamilton, Sally Stapley, Christine Campbell, Georgios Lyratzopoulos, Greg Rubin, Richard D Neal. For which cancers might patients benefit most from expedited symptomatic diagnosis? Construction of a ranking order by a modified Delphi technique. *BMC Cancer* 2015; 15(1):820. DOI:10.1186/s12885-015-1865-x ·

The Centre for Social Justice and Community Action

Directors: Prof Sarah Banks (SASS); Prof Rachel Pain (Geography); Dr Andrew Russell (Anthropology)

New initiatives:

- *Successful bid to ESRC Impact Acceleration Account* (Durham) to establish Participatory Research Hub, one-year appointment of Cat Alexander as part-time Development Officer (£29,142).
- *Successful bid to AHRC for Connected Communities Festival* events to be held in Durham and Tyneside, 15-27 June 2015 (£10,000)
- *Successful bid to ESRC N8 (match-funded by Impact Acceleration Account)* for study of mapping alternative forms of impact from co-produced research (£13,950)

Training events:

- *Three one-day training events* (Participatory Action Research 1, Participatory Action Research 2 and Developing Policy and Practice through Participatory Research, facilitated by Rachel Pain and Andrew Orton, Feb & May 2015) organised with University Staff Development and open to academics, postgraduates and community partners.
- *Two-day course* on Participatory Action Research for doctoral students and community partners, organised through NE Doctoral Training Centre, 23-24 June 2015.

Seminars and workshops in Durham:

- 4 Nov 2014, *Issues & Challenges in PAR* (postgraduate research), facilitators Sarah Banks & Andrew Russell
- 27 April 2015, *Launch of Participatory Research Hub*
- 9 June 2015, *Introduction to PAR*, and *Speed-dating*, a Hub event, facilitated by Mary Brydon-Miller and Andrew Russell
- 17th June 2015, *Action Research for Social Justice: Changing the Climate for Research and Teaching*, Mary Brydon-Miller, Miriam B. Raider-Roth, Lisa M. Vaughn; University of Cincinnati, USA.
- 22 June 2015, *Participatory Ethics through Participatory Theatre*, facilitated by Frances Rifkin, Utopia Arts and Sarah Banks.
- 23 June 2015, *Dilemmas Café: Using Dialogue to Explore Ethical Challenges in Community-based Participatory Research*, facilitated by Sarah Banks and Sue Shaw
- 19 June 2015, *New Developments in Community Finance: 50 years of Credit Unions, and where next?* Chaired by Sarah banks, with national and local speakers, and discussion groups.

- 15 Sep 2015t, *Mapping Impact Together: Alternative Forms of Impact in Co-produced Research*, facilitated by Rachel Pain and Kye Askins (Glasgow University).
- 23 Oct 2015, *Developing a Participatory Research Project*, a Hub event, facilitated by Andrew Orton.
- 16 Nov 2015, *Participatory Research in Arts and Heritage*, a Hub event.
- 25 Nov 2015, *Ethics in Participatory Research: Building Trust and Being Fair*, facilitated by Sarah Banks.

Highlighted Research Projects

(for full list please see www.dur.ac.uk/beacon/socialjustice/researchprojects/)

Imagine: connecting communities through research is a large consortium project (£2.2 million) funded by ESRC (2013-2017). CSJCA is coordinating one of four work packages, involving a two-year action research project (2014-15) exploring two former Community Development Project areas in the North East and one in Coventry.

Highlighted Publications

- Banks, S., Armstrong, A., Booth, M., Brown, G., Carter, K., Clarkson, M., Corner, L., Genus, A., Gilroy, R., Henfrey, T., Hudson, K., Jenner, A., Moss, R., Roddy, D. & Russell, A. (2014). '[Using co-inquiry to study co-inquiry: community-university perspectives on research collaboration](#)', *Journal of Community Engagement and Scholarship* 7(1).
- Pain, R. (2014) 'Impact: striking a blow or walking together? *ACME: an International E-Journal for Critical Geographies*' 13: 19-23
- Robinson, P., Macnaghten, P., Banks, S. et al (2014) 'Responsible scientists and a citizens' panel: new storylines for creative engagement between science & the public', *The Geographical Journal* 180(1): 83-88.
- Whitman G, Pain, R. and Milledge, D. (forthcoming) 'Going with the flow? Using Participatory Action Research in physical geography', *Progress in Physical Geography*.

Plans for 2015-16

- Support and promote new community-university participatory research partnerships through the Participatory Research Hub
- Develop further training and support for doctoral students, building on the new course started in 2015
- Programme of work around mapping alternative impact
- Develop international networks and partnerships

Durham Endocrinology & Ecology Laboratory

The Durham Endocrinology and Ecology Laboratory is a facility which is part of both the Department of Anthropology and the Wolfson Research Institute. We support teaching and research in the context of generating biological data from bio-fluids including saliva, whole blood and urine and making comparisons against additional self-reported or behavioural data. The laboratory has supported numerous UG, PGR and PGT dissertations as well as UG teaching modules in Anthropology. In 2012 we collaborated with Psychology in the 10th year of the Tees Valley Baby study to include biological data for the first time (paper under review in *Evolution and Human Behaviour*). We have worked with the Parent-Infant Sleep Laboratory measuring

both stress and arousal from saliva in mothers and babies, as well as examining the development of infant sleep wake cycles from urinary melatonin levels. One of the largest areas of research in conjunction with the lab has centred around how human migration impacts on development and health. Dr Lauren Houghton and Professor Gillian Bentley have explored how timing of migration influences reproductive development in puberty using a number of salivary and urinary biomarkers (Houghton et al. 2014a. 2014b). In 2012 Professor Gillian Bentley and Dr Gill Cooper (together with Professor Sarah Curtis) were awarded £600k from the ESRC to explore regional and generational biosocial differences in both acculturation experiences and health and wellbeing in UK Bangladeshi migrant communities. Again the laboratory played a key role here since saliva samples were collected from the majority of participants and analysed in-house to provide a physiological indication of stress, health and well being in these communities. This research will generate a number of publications currently in preparation to be submitted early next year. Preliminary results were presented at the Wolfson Research Institute Colloquium 2015 and we have also submitted a number of abstracts to international conferences. Community outreach events have also taken place. This work has led to further funding from BBSRC and ESRC to fund the grant 'Epigenetic stability in a stressful environment and its effects on reproductive function' (PI Professor Gillian Bentley).'

Centre for Research into Violence and Abuse (CRiVA)

The beginning of 2015 saw the launch of Project Mirabal - a major programme of research into domestic violence perpetrator programmes which had received around £1.3million worth of funding (mostly from the ESRC and the Northern Rock Foundation) and included a number of CRiVA researchers. The research was led by Nicole Westmarland at Durham and Liz Kelly at London Metropolitan University. The



report was covered in a number of media outlets, including the Guardian, the Observer, the New Statesman and the Conversation. Using longitudinal quantitative and qualitative methods the research found that perpetrator programmes can be effective in reducing domestic violence and abuse – especially physical and sexual forms of violence.

As well as the final report (which can be downloaded from here <https://www.dur.ac.uk/resources/criva/ProjectMirabalfinalreport.pdf>), ten other publications have been published or are in press at the time of writing.

We have hosted a number of visitors to CRiVA who have given talks to our members (in total around 400 academics and non-academics). Many of these have been focused around the support that CRiVA have been giving to the Durham University Sexual Violence Task Force which was launched in July 2015 and is chaired by Professor Graham Towl, Deputy Warden. A sample of the events we have hosted in 2015 are listed below.

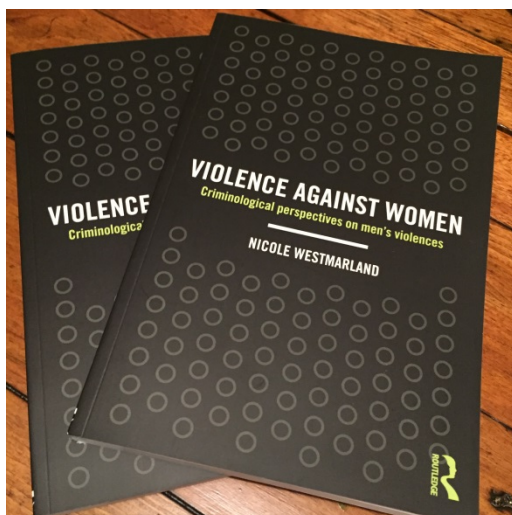
- Project Mirabal Launch Conferences: Domestic Violence Perpetrators - Changing the Story. January 13th and 15th.
- CRiVA Workshop, 'Promoting Positive Masculinities at University': The Good Lad Workshop, Tuesday 28th April 2015.
- CRiVA Lecture: Police Use of Discretion in Responding to Domestic Abuse, Wednesday 20th May 2015.
- CRiVA Conference with Durham Constabulary: 'Policing Domestic Abuse – What Does 'Justice' Look Like?'
- Thursday 4th June 2015.
- CRiVA Workshop: The Role of Men and Boys in Preventing Violence Against Women, Monday 13th July 2015
- CRiVA Postgraduate Research Snapshot, 23rd September 2015
- The Hunting Ground' Film Screenings, 28th October and 23rd November 2015.
- 9th North East Conference on Sexual Violence: 'Sexual Violence Against Older People' 30th November 2015

Three CRiVA members (Kate Butterworth, Professor Maggie O'Neill and Professor Nicole Westmarland) have been developing a research based training programme for frontline police officers to increase their confidence around responding to 'coercive and controlling behaviours' within domestic violence. This became a criminal offence at the end of December 2015. We have been working with women's community theatre company Open Clasp to develop a play and drama based training exercises based on a snapshot of domestic violence we conducted earlier in 2015. The Open Clasp play is called 'Rattle Snake' and currently 400 frontline police officers have been trained and two showings for members of the public have taken place (14th December in Durham and 17th December in Newcastle). The feedback we have received on this training has been outstanding and it is clear that the police have really appreciated having a different form of training and the move away from e-learning or powerpoint based exercises.

"I attended your play yesterday and it blew my socks off! Very emotive topic and excellently portrayed by the two tremendously talented actors. This was, by a country mile, the most engaging, impactful and thought provoking training session I have had in my fourteen year career in the police." - PC. Tony Miley, Durham Constabulary

Selected publications

Hackett, S., Masson, H., Balfe, M. & Phillips, J. (2015). Community Reactions to Young People who have been Sexually Abused and their Families: a Shotgun Blast, not a Rifle Shot. *Children and Society* 29(4): 243-254.



Bows, H. and Westmarland, N. (2015) Rape of Older People in the United Kingdom: Challenging the 'Real Rape' Stereotype, *British Journal of Criminology*, online first doi:10.1093/bjc/azv116.

Westmarland, N. (2015) *Violence Against Women – Criminological Perspectives on Men's Violences*, London: Routledge.

Obesity Related Behaviours Research Group

During the past year, the Obesity Related Behaviours Research Group (ORB) has continued focusing on intervention development, intervention evaluation and evidence synthesis – all of which has involved sustained collaboration with academics from outside the group.

A particular highlight is the NIHR SPHR funded Foodscape project (in collaboration with researchers from Newcastle University who are part of FUSE: The MRC-funded Centre for Research Excellence in Translational Research in Public Health). Various pieces of exploratory work have been completed and the project is now in the final stages of developing and testing a range of interventions that promote healthier food offerings in takeaways to determine feasibility, acceptability, suitable outcome and process measures, study designs and likely effect sizes.

Outputs are continuing from the systematic review work conducted impact of interventions aimed at reducing inequalities in obesity amongst adults and children, with a third paper from this work being published in the Journal of Public Health.

Members of the ORB research team are currently working on an update of the Cochrane review: Interventions for preventing obesity in children. This project is funded by the World Health Organisation and is in collaboration with colleagues at Deakin University and the University of Melbourne in Australia. The most recent update of this review was published on the Cochrane Library in Issue 12, 2011. It includes 55 studies published up until September 2010. The review findings have been used to inform and guide international policies and programmes. It has been the most highly accessed review on The Cochrane Library in 2011-2013 with over 15,000 downloads per annum, and has been cited in over 2000 academic papers. This update looks set to include approximately an additional 100 RCTs as is due for completion in 2016.

Members of the ORB research team have also been working on a systematic review funded by the National Institute for Health Research evaluating the evidence for alcohol reduction, smoking cessation and weight management interventions set within the community pharmacy (NIHR-PHR-12/153/52). This was carried out with colleagues in Durham, Newcastle and Barts. The report was submitted in March 2015 and the paper has been resubmitted in November 2015 following minor revisions to BMJ Open.

Other achievements for the year include a systematic review and meta-analysis of diet and physical activity interventions to prevent or treat obesity in south Asian children and adults which originated from The Born in Bradford NIHR Research Programme.

Also, there are three pending Cochrane reviews:

- Diet, physical activity and behavioural interventions for the treatment of overweight or obesity in pre-school children up to the age of 6 years. (currently under review);
- Drug interventions for the treatment of obesity in children and adolescents. (final amendment stage);

- Diet, physical activity and behavioural interventions for the treatment of overweight or obesity in primary school children. (ongoing)

In relation to her PhD Claire O'Malley is about to submit a paper before the end of the year (Determinants of fruit and vegetable consumption in young children: a systematic review). For the second part of her PhD she is also working on another review entitled: Exploring barriers and facilitators of fruit and/or vegetable consumption in preschool children: a meta-synthesis using the Theoretical Domains Framework. Results from both reviews, along with evidence provided by case study work (to be carried out in 2016) ultimately aims to inform the development of an intervention to increase F&V consumption in young children.

In terms of Conference contributions, Dr Summerbell presented at the 12th European Nutrition Conference FENS in Berlin, Germany. Her talk was entitled "Weighing up the evidence: the characteristics and approaches of effective public health interventions to tackle inequalities in obesity".

Dr Frances Hillier, has given two oral presentations at the Annual Conference of the International Society for Behavioural Nutrition and Physical Activity (ISBNPA), one presenting our work on "a systematic assessment of local level home food outlet (OHFO) initiatives in England" for the Foodscape project, and the other on "exploring the use of digitally captured images to prompt dietary recall".

Dr Tamara Brown's conference contributions include four abstracts at the International Society of Behavioral Nutrition and Physical Activity 2015 Annual Meeting, Edinburgh 3rd-6th June 2015. Also three abstracts including an oral presentation at the 22nd European Congress on Obesity 2015, Prague 6th – 9th May 2015. Also three abstracts including two oral presentations at the Wolfson Research Institute for Health and Wellbeing 2015 Research Colloquium, Durham 15th April 2015.

Publications of interest this year

- Peter Tymms, Sarah E. Curtis, Ash C. Routen, Katie H Thomson, David S. Bolden, Susan Bock, Chris E Dunn, Ashley R Cooper, Julian G Elliott, Helen J Moore, Carolyn D Summerbell, Paul A Tiffin, Adetayo S Kasim. A clustered randomised controlled trial of two education interventions designed to increase physical activity and wellbeing of secondary school students: The MOVE Project. *BMJ OPEN* (in press)
- Mazarello Paes V, Hesketh K, O'Malley C, Moore H, Summerbell C, Griffin S, van Sluijs EMF, Ong KK and Lakshman R. Determinants of sugar-sweetened beverage consumption in young children: a systematic review. *Obesity Reviews* 2015 Nov;16(11):903-13. doi: 10.1111/obr.12310.
- Heslehurst N, Dinsdale S, Sedgewick G, Simpson H, Sen S, Summerbell C, Rankin J. An Evaluation of the Implementation of Maternal Obesity Pathways of Care: a Mixed Methods Study with Data Integration. *PLoS One* 2015 May 27;10(5):e0127122. doi: 10.1371/journal.pone.0127122. eCollection 2015.
- Heslehurst, N., Russell, S., Brandon, H., Johnston, C., Summerbell, C. and Rankin, J. (2015), Women's perspectives are required to inform the development of maternal obesity services: a qualitative study of obese pregnant women's experiences. *Health Expectations*, 18: 969–981. doi: 10.1111/hex.12070

- Summerbell C, Brown T. Childhood obesity: the guideline for primary care should form part of a whole-system approach (a commentary). *Canadian Medical Association Journal*. 2015 Apr 7;187(6):389-90. doi: 10.1503/cmaj.150259.
- Adams J, Goffe L, Brown T, Lake AA, Summerbell C, White M, Wrieden W, Adamson AJ. Frequency and socio-demographic correlates of eating meals out and take-away meals at home: cross-sectional analysis of the UK National Diet and Nutrition Survey, waves 1-4. *International Journal of Behavioural Nutrition and Physical Activity* 2015 Apr 16;12(1):51. doi: 10.1186/s12966-015-0210-8
- Padmanabhan U, Summerbell CD, Heslehurst N. A qualitative study exploring pregnant women's weight-related attitudes and beliefs in UK: The BLOOM study. *BMC Pregnancy and Childbirth*. 2015 Apr 22;15:99. doi: 10.1186/s12884-015-0522-3.
- Chamieh MC, Moore HJ, Summerbell CD, Tamim H, Sibai AM, Hwalla N. Diet, physical activity and socio-economic disparities of obesity in Lebanese adults: findings from a national study. *BMC Public Health* 2015 Mar 21;15:279. doi: 10.1186/s12889-015-1605-9.
- Brown T, Smith S, Bhopal R, Kasim A and Summerbell C. Diet and Physical Activity Interventions to Prevent or Treat Obesity in South Asian Children and Adults: A Systematic Review and Meta-Analysis *Int. J. Environ. Res. Public Health* 2015, 12 (1), 566-594; doi:10.3390/ijerph120100566
- Cairns JM, Bambra C, Hillier-Brown FC, Moore HJ, Summerbell CD. Weighing up the evidence: a systematic review of the effectiveness of workplace interventions to tackle socio-economic inequalities in obesity. *Journal of Public Health*. 2015 37 (4): 659-670 doi: 10.1093/pubmed/fdu077

The Parent-Infant Sleep Lab

2015 was another productive year for the Parent infant sleep lab. We have been busy with publications, projects, talks, workshops and media work. We continued to run the Infant Sleep Info Source website, launched the android version of our Infant Sleep app, and began an infant sleep intervention project in Sunderland. Helen travelled to Australia, Canada, Sweden and Japan to give invited talks about our research, while Charlotte organised UK study days, hosted several groups of student health visitors, and oversaw student projects in the lab. Cassandra completed the preparatory work for the new 'Lets talk about sleep' study in Sunderland, Allison obtained a distinction in her MA with a thesis on swaddling, and Alice-Amber joined us in October to study the use of Baby Bed Boxes. Details of these activities and more can be found below.

Publications in 2015

- Ball, H. L. (2015). Empowering families to make informed choices about sleep safety. *British Journal of Midwifery*, 23(3), 164–165. doi:10.12968/bjom.2015.23.3.164
- Ball, H. L. (2015). The BMJ illustrates hazardous co-sleeping. *BMJ*, 350(mar04 12), h993–h993. doi:10.1136/bmj.h993
- Ball, H. L., & Russell, C. K. (2014). SIDS and Infant Sleep Ecology. *Evolution, Medicine, and Public Health*, 2014(1), 146. doi:10.1093/emph/eou023
- Rudzik, A. E. F., & Ball, H. L. (2015). Exploring Maternal Perceptions of Infant Sleep and Feeding Method Among Mothers in the United Kingdom: A

Qualitative Focus Group Study. *Maternal and Child Health Journal*.
doi:10.1007/s10995-015-1798-7

- Russell, C., Whitmore, M., Burrows, D., & Ball, H. L. (2015). Where might my baby sleep? Design and evaluation of a novel discussion tool for parent education. *International Journal of Birth and Parenting Education*, 2(2), 12–16.
- Russell, C. K., & Ball, H. L. (2015). Bed-sharing, co-sleeping and parent education--a time for change. *International Journal of Birth and Parenting Education*, 2(2), 19–20.
- Taylor, Catherine E., Tully, Kristin P. & Ball, Helen L. (2015). Night-time on a postnatal ward: experiences of mothers, infants, and staff. In *Ethnographic Research in Maternal and Child Health*. Dykes, Fiona C. & Flacking, Renée Routledge.
- Volpe, L. E., & Ball, H. L. (2015). Infant sleep-related deaths: why do parents take risks? *Archives of Disease in Childhood*, 0(7), 603–604.
doi:10.1136/archdischild-2014-307745

Geographies of Health and Wellbeing (GoHWell)

Events

GOHWELL organised, co-organised and supported four events this academic year, and convened a panel at the Geographies of Austerity event. This report summarises the four main events in terms of the themes discussed and the speakers presenting.

1. 'Troubling Institutions'

Conference, University of Glasgow, December 11th 2014

This conference was organised in collaboration with Professor Chris Philo at Glasgow University and is a follow-on event after the asylum/post-asylum mini-conferences in Glasgow and Durham in 2012/13. This builds upon an established research relationship between GOHWELL and health geographers in Glasgow. One Durham colleague presented (Jenny Laws) and three other staff attended.

For information see <http://asylumspaces.wordpress.com/2014/09/09/conference-troubling-institutions-exploring-spaces-of-security-and-care/>

2. Global Health Research Workshop

December 17th 2014

This workshop brought together three papers in order to consider the theoretical and methodological specificities of engaging in health research in the global South. Moreover, the event purposefully brought together colleagues from Geography and Anthropology in Durham alongside an outside speaker from Kings College London in order to consider and develop common themes amongst the research. Whilst diverse in their empirical focus, each paper allowed for a consideration of the role of 'context' in understanding how diverse knowledges and practices concerned with 'health' and 'healthcare' are experienced, co-produced and come into tension with each other. The event was attended by approximately 20 people drawn from Geography and elsewhere in the University.

Chris Dunn, Department of Geography, Durham University: Bio-medical interventions in the global South: exploring local meanings and practices in mosquito bednet usage

Kate Hampshire, Department of Anthropology, Durham University: Medicine use in Sub-Saharan Africa: From the Global to the Local and Back Again

Clare Herrick, Department of Geography, Kings College London: Creating interdisciplinary and international research: crossing the public health/ social science gap

3. Research Sharing Meeting

January 21st 2015

This was a relatively informal event which was organised as a space for colleagues to discuss current health related research in an informal setting over lunch in order to get feedback/help with particular research related issues. There were approximately fifteen people in attendance, drawn from all career stages. In total six people spoke, including three postgraduates, and generated some really varied and supportive discussion.

4. Breaking up bodies: body parts, body waste and the geographies of circulation'

May 20th, 2015

This is a workshop co-sponsored by the 'Geographies of Health and Wellbeing' and 'Politics, State, Space' research clusters at Durham University, Department of Geography.

The workshop examined the politics of body parts and body waste – how bodies fall apart, decompose, are broken up, dissected, multiplied and exchanged in ways that challenge conventional understandings of the 'subject' of political life. We will address questions about how different ideas about culture, difference, citizenship, and our obligation to others are inscribed in the varied mobilities of organs, tissues, stem cells, embryos and sperm, and how these invite us to re-consider ideas about sovereignty, life, death, 'gift' economies as well as collective futures. In considering the geographies of health and wellbeing in relation to the politics of state and space, we generated questions about the circulation of cells, molecules, tissues and organs across borders and species.

Rachel Colls and Angharad Closs Stephens, Department of Geography, Durham University: Introduction

Sarah Atkinson, Department of Geography/Centre for Medical Humanities, Durham University: Care, Kidneys and Clones: the distance of space, time and imagination

Jessie Cooper, Department of Public Health and Policy, The University of Liverpool: Organ donation after circulatory death: situating the practice

Maria Fannin, School of Geographical Sciences, Bristol University: Banking a connection: mothers' reflections on donation to a placenta tissue collection

Abi McNiven, Nuffield Department of Primary Care Health Sciences, Oxford University: Bleeding in Early Pregnancy Loss as Betwixt-and-between: Encountering Menstrual 'Waste' and/or Baby-to-be

Centre of Death and Life Studies

Acquisition of hundreds of new records and documents from Archive of the Cremation Society of Great Britain for Durham University Library.

International Visitors

- a. Michaelmas Term 2015 Ms. Brenda Mathijsen from Nijmegen University was a visiting research scholar and gave lecture to undergraduates on her death-studies research.
- b. Michaelmas Term Ms Tinne Claes, postgraduate from Louvain University visited Durham in association with Wolfson Institute on Medical History and shared in the undergraduate module on Death Ritual and Belief.

International & National Presence

- a. Plenary Speaker at Dutch Association for the Study of Religion 2015. Davies
- b. Plenary speaker at Nijmegen University on Ritual and Pastoral Studies 2015. Davies.
- c. Invited speaker for Finland's *Aboagora* Summer-Fest 2015 (Public Lecture). Davies
- d. Pennsylvania Eastern University: Invited two day lectures. Davies
- e. Erfurt: International Assoc. Study of Religion. 'Death Online'. David Eaton, MA Student.
- f. Prof Davies: Expert Member European Research Council.
- g. Church of England launch-conference for its Funerals Project. Davies
- h. Ecclesiastical Law Society Conference. Davies.
- i. Leicester University Archaeology Department Project on Death.
- j. Prof Charlotte Roberts (Archaeology): Dozen plus Conferences.

National Research Projects

- a. With Manchester Metropolitan Univ. ESRC Consortium on *Encountering Corpses*.
- b. With Archaeology Department *Invisible Dead* Project (& Prof. Charlotte Roberts).

Media

Prof Davies. Consultant with Cooperative Funeral Care in some 18 short radio and 3 television interviews regarding one of their social surveys on funerals.

Major Publications of Director

2015. *Mors Britannica: Lifestyle and Death-Style in Britain Today*. Oxford Univ. Press. Pp. 428.

2015. 'Emotions, Grief, and Reality-Unreality in Human Mortality'. *Death and Mortality: From Individual to Communal Perspectives*. (eds.) Outi Hakola, Sara Heinämaa and Sami Pihlström. Helsinki: Helsinki Collegium for Advanced Studies. Pp.10-31

2015. 'Immortality'. *Role of Death in Life*. (eds) J. Bahr. & J. Cuningham. Oregon: Cascade Bks 31-44

2015. 'Valuing Emotion in Tragedy'. *Modernities, Memory and Mutations: Grace Davie and the Study of Religion*. (eds. Abby Day and Mia Loveheim'. Ashgate. Pp.113-130.

2015. Davies, Douglas J. and Adam Powell (eds.). *Sacred Selves, Sacred Settings: Reflecting Hans Mol*. Farnham: Ashgate.

2015. Davies, Douglas J. and Peter Rowe. 'Modern Ethos and Spirituality in Changing Times', *Durham Cathedral, History, Fabric and Culture*. (ed.) D.Brown. Yale Univ. Press. Pp. 367-380.

Grant applications/awards.

Horizon 20/20 Major application with 10 other countries led by Durham.

Unsuccessful. **Welcome Trust** Joint application with Anthropology Dept. on 'New Immortalities'. Successful at first but not at second stage.

AHRC Artist in Residence Application. Unsuccessful.

ESRC joint with Anthropology now being submitted (Jan 2015): 'New Immortalities'.

Centre for Sex, Gender and Sexualities

Key Achievements 2015

Funded Research: i) The Durex Campaigns; ii) The Hidden Lives of Female Sex Workers; iii) Leverhulme Fellowship, Methods on the Move; iv) Evaluation of Specialist and Advocacy work for Women in Leeds who have experienced historic sexual abuse, v) Walking Stories and Participatory Theatre: Mobile Methods Performing Migrants' citizenship [AHRC funded with Umut Erel, Open University as PI]

National Sex Work Research Hub: The launch and development of research hub that enhanced our reputation for research and outreach on sex work. This involved a number of events, including a SexGen seminar on Sex Work in the North, Afterwork Seminar by Dr. Paul Maginn and organisational support for the PG Sex Work conference in January 2016. O'Neill, M. Maginn, P, Hubbard, P, Bowen, R and Laing, M [2015] *Decriminalisation of Sex Work and Social Justice for Sex Workers: Time for Evidence-based Policy* was submitted to Evidence Gathering Symposium on the Decriminalisation of Sex Work, 3rd November 2015, House of Commons and to the Consultation led by Jean Urquhart, 1st December, MSP Member for Highlands and Islands in relation to the Prostitution Law Reform (Scotland) Bill.

Annual Summer School: Our third annual summer school was again two days, and included international guest speakers: Prof. Betsy Ettore (University of Helsinki) and Prof. Ron Weitzer (George Washington University), as well as Prof. Ken Plummer and Prof. Clarissa Smith from the UK. A special issue, *Mostly Straights*, from the previous summer school was submitted to the publishers at the end of 2015. Authors include Savin-Williams, R., Carrillo, H, Silva, T, Robards, B, Scoats, R and Branfman, J. This event is in collaboration with St Aidan's College, and the Principal, Dr Susan Frenk, who is Co-Director of CSGS this year.

Afterwork and CSGS seminars and workshops

A regular two weekly seminar, reading group or workshop led by CSGS postgraduate scholars. CSGS seminars and events are attended by academics, postgraduates as well as residents from various communities in the North East and highlights include:

- Pride seminar, including speakers from a range of stakeholders
- Reflections on queering law and sexuality, by Prof. Chris Ashford, Northumbria University
- Presentation on biographical methods.
- Gender, children and the law, by Prof. Stephen Whittle (Manchester Metropolitan University)

- *Man-Made: Why so few women are in positions of power* (Gower) The authors are Eva Tutchell and John Edmonds. John is a visiting professor at DUBS.
- 30th October. A Counterpoints Arts and CSGS Learning Lab will take place at St Aidan's Lindisfarne centre. *Gender, the Body and Biography*. Natasha Davis presented her work with a rejoinder by Jane Arnfield – in interaction with the participants of the Learning Lab.
- 50 Years of Sexism Conference, organized by colleagues in English

Significant Publications (2015):

Cairns, L. (2015). '[Bodily Dis-Ease in Contemporary French Women's Writing: Two Case Studies](#)', *French Studies* 69, . 494-508

Fouz-Hernández, S. (2015). '[La mirada homoerótica en el cine de Ventura Pons. De Ocaña a Ignasi M'](#)'. In Ventura Pons: Una mirada excepcional desde el cine catalán.

Domènech, Conxita & Lema-Hincapié, Andres Frankfurt: Iberoamericana / Vervuert.

James, S.J. (2015). '[Ugly Meanings in Beautiful Things': Reading the First Wilde Trial](#)'. In *The Persistence of Beauty: Victorians to Moderns*. O'Neill, Michael, Sandy, Mark & Wootton, Sarah Pickering and Chatto. 45-58.

McGlynn, C. & Ward, I. (2015). [Women, Law and John Stuart Mill](#). *Women's History Review* 24.

Morris, M. & Anderson, E. (2015). '[Charlie is so cool like': Authenticity, popularity and inclusive masculinity on YouTube](#)'. *Sociology*. online first.

O'Neill, M and Perivolaris, J. (2015) A sense of Belonging: walking with Thær through migration, memories and space in *Crossings: Journal of Migration & Culture* Volume 5 Numbers 2 & 3 pp327-338.

O'Neill, M. (2015) 'Body and Image-Space: walking, transition and belonging' in *Crossing Borders: Transition and Nostalgia in Contemporary Art* Edited by Dr Ming Turner and Dr Outi Remes, Taipei: Artouch Publications

Wignall, L. & McCormack, M. (2015). [An exploratory study of a new kink activity: "Pup Play"](#). *Archives of Sexual Behavior*. Advance online publication.

Other media including blogs significant for CSGS impact agenda

O'Neill, M (2015) Building cultural citizenship with women seeking refuge and asylum in Open Democracy June 2015.

<https://www.opendemocracy.net/womenoftheworld/building-cultural-citizenship-with-women-seeking-refuge-and-asylum>

McCormack, M. (2015). Consultancy work associated with the Durex Projects which involved significant media, primarily on radio and in print media. This included speaking at the film showing of *Her*, at *Future Love*, part of Science Week in Dublin.

Plans for 2016

1. Continuation of Annual Summer School – maintaining and developing PGR and ECR development and support, as well as attracting international speakers to the event.
2. Transition from Sex Work Research Hub to Sex Education Research Initiative, given staff changes and interest and expertise in sex education issues across the university. Development of research grant related to this area in progress.
3. Expand interdisciplinary activity, with additional focus on Arts and Humanities and Science Faculties.
4. Continuation of seeking grants from novel sources (e.g. Durex).

Anthropology of Health Research Group

Members of the Anthropology of Health Research Group (AHRG) have been awarded grants as PIs or CIs from the ESRC (Helen Ball -- Impact Acceleration), and the Lullaby Trust (Helen Ball) to conduct feasibility studies of safer co-sleeping for parents and babies; ESRC/BBSRC (Gillian Bentley - Epigenetics Networking Grant) to examine whether epigenetic changes in reproductive hormone receptors might explain early life developmental effects on reproductive function in migrant Bangladeshis; the ESRC (Hannah Brown -- Urgent Mechanism) to examine attitudes to Ebola treatments in Sierra Leone; the Wellcome Trust (Kate Hampshire -- seedcorn) to investigate trust in relation to medicine use in Ghana and Tanzania; while Claudia Merli is a co-investigator responsible for qualitative analyses on a Wellcome Trust/DfID grant analysing the effects of volcanic eruptions on respiratory health. Andrew Russell and members of his research group are contributing to a Wellcome-funded project, Life of Breath, funded to a number of Wolfson Fellows, and continuing their projects related to tobacco use now and in the past. AHRG Members have also given guest and keynote lectures around the world, in Australia, Canada, Denmark, Germany, Portugal, Japan, Sweden, Switzerland, and Thailand. AHRG members are active in their research and impact activities to make infant co-sleeping safer, to reduce smoking and tobacco use worldwide, to improve the health of migrant South Asians, to improve reproductive health of women in Asia, on diabetes care and compliance, to investigate the impact of e-health through new technologies in developing countries, and to investigate how health behaviours spread culturally across societies. New papers have been published in various edited volumes and in peer-reviewed journals including *American Ethnologist*, *Anthropology in Action*, *Archives of Disease in Childhood*, *British Medical Journal*, *Fertility and Sterility*, *Geoforum*, *Journal of International Development*, *PLoS NTDS*, *PLoS One*, *Social Science and Medicine*, *Occupational and Environmental Medicine*, among others. Finally, many AHRG Members participated in the Wolfson Colloquium during 2015 giving presentations of their work.

Postgraduate Associate Scheme

The Institute launched a Postgraduate Associate Scheme in 2012 with close to 100 Associates to date. The scheme is open to all Postgraduates, from any department within the University, who are a registered postgraduate taught or research student at the University. The taught course or research project undertaken must fall broadly within one of the Institute's three themes. Postgraduate Associates have access to all of the Institute's seminars, lectures and workshops and further activities to develop and support our PG and Early Career researcher community will be announced in 2016.

Special Interest Groups

The Wolfson Research Institute for Health and Wellbeing supports a number of Special Interest Groups (SIGs). These are interdisciplinary groups of research active staff who share a common interest in a specific theme (e.g. climate change), methodology (e.g. randomised controlled trials) or specific disease (e.g. diabetes), but where there is no formal arrangement (e.g. research centre) to which their theme, methodology or disease already belongs. The aim of this scheme is to seed new enterprises with the potential to develop and become self-sustaining. We aim to support 6-8 groups each year with administrative support and funding where appropriate.

Reports from each Special Interest Group are available below.

Smoking

Activities

Members of the Smoking Special Interest Group (SSIG) have undertaken the following activities in 2013-14:



1. Based on our successful July 2013 symposium (funded by a small grant from the WRI) Dr Andrew Russell (SSIG) and Dr Elizabeth Rahman (Oxford) have completed the collation and editing of a new volume *The Master Plant: Tobacco in Lowland South America* was published by Bloomsbury in March 2015. We await reviews with anticipation.
2. Dr Russell is completing a single-authored book on tobacco which is drawing on several strands coming out of the research conducted by members of the SSIG. He had a Leverhulme Research Fellowship from January-December 2014 and this was followed by a period of departmental research leave from January – August 2015.
3. Dr Russell convened a panel at the EASA/RAI Global Health Conference in Brighton in September 2015 with Dr Tom Widger called 'Ambivalent Objects' in which he presented a paper 'Can the Cigarette Speak?'. This panel became the subject of a competitive special issue submission to the Journal of Material Culture which was successful.
4. Dr Russell wrote an entry 'Tobacco' for the *International Encyclopedia of Anthropology* (Wiley-Blackwell). This has been accepted for publication.
5. Dr Russell and Dr Sue Lewis co-authored an article for the journal 'Anthropology in Action' on the nature of impact in anthropological research on tobacco control.
6. Dr Russell and Dr Megan Wainwright wrote up an article 'Means and ENDS – E-Cigarettes, the Framework Convention on Tobacco Control, and Global Health Diplomacy in Action' currently under review by Global Public Health based on their attendance of the WHO's Framework Convention on Tobacco Control 6th Conference of the Parties in Moscow, Russian Federation, in October 2014, as affiliates of the NGO Action on Smoking and Health. They also collaborated with four other members of the Framework Convention Alliance on a joint booklet 'The FCTC Conference of the Parties: A Guide for Beginners' which was finalised in March. In response to the circulation of this document, the Secretary General of the Japan Society for Tobacco Control (JSTC), Kyoichi Miyazaki, wrote in an email 14-4-15 "It is a great issue for us, Japanese who are not familiar with abbreviation of organizations. Even I have attended several COP meetings, but I felt myself a novice. Thanks for your effort," while Barbara McGaw, Tobacco Control Project Manager for the Heart Foundation of Jamaica, wrote "This is great...Very useful even for those who have been to the COP before. Thanks for sharing."
7. Frances Thirlway successfully passed her PhD on smoking and identity in a former mining community in Co. Durham in January (with Prof Jude Robinson (Liverpool) and Prof Jeanette Edwards (Manchester) as externals). She has been undertaking part-time participatory action research work on a Durham County Council funded Wellbeing for Life project, which was renewed in September 2015.
8. Dr Kwanwook Kim has completed his PhD fieldwork year working in Seoul Digital Complex with female call centre workers. During this time he wrote and published a book (in Korean) called 'Smart Smoking', intended to offer

health advice for people who smoke. He returned to Durham in August 2015 and is now writing up his thesis. His research is presented on his blog, <http://anthrokinikorea.blogspot.kr/>. Dr Kim has been granted a £450 award by the Centre for Medical Humanities to pilot a form of exercise he discovered during his research amongst volunteer students and workers in Durham.

9. It has been the first Durham year of the Wellcome Trust Senior Investigator Award 'Life of Breath' project for Prof Macnaughton. The particular clinical focus of the award is the smoking-related illness COPD, and involves collaborative research with the British Lung Foundation 'Breathe Easy' groups. The award is for a total of £1.5m and includes some buyout for Dr Andrew Russell (Anthropology) and Prof Corinne Saunders (English Studies). Dr Rebecca Oxley has been appointed as a PDRA jointly between Anthropology and the CMH on the project.
10. Dr Russell continues as FUSE representative on the Making Smoking History in the North East partnership board, and is a member of the Smoke Free Durham local alliance.

Publications

Relevant publications by members of the SSIG this past year include:

1. Russell, A., Wainwright M, and H. Mamudu (2015) A Chilling Example? Uruguay, Philip Morris International, and WHO's Framework Convention on Tobacco Control. *Medical Anthropology Quarterly*, 29 (2): 256–277.
2. Russell, A. and E. Rahman (2015) (eds) *The Master Plant: Tobacco in Lowland South America*. London: Bloomsbury. Includes introductory chapter Russell, A. and E. Rahman 'The Changing Landscape of Tobacco Use in Lowland South America' (pp. 1-23).
3. Russell, A. and S. Lewis (2015) Documenting Impact: An Impact Case Study of Anthropological Collaboration in Tobacco Control. *Anthropology in Action*, 22(2): 14–23.
4. Russell A. (2015) Women and smoking in the North East of England. In Bissell J, Caiado C, Goldstein M and Straughan B (eds) *Tipping Points: Modelling Social Problems and Health*, 1st ed. Oxford: Wiley-Blackwell.
5. Kim, K. (2015) 'Smart Smoking' [book in Korean]

Pain

Director: Dr Paul L Chazot (**PC**, SBBS, WRI Associate Director)



Core group members: Dr Amanda Ellison (**AE**, Psychology; WRI Co-Director), Dr Ilona Obara (**IO**, Pharmacy), Dr Boguslaw Obara (**BO**, Computing and Engineering), Professor Sam Eldabe (**SE**, South Tees NHS Trust)

The SIG core group has developed a series of projects with an ultimate aim to create a centre of excellence in pain and pain management. One of the strongest interests of the SIG currently lies in spinal cord stimulation (SCS) research. This stems from work done by **SE** who is a specialist in using SCS to treat patients with prolonged chronic pain problems (See below). Currently, we are developing a unique combination of multi-disciplinary scientific expertise and equipment to address the first main issue of “how to measure pain objectively?” Specifically, we work on a novel objective measure of pain based on an online wireless real time mobility recording device (**BO, PC**) that will allow objective measurement of the effectiveness of SCS and other therapies. The uniqueness of this approach has currently led us to advanced discussions with international corporate leaders in SCS to fund this project (Medronic and St Jude). In addition, we are currently carrying out a study on the changes in functional connectivity in the brain following spinal cord pulse radio frequency stimulation (**AE**). This study is also of a direct interest to Medronic and St Jude.

Our long-term ambition is to establish a state-of-the-art facility for assessment, evaluation, diagnosis and improved understanding of pain sensitivity in humans that would permit rapid, non-invasive and objective identification of changes in human sensory function in diverse pain-related pathologies. Thus, we are working on grant proposals that would allow us utilisation of our methodology in combination with commercially available PATHWAY system (Medoc Ltd) permitting sensory evaluation based on an advanced computerised thermal stimulator for analysis of neurological pain and operating with the current fMRI scanner (**AE**). Taken together, these approaches will allow us to advance our aim of creating a predictive model of efficacy for interventions (e.g. SCS) in different types of pain, taking pathology, morphology, psychological and social factors into account (*Impact Case*).

The Core members of the Pain SIG have been very active in 2015, with multiple high-impact publications, policy documents, grant funding applications and funding successes. Pilot research studies (funded by the WRI and BSI) were performed by the core group members in the summer 2015, which were utilised to provisionally secure funding support from Medronics to develop one of the key impact cases for the SIG, namely “A new objective tool to measure pain in humans using mobility”

On the preclinical science side, we are developing *in vitro* and *in vivo* bidirectional translational models to validate novel targets and mechanisms for RCUK applications, Charity and/or EU (ITN) applications. The SIG has developed new close collaborations with the University of Maastricht and Pfizer Neurosensis (UK) who have overcome methodology deficits in the core group this year, and will continue to act as research partners for future grant applications, both regarding novel device (e.g. SCS) and pharmacological analgesic strategies. This is in development based on work performed by **IO** and **PLC** in the core group. A novel target has been identified by **IO** for improving efficacy and temporal use of opioid analgesics. This has formed the basis for a manuscript and a successful British Pain Society grant secured by **IO** in 2015, currently under review. Further studies are required to strengthen the

evidence base and, importantly, a drug lead and protocol is already available for testing in humans for this novel indication with **SE**. This demonstrates that it has a significant and rapid translational potential (Impact Case).

To continue the SIG public engagement programme that raises awareness and understanding of chronic pain within the general public, we have secured funding to follow on from the success of the six public events in 2012-2014, all recorded and still available for viewing on the SIG dedicated website. We have learned from last year's Public event that only a small proportion of the pain sufferers locally are managed formally by the NHS pain management teams; the majority deal with their pain individually at home and/or with the help of local support groups. Therefore, in 2015-2016 we plan to hold a further public event funded by WRI and BPS in which we utilise the knowledge and experience of local public pain support groups, particularly in the collaboration with South Tees NHS Trust (through our core member **SE**) and Durham & Darlington NHS Trust (with Dr David Laird) to run a public Q&A sessions to develop ideas into how to better manage chronic pain at the community level.

CORE SIG Pain group members Grant applications (in review and secured)

- Improving the Wellbeing of people with Opioid Treated Chronic pain; I-WOTCH (Joint CI with Harbinder Sandhu Warwick University) Total requested £1.8M. Funder NIHR HTA
- Does a screening trial for spinal cord stimulation in patients with chronic pain of neuropathic origin have clinical utility and cost-effectiveness? (TRIAL-STIM Study) Total requested £242K funder RfPB North
- Intelligent Personalised Assistance with Prevention, Diagnosis, Treatment and Management of Diabetes EPSRC Technology grant application: part of the team (PDRA, WG3 Diabetic Neuropathic pain) Total requested £500k EPSRC
- High Frequency Spinal Cord Stimulation (HFSCS): identification of molecular mechanisms underlying neuropathic pain relief. Total requested: £15k The Royal Society
- Can improvements in patient's mobility at 4 weeks post Spinal Cord Stimulation (SCS) predict long term analgesic effectiveness of SCS in Failed Back Surgery Syndrome (FBSS) chronic pain?: A pilot and feasibility study. (Final stages) Total requested: £40k Medronic
- Validating mTOR as a new target for opioid tolerance Total secured: £50k 1 year. British Pain Society
- Histamine and Diabetic neuropathic pain. Visiting Fellowship, from University of Turin, Italy Total secured: £25k, 6 months. University of Turin Fellowship.
- Histamine and Diabetic corneal neuropathy and pain. Total secured: £25k, 6 months. Nanjing Medical University Scholarship fund.
- Plant based Cancer pain therapeutics. Visiting Scholarship, from University of Nigeria, Total secured: £5k, 3 months ISN Scholarship grant
- **PC** was recently elected an Ambassador for the British Pharmacological Society with a funding pot of £500 secured to be used to support the SIG Public Awareness Event relating to "Defining strategies for coping with pain"

Publication exemplars relating to Research, Impact and Policy in the Pain SIG domain

Eldabe, S., et al. (2015). "Dorsal Root Ganglion (DRG) Stimulation in the Treatment of Phantom Limb Pain (PLP)." *Neuromodulation*.

Obara I. et al. (2015) *Pain (in press)*

Eldabe, S., et al. (2015). "The Effectiveness and Cost-Effectiveness of Spinal Cord Stimulation for Refractory Angina (RASCAL Study): A Pilot Randomized Controlled Trial." *Neuromodulation (in press)*

Narendran, R. C., et al. (2015). "The need for and provision of intrathecal baclofen therapy for the management of spasticity in England: an assessment of the Hospital Episode Statistics database." *BMJ Open* 5(6): e007517.

Deckers, K., et al. (2015). "Chronic Low Back Pain: Restoration of Dynamic Stability." *Neuromodulation* 18(6): 478-486;

Organising Care



Directors: Robert McMurray
(Robert.mcmurray@durham.ac.uk)

Paula Hyde (Visiting Professor

DUBS)

David Hunter

(d.j.hunter@durham.ac.uk)

Purpose: The Special Interest Group 'Organising Care' (OCSig) is designed to encourage critical engagement with the effects of organising on care. As such, it is concerned with the organisation of care in its widest sense, pursuing research in areas as diverse as NHS reform, nursing and residential care, bullying, suicide, workplace health, innovations in organised provision, transformational change and new models of care, and determinants of health and well-being.

Activities: Since its launch OCSig has successfully engaged: colleagues from across the university, senior civil servants, local NHS managers, members of the public and academics from across the UK. This past year modest funding has enabled our running: expert residential workshops on methods, panel discussions, seminars, Facebook discussions (<https://www.facebook.com/groups/325287504288211/>), grant writing support (including obtaining a grant from SAMS), conference stream organisation, publication, and networking. Links have also been strengthened with the Centre for Public Policy and Health (CPPH) at DU, the Health Services Research Centre (Manchester University), the Technische Universität Chemnitz in Germany, and University of Eastern Finland.

Highlighted Publications :

Hunter *et al.* (2015). Doing transformational change in the English NHS in the contest of "big bang" reorganisation. *Journal of Health Organization & Management* vol.29 (1) 10-24.

L. McCann, J. Hassard, E. Granter, P. Hyde. "Casting the lean spell: The promotion, dilution and erosion of lean management in the NHS." *Human Relations* (2015) . eScholarID:263644 | DOI:10.1177/0018726714561697

Ward, J & McMurray, R (2015) *The Dark side of Emotional Labour*. London: Routledge.

Dr Robert McMurray

Senior Lecturer in Management

Durham University Business School, University of Durham, UK

Research Monograph

Ward, J & McMurray, R (2016) *The Dark Side of Emotional Labour*. Routledge: London. ISBN 041582904

Peer Reviewed Journal Publications

Linsley, P. Shrives, P & McMurray, R (2015) Consultation in the policy process: douglasian cultural theory and the development of accounting regulation in the face of crisis, *Public Administration* (on-line first).

McMurray, R & Ward, J. (2014) 'Why would you do that?': defining emotional dirty work'. *Human Relations*. 67 (9) 1123-1143.

McMurray, R. (2014) Encouraging the managerial imagination: ethnography, smart phones and novel ways of seeing. *International Journal of Work Organisation & Emotion*. Vol. 6 (1) 24-39.

Matykiewicz, L & McMurray, R (2013) Modern Matron: A "site" for leadership. *Gender in Management* 28 (6) 321-337.

McMurray, R. (2011) The struggle to professionalize: an ethnographic account of the occupational position of Advanced Nurse Practitioners. *Human Relations*, Vol. 64 (6) 801-822.

Ward, J. & McMurray, R. (2011) The unspoken work of general practitioner receptionists: A re-examination of emotion management in primary care. *Social Science & Medicine*, Vol. 72 (10) Pages 1583-1587.

Book chapters

McMurray R (2015) Care as politics: ethics as violence, in Pullen A & Rhodes C (eds) *The Routledge Companion to Ethics, Politics and Organization*. Routledge.

McMurray, R. (2012) Embracing dirt in nursing matters, in Simpson, R.; Slutskaya, N; Lewis, P. & Höpfl (eds) in *Doing dirty work: concepts and identities*. London: Palgrave-Macmillan.

Funding

Stratling, R & McMurray, R. (2016) Excellent group work by design: developing collaborative life-long learning through scaffolding. British Academy of Management. £3463

McMurray, R. & Hyde P. (2014) Managing to Care: Conference Workshop. Society of Advanced Management Studies. £3000

Co-applicant. Knowledge Exchange Networks and SME. (2008) White Rose Consortium. Bid led by Tom Burgess (Leeds) funding 3 PhD students. £21,000

Cheater FM, McMurray R, Leese B, Gill C, Sutcliffe R (2004) What makes a good first contact nurse in primary care. Department of Health. £206,000

Health Policies for Equity in a Glocal World - Revitalizing the health equity agenda

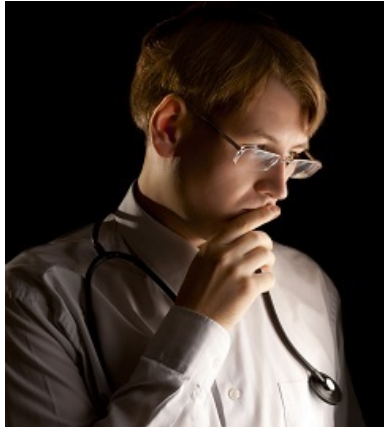
Will reducing health inequalities in the UK become a casualty of post-2010 austerity measures? Seven years after the landmark report of the World Health Organization's Commission on Social Determinants of Health, how can health equity best be kept on the public policy agenda? These are the questions addressed in a three-year series of seminars and mini-conferences, supported by the Economic and Social Research Council with the aim of building an impact-oriented network of researchers and practitioners throughout the North-East and in Scotland. The series was born out of the Special Interest Group on Policies for Health Equity in a Glocal World, led jointly by Wolfson Fellows Prof. Linda McKie (School of Applied Social Science) and Prof. Ted Schrecker (School of Medicine, Pharmacy and Health). Administrative support has been ably provided by Amy Greer-Murphy, a PhD candidate in the Centre for Health Inequalities Research.

The initial mini-conference in Durham (February 2015) featured keynotes by Jennie Popay (Lancaster University) and Peter Goldblatt (UCL Institute of Health Equity). Two seminars have been held. The first, also in Durham, focused on the health impacts of worklessness and included presentations by Clare Bamba (Durham University) and Ann Marie Connolly (Public Health England). The second, in Edinburgh, focused on health inequalities and the texture of everyday life and included presentations on qualitative research by Lisa Garnham (Glasgow Centre for Population Health) and Kayleigh Garthwaite (Durham University). Other high-profile researchers and practitioners who have contributed include Jonathan Bradshaw (Durham and University of York) and Edward Kunonga (Director of Public Health, Middlesbrough). In addition, the SIG presented a seminar on evidence, values and assumptions in public health policy as part of the Institute for Advance Study's 2015-16 programme on the theme of 'evidence'; this allowed us to bring the activities of the SIG and the ESRC seminar series to a wider audience.

The next event will be a mini-conference at the University of York (January, 2016) organised around the question of whether we have become acclimatised to rising inequalities, with a plenary presentation on the topic by Kate Pickett (University of York) and Danny Dorling (University of Oxford), two of the world's leading authorities on inequalities. A workshop on 'neoliberal epidemics' and the politics of evidence will be part of the FUSE international conference on Knowledge Exchange in Public Health in April, 2016, featuring researchers from Durham, the University of York and the University of Liverpool. The conference, themed 'Evidence to impact in

public health', will be co-sponsored by the World Health Organization's Regional Office for Europe. In all, more than 185 participated in series events so far. We will take stock of how best to advance the health equity agenda beyond the series itself after the January event, but plans include a larger research grant; an edited book or journal issue; and a set of policy briefing papers.

Clinical Reasoning



The Clinical Reasoning Special Interest Group (CR-SIG) of the Wolfson Research Institute was established in January 2015. Membership comprises Prof D McLaughlin and Dr G Page (Durham), Dr J Matthan (Newcastle) and Dr A Da Silva (Swansea).

In the early part of the year, the CR-SIG had a series of Skype meetings to discuss research direction, and came together at the Clinical Reasoning in Medical Education (CReME) Group meeting in Cambridge on 21st April 2015. These meetings allowed us to decide on our first major piece of research work, described below.

The CR-SIG's major research effort this year has been to conduct a survey of all 33 UK medical schools, aimed at mapping the delivery and assessment of clinical reasoning-related curricular outcomes set by the General Medical Council. The survey was conducted in June and July 2015 and results were analysed in August and September 2015. Follow-up telephone interviews are due to be conducted with some of the participating medical schools in January/February 2016. Thematic analysis of free-text questionnaire responses and transcripts of telephone interviews will be done in February 2016. A final report on the findings of the survey will be made available to all UK medical schools by the end of the academic year and we expect to be able to disseminate our findings more widely by way of poster and oral presentations at national/international medical education meetings, and submission of manuscripts for publication to peer-reviewed journals.

The members of the CR-SIG also recently led workshops at the first 'open' meeting of the CReME group, coordinated social media responses to the various themes discussed at the meeting, were active members of the organising committee, and continue to run the CReME social media account (@UK_CReME). 71 delegates registered for the meeting, held at York University on 2nd December 2015. This meeting was important in creating a forum in which peers from most of the UK medical schools could come together to discuss this important and topical subject.

Plans for 2016 include dissemination (as noted above) of the findings of the survey of medical schools, hosting a seminar with one of the leading figures within CReME for the benefit of all Wolfson fellows, and staff and students within the School of Medicine, Pharmacy & Health. Given the success of the first CReME meeting, we would also like to consider hosting the 2016 meeting on Queen's Campus and cement the role of the CR-SIG within the debate, research and scholarship around clinical reasoning on a national level.

Filling the Void – the search for new antimicrobial targets and inhibitors



Since the Special Interest Group (SIG) kickoff meeting in 2013, antimicrobials and antimicrobial resistance (AMR) have moved increasingly into the public consciousness. Furthermore, Government and RCUK have now recognized the need for a multi-disciplinary approach to address this most pressing global health issue. As such, Filling the Void is structured to bring together

Biology, Medicine, Pharmacy and Health, and Chemistry to effectively contribute to this effort.

To these ends, in 2015, Filling the Void focused on establishing and developing collaborative efforts to take forward its agenda. In addition to providing a local platform to facilitate interdisciplinary, cross-departmental research, the hosting of invited speakers (UK and Europe) have enabled external facing collaborations to be successfully initiated. It is through exploitation of these opportunities that competitive grant funding applications have been developed and submitted, and REF quality outputs produced. Indicators of this success include:

The visit of Markus Meissner (Glasgow) initiated a research collaboration between Meissner, Paul Denny (Medicine, Pharmacy and Health / Biology) and Ehmke Pohl (Chemistry / Biology). This has led to the award of a significant BBSRC research grant involving all 3 partners - Sphingolipid biosynthesis in the parasitic apicomplexan protozoa: divergent enzymes in key host-pathogen interactions (Apicosphing), £365k to Denny (PI), Pohl (CoI) and Meissner (collaborator).

Steven Cobb (Chemistry) and Fionnuala Lundy (Queen's University, Belfast) have recently been awarded a British Society of Antimicrobial Chemotherapy research grant (£50k) to evaluate the potential of antimicrobial peptides and peptoids to disrupt the bacterial biofilms formed on medical devices. Filling the Void is supporting this new collaborative effort by hosting Lundy in Durham early in 2016.

Wellcome Trust Pathfinder Award, a novel approach to the discovery of antiviral therapeutics against the *Flaviviridae*, £110k to Stuart Cockerill (PI), Jonathon Harburn and Robert Yeo (CoIs). Already the same team (all Medicine, Pharmacy and Health) have submitted another (preliminary) application to the Wellcome Trust Seeding Drug Discovery initiative: Development of potential inhibitors of the replication of Respiratory Syncytial Virus (RSV), value if awarded £1500k.

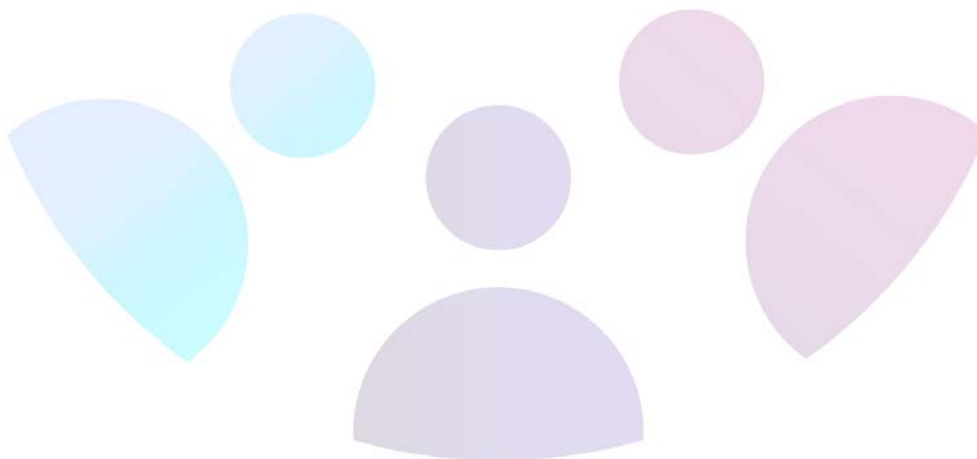
CNPq research grant award lead by Patrick Steel (Chemistry) and Bartira Bergmann (UFRJ Brazil) with Denny (collaborator), new targets for antileishmanials. A 2+2 studentship programme in infectious disease research has also been established with UFRJ.

In addition, in 2015, Filling the Void has supported: a MRC AMR bid lead by Steel with Denny, Pohl and Roger Draheim (Medicine, Pharmacy and Health), and including NHS and industry partners (John Perry, Freeman Hospital; Nick Allenby, Demuris Ltd), reached the final interview stage; a MRC Brazil partnership application from a consortium of Steel, Denny, Pohl and David Berry (Medicine, Pharmacy and Health) with Bergmann, reached the final stage; 2 MRC iCASE applications involving Steel, Denny and Pohl; several collaborative projects leading to IP, and potential REF impact, in the antibacterial field between Perry, Cockerill and Harburn; and numerous REF quality outputs generated, for example:

Joubert F, Yeo RP, **Sharples GJ**, Musa OM, Hodgson DR, Cameron NR. Preparation of an Antibacterial Poly(ionic liquid) Graft Copolymer of Hydroxyethyl Cellulose. *Biomacromolecules*. 2015, Epub ahead of print

Sandoe JA, Barlow G, Chambers JB, Gammage M, Guleri A, Howard P, Olson E, **Perry JD**, Prendergast BD, Spry MJ, Steeds RP, Tayebjee MH, Watkin R. New guidelines for prevention and management of implantable cardiac electronic device-related infection. *Lancet*. 2015, 385:2225-6

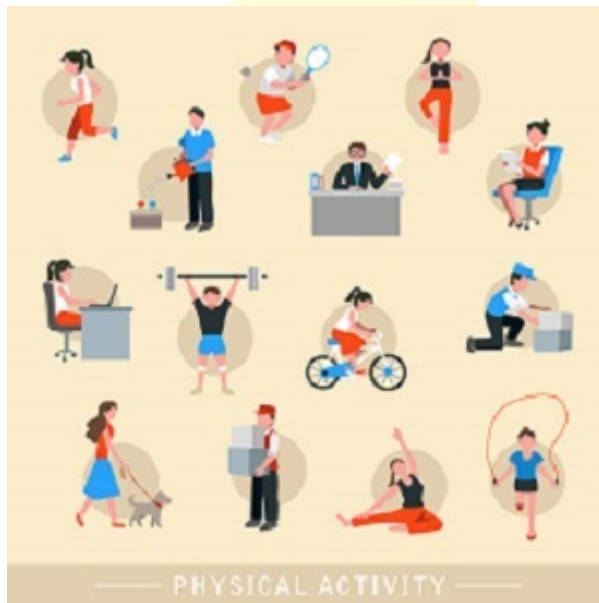
Eggimann GA, Bolt HL, **Denny PW**, **Cobb SL**. Investigating the anti-leishmanial effects of linear peptoids. *ChemMedChem*. 2015, 10:233-7



synergies are envisaged with the ESRC-funded seminar series on revitalising the health equity agenda that is an activity of the SIG on Health Equity in a Glocal World. **Potential themes include: 1) Experiences of stress and inequalities; 2) Biopsychosocial understandings of stress (including health behaviours); 3) Mental health, public mental health and wellbeing; 4) Precarious employment, neoliberal labour market and welfare 'reforms' and stress; 5) Effects of green spaces on stress and wellbeing.**

Physical Activity

Co-Directors: Caroline Dodd-Reynolds, CDR, Emily Oliver, EO, Tessa Pollard, TP on behalf of the group



The physical activity (PA) SIG, was created to formalise and extend fledgling links encompassing public health, sociological, anthropological and exercise science perspectives and is aligned with the Fuse (<http://www.fuse.ac.uk/>) PA special interest group, aiming to enhance the visibility of Durham as a Centre of excellence for PA focused research. The SIG remit is broad, but ultimately focused on PA as a lifestyle behaviour, generating and evaluating evidence for policy and practice concerning community-based lifestyle interventions. The SIG

has multi- and inter-disciplinary expertise to address a range of complex questions from a variety of paradigm perspectives. By working together with our public health, public sector and community partners (present and future) we strive to advance knowledge and understanding of PA in terms of what works, for whom and in what circumstances, and ultimately to create impact through policy change.

The following projects are currently underway, and form the initial focus of the SIG. These themes will continue in 2016 as stipulated in the PA SIG application itself, however updates for each are also provided here:

(i) The use of physical activity/exercise referral schemes within Public Health.

- Paper submitted October 2015: Oliver, E. J., Hanson, C. L., Lindsay, I., Dodd-Reynolds, C. J., (under review/revisions) Exercise on referral: Ambiguity and complexity at the nexus of public health and sport policy. *International Journal of Sport Policy and Politics*.
- Group members have formed and strengthened collaborative links with other institutions, resulting in a successful grant application (EO) to Health and Care

Research Wales, examining the contribution of electronic delivery platforms to exercise referral schemes (£245, 994).

(ii) Understanding the place of walking in women's lives

- This project is under development and will continue through 2016. A systematic review of gender differences in walking patterns is in preparation by Janelle Wagnild and Tessa Pollard as the first component of the project.

(iii) Generating best practice guidelines for physical activity intervention delivery and evaluation – particularly concerning targeting of individuals, measurement of effectiveness, and how to ensure equity in terms of access and population benefit.

- The 5th Fuse Physical Activity workshop, part funded by WRI, was held at Durham on 30th September, 2015. CDR and TP were on organizing committee. CDR was an invited speaker, 'Impact of socioeconomic status on weight-loss efficacy for individuals referred to the Northumberland Exercise on Referral Scheme' along with Steph Morris, a PhD student supervised by TP 'Young people, physical activity and the weight of desirable bodies: tales from an ethnographic study in two youth centres'. CDR and TP led interactive networking workshops comprising speed-dating style sessions between academics and public health service deliverers.
- Research output: Abbas S, Pollard TM, Wynn P, Learmonth A, Joyce K, Bamba C (2015) The effectiveness of using the workplace to identify and address modifiable health risk factors in deprived populations. *Occupational and Environmental Medicine* 72:664-669.
- Members of the SIG, led by EO were also invited to contribute to Durham County Council's Executive Leadership Summit, and have an ongoing role in the development of a new Physical Activity Framework for the region.

Applied Health Research

During 2015 Qualitative health Research group underwent some significant changes. Firstly, in April the group's founder and long-time co-convenor Dr Sally Brown left the University. Sally had been the driving force behind the group for several years and we wish her well for the future, in her new post at Edinburgh.

The group had several successful activities with Hannah Morgan from Lancaster University visiting to talk to the group during the Epiphany term, and the very well established Postgraduate Methods challenge workshop taking place in summer term.

This event drew excellent contributions from three postgraduate students who are all attached to the Wolfson.

The latter half of 2015 and the change of leadership at the Wolfson meant that a major rethink of the groups role and purpose took place, with the group changing its name to "Applied Health Research" the idea being that it will now be a forum for all

doing research into health not just those using qualitative methods. It is hoped this will broaden the group and increase its already excellent interdisciplinary focus and membership.

Conspiracy Theories in Health

Members:

- Dr Jamie Tehrani (PI, Anthropology);
- Dr Andrew Russell (co-I, Anthropology);
- Mr Jo Stubbersfield (PDRA, Anthropology)
- Dr Hannah Brown (Anthropology);
- Dr Claudia Merli (Anthropology);
- Dr Jeremy Kendal (Anthropology);
- Dr Alex Mesoudi (Anthropology);
- Dr Thom Scott-Phillips (Anthropology);
- Dr Emma Flynn (Education);
- Dr Laura Mitchell (Consultant in Sexual Health, New Croft Centre in Newcastle);
- Mr. Michael Sykes (Wolfson Research Fellow);
- Peter Wright (Gateshead Council)

Activities:

Russell and Tehrani held a series of informal meetings with SIG members throughout the academic year to plan develop ideas into a project proposal.

15th April the SIG presented a group poster at the WRI Research Colloquium.

4th June the SIG organised a symposium for SIG members and Dr. Peter Knight (Manchester University) who runs the Comparative Analysis of Conspiracy Theories (COMPACT) project.



Publications:

The collaborations we are fostering are still at an exploratory stage, so have not produced publications yet.

Grant applications:

Tehrani and Russell successfully applied for a £49,500 Society & Ethics Seed Award from the Wellcome Trust to carry out pilot studies in collaboration with other SIG members on 'The Epidemiology of Health Conspiracy Theories'. This work will provide the foundations for a larger-scale interdisciplinary grant proposal in 2017-18.

Global Health

Convenor: Kate Hampshire

Now in its second year, The Global Health Special Interest Group (formed in February 2014) has been successful in its mission to bring together researchers across the University working on (any aspect of) global health, and in linking up with other global health researchers across the wider region through the Global Health North-East Network <http://www.ghnnortheast.org/about>), which we helped to establish. In March 2015, we held another very successful networking event in Durham, which drew researchers from a variety of disciplines from across the North-East and beyond.

We were then successful in bidding for enhanced funding for the SIG to enable us to run small grants competitions for work leading directly to REF-able outputs: major grant applications, peer-reviewed publications and engagement/impact. So far we have awarded one small grant of £1000 to Dr Mark Booth (SMPH), to work towards a major MRC grant application on personalised decision support tools for neglected tropical diseases, plus one £200 networking bursary to Dr Andrew Russell (Anthropology) to develop research collaboration in the area of global health diplomacy. We are now planning our annual symposium event, for March 2016, where we hope to continue showcasing the global health related work that is happening in Durham and facilitate further inter-disciplinary and collaboration within and beyond our university.



A selection of research grants awarded to GH SIG members in 2015:

- **Hampshire, K.** and **M. Castelli**, Wellcome seed grant, £50,000, in collaboration with Universities of Oxford (UK) and Cape Coast (Ghana) and Tanzanian National Institute of Medical Research, to work on trust in medicinal transactions in Sub-Saharan Africa.

A selection of GH SIG members' 2015 publications:

- **Hampshire, K.R.** and B. Simpson (eds). (2015). *Assisted Reproductive Technologies in the Third Phase*. Berghahn: Oxford & New York.
- **Hampshire, K.R.**, G. Porter, S.A. Owusu, S. Mariwah, A. Abane, E. Robson, A. Munthali, A. DeLannoy, A. Bango, N. Gunguluza, J. Milner, (2015). Informal

m-health: How are young people using mobile phones to bridge healthcare gaps in Sub-Saharan Africa? *Social Science and Medicine*, 142: 90-99.

- **Hampshire, K.**, G. Porter, S. Agblorti, E. Robson, A. Munthali and A. Abane (2015). Context Matters: Fostering, Orphanhood and Schooling in Sub-Saharan Africa. *Journal of Biosocial Science*, 47(2): 141-164.
- **T. Schrecker and C. Bamba** (2015). *How Politics Makes Us Sick: Neoliberal Epidemics* (Houndmills: Palgrave Macmillan).
- **T. Schrecker** (2015). Global reach, local depth, and new geographies of metropolitan health. In I. Luginah & R. Bezner-Kerr, eds., *The Geographies of Health and Development* (Farnham, Surrey: Ashgate): 261-279.
- **T. Schrecker (2015)**. Bringing (domestic) Politics Back In: Global and Local Influences on Health Equity. *Public Health* (Elsevier) 129: 843-848; [doi:10.1016/j.puhe.2015.05.007](https://doi.org/10.1016/j.puhe.2015.05.007).
- S. Glasgow and **T. Schrecker (2015)**. The Double Burden of Neoliberalism? Noncommunicable Disease Policies and the Global Political Economy of Risk. *Health and Place* 34: 279-286; [doi.10.1016/j.healthplace.2015.06.005](https://doi.org/10.1016/j.healthplace.2015.06.005).

Culinary Innovation, the Senses and Health



The SIG on Culinary Innovation, the Senses and Health expanded its activities this year with speaking events on culinary innovation and flavour at Durham University and a series of 'flavour master-classes' and impact focused taste workshops in community settings. Key events over the year included an 'eat in the dark' event co-hosted with St Cuthbert's Society with Dr Sue Lewis and research chef Sam Storey. Flavour workshops developed as part of the NIHR funded 'resources for living' project led to several community events that included, in July, a flavour workshop with research chef Sam Storey and Dr Duika Burges Watson. In October, London based flavour expert Rachel Edward-Stuart ran two 'flavour masterclasses' exploring the 'science of deliciousness'. The first was held at Durham University, the second was included as part of the Fringe food event for the Rugby World Cup and held, with 50 participants, at Irvin's Brasserie in North Shields. Presentations under the banner of the SIG included events for head and neck cancer survivors meeting (Sunderland and Newcastle) and on 'foraged and free food' for the Darlington Festival of Thrift.

The SIG has been awarded funding to continue in 2016 and will be rebranded as **Global food, health and well-being**

New research grants:

Burges Watson, DL; Patterson, J Im North East ESRC Societal and Economic Impact Acceleration Fund. The grant holders will work with the Northern Head and Neck Cancer Fund (HANC) to develop resources for living with altered eating difficulties (Successful)

Burges Watson, DL; Roe, M; Haighton, K; Townshend T, Replenishing spaces: exploring opportunities and developing a knowledge base for enhanced food forging BBSRC/ESRC [Resilience of the UK food system in a global context](#) (Under review)

Key Papers:

Burges Watson, DL; Lewis S; Bryant, V; Patterson, J; Kelly, C; Edwards-Stuart, R ; Murtagh, MJ, Deary, V. Altered eating: a definition and framework for assessment and intervention, BMJ (under review)

Schrecker T, Burges Watson DL, Chapter for Elsevier's Food Science Module: Politics for food security and climate changes (invited contribution, forthcoming)

Case study: flavour masterclass

The workshop involved students from Whitley Bay High School who were participating in a local Enquiry Based Learning (EBL) event (picture below –



– Chef Sam Storey exploring taste buds of teacher). All 300 Year 9 students were involved in one of 24 projects – a three day activity in the local community. Our group of 14 spent their three days exploring the senses; this involved a food play workshop, building a raised sensory bed in the local community garden, and talking with the chef and users of New Prospects, a centre for people with learning difficulties, about their experience of food and the senses.

Appendix 1 - Financial Support provided to Centres and Special Interest Groups 2015/16



| | |
|--|---------|
| Centre for Ethics and Law in the Life Sciences | £2,700 |
| Centre for the History of Medicine and Disease | £2,200 |
| Centre for Medical Humanities | £5,000 |
| Filling the Void SIG | £2,000 |
| Organising Care SIG | £500 |
| Physical Activity SIG | £500 |
| Methods in Applied Health SIG | £1,500 |
| It's a Pain SIG | £7,000 |
| Culinary Innovation SIG | £2,000 |
| Sleep Lab | £3,000 |
| Centre for sex gender and sexualities | £2,500 |
| Centre for Health and Inequalities research | £5,000 |
| Centre for Social Justice and Community Action | £5,250 |
| Global Health SIG | £3,900 |
| Stress SIG | £1,000 |
| Centre for Research into Violence and Abuse | £2,000 |
| Clinical Reasoning SIG | £1,000 |
| Total funding allocated | £47,050 |

Appendix 2 – New Fellows in 2015

| | |
|----------------------------|---|
| Dr Andrea Armstrong | School of Applied Social Sciences |
| Dr Toby Breckon | Engineering & Computing Sciences |
| Dr Tamara Brown | School of Medicine, Pharmacy and Health |
| Mr Robert Cramb | School of Applied Social Sciences |
| Dr Helen Gray | CEM |
| Dr Patrick Gray | English |
| Dr Llinos Jehy | School of Medicine, Pharmacy and Health |
| Dr Iain Lindsey | School of Applied Social Sciences |
| Professor Tim May | School of Applied Social Sciences |
| Professor Danny McLaughlin | School of Medicine, Pharmacy and Health |
| Mrs Victoria Menzies | CEM |
| Caitlin Nunn | School of Applied Social Sciences |
| Mr Chris O'Leary | School of Medicine, Pharmacy and Health |
| Dr Gregory Page | School of Medicine, Pharmacy and Health |
| Mrs Valentina Short | School of Medicine, Pharmacy and Health |
| Dr Anisah Tariq | School of Medicine, Pharmacy and Health |
| Professor Cate Whittlesea | School of Medicine, Pharmacy and Health |
| Dr ZhiMin Xiao | School of Education |
| Dr Andrew Stephen McGough | Engineering & Computing Sciences |
| Dr Rebecca Oxley | Anthropology |

Appendix 3 – New Postgraduate Associates in 2015

| | |
|-----------------------|---|
| Hue San Kuay | Psychology |
| Lazaro M Mwandigha | School of Medicine, Pharmacy and Health |
| Olusola Akinbolade | School of Medicine, Pharmacy and Health |
| Katherine Atherton | Psychology |
| Edel McAuley | School of Medicine, Pharmacy and Health |
| Asma Mohamed | School of Medicine, Pharmacy and Health |
| Pamela Mcdonald Kuhne | School of Medicine, Pharmacy and Health |
| Melissa Chaplin | Education |
| Elham Amini | School of Applied Social Sciences |
| Sarah Wieten | Philosophy |
| Janelle Wagnild | Anthropology |
| William Horsley | School of Medicine, Pharmacy and Health |
| Sarah Francis | School of Medicine, Pharmacy and Health |
| Amy Greer-Murphy | Geography |

Appendix 4 – Fellow’s Publications 2015

Dr John Adams

Journal Article

- Sangawi, Sadiq, Adams, John & Reissland, Nadja (2015). [The Effects of Parenting Styles on Behavioral Problems in Primary School Children: A Cross-Cultural Review](#). *Asian Social Science* 11(22): 171-186.

Dr Sarah Atkinson

Journal Article

- Atkinson, S., Foley, R. & Parr, H. (2015). Introduction: Spatial Perspectives and Medical Humanities. *Journal of Medical Humanities* 36(1): 1-4.
- Atkinson, S., Evans, B., Woods, A. & Kearns, R. (2015). ‘The Medical’ and ‘health’ in a critical medical humanities. *Journal of Medical Humanities* 36(1): 71-81.

Edited Works

- Schwanen, T & Atkinson, S. (2015). Geographies of wellbeing. Editorial for special issue of five papers. *Geography Journal*.

Professor Clare Bamba

Journal Article

- Copeland, A., Bamba, C., Nylén, L., Kasim, A.S., Riva, M., Curtis, S. & Burström, B. All in it together? The effects of recession on population health and health inequalities in England and Sweden, 1991 to 2010. *International Journal of Health Services*. 2015;45:3-24.
- Braun, T., Bamba, C.L., Booth, M., Kasim, A. & Milne, E. Better health at work? An evaluation of the effects and cost benefits of a structured workplace health improvement programme in reducing sickness absence. *Journal of Public Health*. 2015;37:138-142.
- Garthwaite, K.A., Collins, P.J. & Bamba, C. Food for thought: an ethnographic study of negotiating ill health and food insecurity in a UK foodbank. *Social Science & Medicine*. 2015;132:38-44.
- Cairns, J., Warren, J., Garthwaite, K., Greig, G. & Bamba, C. Go slow: an umbrella review of the effects of 20mph zones and limits on health and health inequalities. *Journal of Public Health*. 2015;37:515-520.
- Copeland, A., Kasim, A. & Bamba, C. Grim up North or Northern Grit? Recessions and the English spatial health divide (1991-2010). *Journal of Public Health*. 2015;37:34-39.
- Bamba, C., Hillier, F., Cairns, J., Kasim, A., Moore, H. & Summerbell, C. How effective are interventions at reducing socioeconomic inequalities in obesity among children and adults? Two systematic reviews. *Public Health Research*. 2015;3:1.

- van der Wel, K.A., Bambra, C., Dragano, N., Eikemo, T.A. & Lunau, T. Risk and resilience: health inequalities, working conditions and sickness benefit arrangements: an analysis of the 2010 European Working Conditions survey. *Sociology of Health and Illness*. 2015.
- O'Campo, P., Molnar, A., Ng, E., Renahy, E., Mitchell, C., Shankardass, K., St. John, A., Bambra, C. & Muntaner, C. Social welfare matters: A realist review of when, how, and why unemployment insurance impacts poverty and health. *Social Science & Medicine*. 2015;132:88-94.
- Dragano, N., Lunau, T., Eikemo, T.A., Toch-Marquardt, M., van der Wel, K.A. & Bambra, C. Who knows the risk? A multilevel study of systematic variations in work-related safety knowledge in the European workforce. *Occupational and Environmental Medicine*. 2015;72:553-559.

Books

- Schrecker, T. & Bambra, C. *How politics makes us sick: Neoliberal epidemics*. Palgrave Macmillan; 2015.

Dr Nadin Beckmann

Journal Article

- Beckmann, N., Beckmann, J.F., Birney, D. P. & Wood, R. E. (2015). [A problem shared is learning doubled: Deliberative processing in dyads improves learning in complex dynamic decision-making tasks](#). *Computers in Human Behaviour* **48**: 654-662.

Prof Jens F. Beckmann

Conference Paper

- Beckmann, J. (2015), [The prediction of success in an ever-changing world: Assessing cognitive flexibility through dynamic testing](#), *International Conference of the International Association for Cognitive Education in Southern Africa. Personalizing Thinking & Learning in the Conceptual Age*. Cape Town, South Africa Cape Town.

Journal Article

- Beckmann, N., Beckmann, J.F., Birney, D. P. & Wood, R. E. (2015). [A problem shared is learning doubled: Deliberative processing in dyads improves learning in complex dynamic decision-making tasks](#). *Computers in Human Behaviour* **48**: 654-662.
- Beckmann, J.F. (2015). [Commentary - Of quadrants and fish scales: Reflections on new directions in research in child and adolescent development](#). *New Directions for Child and Adolescent Development* **2015(147)**: 127-133.

Professor Vikki Boliver

Journal Article

- **Boliver, V.** (2015). [Why are British Ethnic Minorities Less Likely to be Offered Places at Highly Selective Universities?](#) in Alexander, C. and Arday, J. (eds) *Aiming Higher: Race, Inequality and Diversity in the Academy*. *Runnymede Perspectives* 15-18.
- **Boliver, V.** (2015). [Are there distinctive clusters of higher and lower status universities in the UK?](#). *Oxford Review of Education* **41**(5): 608-627.
- **Boliver, V., Gorard, S. & Siddiqui, N.** (2015). [Will the Use of Contextual Indicators Make UK Higher Education Admissions Fairer?](#). *Education Sciences* **5**(4): 306-322.

Other (Digital/Visual Media)

- **Boliver, V.** (2015). [University admissions data must be made available to academic researchers](#). *Economics of Higher Education* (26 February 2015)
- **Boliver, V.** (2015). [Universities must aim higher on ethnic equality and diversity](#). *The Conversation*
- **Boliver, V.** (2015). [Universities must act collectively to remedy lower offer rates for ethnic minority applicants](#). *Society for Research into Higher Education blog post*
- **Boliver, V & Gorard, S** (2015). [Should students from state schools be given priority access to university?](#). *The Conversation*
- **Boliver, V.** (2015). [Fewer top university offers go to black and Asian students, but UCAS research doesn't explain why](#). *The Conversation*
- **Boliver, V.** (2015). [Are top universities biased against ethnic minority students?](#). *Integration Hub Blog*
- **Boliver, V. & David, M.** (2015). [Funneling funds to elite universities won't guarantee world ranking success](#). *The Conversation*

Dr Mark Booth

Journal Article

- **McCreesh, N., Nikulin, G. & Booth, M.** (2015). Predicting the effects of climate change on *Schistosoma mansoni* transmission in eastern Africa. *Parasites & Vectors* **8**(1): 4.
- **Braun, T., Bambra, C.L., Booth, M., Kasim, A. & Milne, E.** (2015). Better health at work? An evaluation of the effects and cost benefits of a structured workplace health improvement programme in reducing sickness absence. *Journal of Public Health* **37**(1): 138-142.

Dr Lynda Boothroyd

Journal Article

- Vukovic, J., **Boothroyd, L.G.**, Meins, E. & **Burt, D.M.** (2015). [Concurrent parent–child relationship quality is associated with an imprinting-like effect in children’s facial preferences](#). *Evolution and Human Behavior* **36**(4): 331-336.

Dr Hannah Brown

Edited Journal

- **Brown, Hannah & Prince, Ruth** (2015). [Focus on voluntary labour in East Africa](#). *African Studies Review*, 58 (2).

Journal Article

- **Brown, Hannah**, Kelly, Ann H., Marí Sáez, Almudena, Fichet-Calvet, Elisabeth, Ansumana, Rashid, **Bonwitt, Jesse**, Magassouba, N’Faly, Sahr, Foday & Borchert, Matthias (2015). [Extending the ‘social’ Anthropological contributions to the study of viral haemorrhagic fevers](#). *PLOS Neglected Tropical Diseases* **9**(4): e0003651.
- **Brown, Hannah & Prince, Ruth** (2015). Introduction. Volunteer Labour: Pasts and Futures of Work, Development, and Citizenship in East Africa. **58**(2): 29-42.
- **Brown, Hannah & Green, Maia** (2015). [At the Service of Community Development: The Professionalization of Volunteer Work in Kenya and Tanzania](#). *African Studies Review* **85**(02): 63-84.

Other (Digital/Visual Media)

- (2015). [Spotlight: Managing health crises after Ebola](#). *Sci Dev Net*

Dr Mike Burt

Journal Article

- Vukovic, J., **Boothroyd, L.G.**, Meins, E. & **Burt, D.M.** (2015). [Concurrent parent–child relationship quality is associated with an imprinting-like effect in children’s facial preferences](#). *Evolution and Human Behavior* **36**(4): 331-336.
- **Wiedemann, D., Burt, D.M., Hill, R.A. & Barton, R.A.** (2015). [Red clothing increases perceived dominance, aggression and anger](#). *Biology Letters* **11**(5): 20150166.
- Martínez-Castilla, P., **Burt, M.**, Borgatti, R. & Gagliardi, C. (2015). [Facial emotion recognition in Williams syndrome and Down syndrome: A matching and developmental study](#). *Child Neuropsychology* **21**(5): 668-692.
- Robinson, L.J., Gray, J.M., Burt, M., Ferrier, I.N. & Gallagher, P. (2015). [Processing of Facial Emotion in Bipolar Depression and Euthymia](#). *Journal of the International Neuropsychological Society* **21**(09): 709-721.

Dr Joanne Cairns

Journal Article

- Bambra, C., Hillier, F., Cairns, J., Kasim, A., Moore, H. & Summerbell, C. (2015). How effective are interventions at reducing socioeconomic inequalities in obesity among children and adults? Two systematic reviews. *Public Health Research* 3(1): 1.
- Bambra, C, Cairns, JM, Kasim, A, Smith, J, Robertson, S, Copeland, A & Johnson, K (2015). This divided land: An examination of regional inequalities in exposure to brownfield land and the association with morbidity and mortality in England. *Health & Place* 34: 257-269.

Professor Felicity Callard

Journal Article

- Viney, William, Callard, Felicity & Woods, Angela (2015). [Critical Medical Humanities: Embracing Entanglement, Taking Risks](#). *Medical Humanities* 41(1): 2-7.
- Woods, A., Jones, N., Alderson-Day, B., Callard, F. & Fernyhough, C. (2015). [Experiences of hearing voices: analysis of a novel phenomenological survey](#). *The Lancet Psychiatry* 2(4): 323-331.
- Callard, F., Fitzgerald, D. & Woods, A. (2015). [Interdisciplinary collaboration in action: tracking the signal, tracing the noise](#). *Palgrave Communications* 1: 15019.
- Robotham, D., Riches, S.R., Perdue, I., Callard, F., Craig, T., Rose, D. & Wykes, T. (2015). [Consenting for contact? Linking electronic health records to a research register within psychosis services, a mixed method study](#). *BMC Health Services Research* 15(1): 199.
- Fitzgerald, Des & Callard, Felicity (2015). Social Science and Neuroscience beyond Interdisciplinarity: Experimental Entanglements. *Theory, Culture & Society* 32(1): 3-32.

Professor Martin Cann

Authored book

- Townsend, PD, Rodgers, TL, Pohl, E, Wilson, MR, Cann, MJ & McLeish, T C B (2015). [Physical Biology of Proteins and Peptides](#). Springer.

Chapter in book

- Holmes AP, Nunes AR, Cann MJ, & Kumar P (2015). [Ecto-5'-Nucleotidase, Adenosine and Transmembrane Adenylyl Cyclase Signalling Regulate Basal Carotid Body Chemoafferent Outflow and Establish the Sensitivity to Hypercapnia](#). In *Arterial Chemoreceptors in Physiology and Pathophysiology*. 860: 279-289.

Journal Article

- Townsend, P.D., Rogers, T.L., Pohl, E., Wilson, M.R., McLeish, T.C.B. & Cann, M.J. (2015). [Global low-frequency motions in protein allostery: CAP as a model system](#). *Biophysical Reviews* 7(2): 175-182.
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Dr Helen Close

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Tahani Coolen-Maturi

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Mr Robert Cramb

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Professor Sarah Elizabeth Curtis

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Professor Fiona de Londras

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Dr Paul Denny

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Dr Caroline Dodd-Reynolds

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Dr Christine Dunn

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Dr Stephen Dunne

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Dr Alexander Easton

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Dr Katharina Edkins

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Professor Emma Flynn

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Dr Simon Forrest

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Dr Kayleigh Garthwaite

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Prof John Girkin

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Dr Becky Gowland

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Dr Patrick Gray

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Professor Kate Hampshire

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Dr Mary Hanley

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Dr Emily Henderson

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Professor Charles Heywood

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Professor Steve Higgins

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Dr Frances Hillier-Brown

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Dr Claire Horwell

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Professor Ray Hudson

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Professor Pali Hungin

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Professor David Hunter

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Professor Andy Husband

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Professor Karen Johnson

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Dr. Andrew Joyce-Gibbons

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Dr Adetayo Kasim

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Dr Jeremy Kendal

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Dr Bob Kentridge

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Dr Hanne Kinnunen

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Dr Amelia Lake

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Dr Alison Lane

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Dr Jamie F. Lawson

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Dr Susan Lewis

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Prof Steve Lindsay

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Dr Iain Lindsey

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Professor Gordon Love

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Professor Jane Macnaughton

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Professor Holger Maehle

Journal Article

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Dr Morag Mansley

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Professor James Mason

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Miss Kate Mattheys

Journal Article

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Dr Lauren Mawn

Journal Article

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Dr Cathy McClive

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Dr Anthony McGregor

Journal Article

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Mrs Victoria Menzies

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Professor Christine Merrell

Journal Article

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Dr Helen Moore

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Dr Hamde Nazar

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Dr Chris O'Leary

Journal Article

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Professor Maggie O'Neill

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Dr Boguslaw Obara

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Dr Emily J. Oliver

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Professor Rachel Pain

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Professor Joe Painter

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Professor Shaun Pattinson

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Presentation

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Dr Amy Pearson

Journal Article

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Dr Andrej Petrovic

Book review

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Dr Tessa M. Pollard

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Professor Joe Reilly

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Prof Charlotte Roberts

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Professor Corinne Saunders

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Dr Gary Sharples

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Dr Sarah Slight

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Dr Meena Swamy

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Dr Lore Thaler

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Prof Carole Torgerson

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Prof Peter Tymms

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Prof Thomas Ward

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Professor Nicole Westmarland

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Professor Cate Whittlesea

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Dr Tom Widger

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Dr James Wilkes

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Dr Jonathan Wistow

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Dr Angela Woods

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Dr Jun Jie Wu

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Dr Paul Yeo

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