

# Wolfson Research Institute for Health and Wellbeing



---

Annual Report 2016

Reports from Centres and Units .....	3
Centre in Health and Inequalities Research (CHIR) .....	3
Centre for Medical Humanities.....	5
Centre for Public Policy and Health .....	7
The Research Design Service North East (RDS NE) .....	10
Durham Clinical Trials Unit.....	11
Centre for the History of Medicine and Disease .....	11
Durham CELLS (Centre for Ethics and Law in the Life Sciences).....	12
Cognitive Neuroscience Research Unit.....	14
Centre for Medical Education Research .....	15
Evaluation Research and Development Unit (ERDU) .....	16
The Centre for Social Justice and Community Action.....	19
.....	<b>Error! Bookmark not defined.</b>
Centre for Research into Violence and Abuse (CRiVA).....	21
The Parent-Infant Sleep Lab.....	23
Geographies of Health and Wellbeing (GoHWell) .....	25
Centre for Sex, Gender and Sexualities .....	26
Anthropology of Health Research Group .....	27
Postgraduate Associate Scheme.....	29
Special Interest Groups.....	29
Health Equity in a Glocal World: Summary of Activities, 2016.....	31
Clinical Reasoning Special Interest Group .....	32
Filling the Void – the search for new antimicrobial targets and inhibitors .....	33
Physical Activity Special Interest Group .....	34
It’s a Pain Special Interest Group (SIG) 2016. ....	36
Organising Care Special Interest Group.....	38
Stress, health and wellbeing.....	39
Smoking Special Interest Group.....	40
Technology Enhanced Learning (TEL-SIG).....	42
Appendix 1 - Financial Support provided to Centres and Special Interest Groups	

2015/16.....	44
Appendix 2 – New Fellows in 2015 .....	45
Appendix 3 – New Postgraduate Associates in 2015.....	45
Appendix 4 - Wolfson Fellow Publications.....	45



## 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)

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)

#### **Key Projects:**

- Local Health Inequalities in an Age of Austerity: the Stockton on Tees Study
- Health Inequalities in European Welfare States (HiNEWS)
- Community pHarmacIEs Mood Intervention Study (CHEMIST): Feasibility and Pilot Study
- Public Health Football League Table

#### **Key Papers:**

1. Brown, T.J., Todd, A., O'Malley, C., Moore, H.J., Husband, A.K., Bamba, C., Kasim, A., Sniehotta F.F., Steed, L., Smith, S., Nield, L. & Summerbell, C.D. (2016). Community pharmacy-delivered interventions for public health priorities: a systematic review of interventions for alcohol reduction, smoking cessation and weight management, including meta-analysis for smoking cessation. *BMJ Open* 6(2): e009828.
2. Mattheys, K., Bamba, C., Warren, J., Kasim, A. & Akhter, N. (2016) Inequalities in mental health and well-being in a time of austerity: Baseline findings from the Stockton-on-Tees cohort study. *SSM - Population Health*. 2016; 2 : 350-359.
3. Kelly, M, Rae, G., Walker, D., Partington, S., Monaghan, J., Dodd-Reynolds, C. J. & Caplan, N. (2016) Adherence to exercise referral schemes: a retrospective cohort

study of predictors and barriers. *Journal of Public Health*. doi: 10.1093/pubmed/fdw122



***Impact Activities:***

With support from the WRI, work continued around developing Impact Case Study of community pharmacy accessibility, and how this could impact on public health priorities and health inequalities. The outputs from CHIR were used to underpin a national campaign related to the potential cuts in community pharmacy funding. The campaign, entitled Dispensing Health Equality, received significant national media attention and was debated in Parliament.

***Development of Future Projects:***

CHIR also received additional support from the WRI to support future research activities:

***1. Health Inequalities and Physical Activity Symposium (led by Dodd-Reynolds & Oliver)***

Progress: planning is underway to hold a Fuse Physical Activity Symposium, at Durham, in June. Drs. Mark Tully and Ruth Hunter (both from Queen's University, Belfast) will deliver the keynote presentations.

***2. Community Pharmacies and Extreme Weather Events (led by Wistow)***

Progress: recruited key pharmacy stakeholders who will assist in recruiting community pharmacies to the project. Ethical clearance is in the process of being obtained, and the research should be ready to commence in the April 2017.

## Centre for Medical Humanities

### Overview of the year

#### *CMH: Wellcome Trust Centre Application*

2016 was dominated by our application for Wellcome Trust Centre status. This invited application was led by a team of six co-investigators: Jane Macnaughton, Corinne Saunders, Sarah Atkinson, Felicity Callard, Charles Fernyhough and Angela Woods. Our vision, to transform the evidence base for health care by pursuing interdisciplinary research on human experience, was underpinned by six research strands led by each of the Co-Is. It was a huge achievement to reach the interview stage of this highly competitive competition and we were awarded £1 million to continue to develop medical humanities at Durham over the next five years. We are extremely grateful to Centre Affiliates who contributed to the preparation for this application over the course of the last 18 months, especially those who participated in the Wellcome Trust site visit in June 2016. The new award will enable us to facilitate and support critical medical humanities research across the university, including for postgraduate and early career researchers.

### Associated Wellcome-funded projects



**hubbub**

#### ***Hubbub at Wellcome Collection***

Led by Felicity Callard (Geography) *Hubbub* was the first residency at the Wellcome Collection in London. Its aim was to explore the dynamics of rest, noise, tumult, activity and work as they operate in mental health, the neurosciences, the arts and the everyday. It culminated this summer with an exhibition and series of events entitled 'Rest and its Discontents' at the Mile End Art Pavillion in London from 30<sup>th</sup> Sept to 30<sup>th</sup> October. Hubbub also released the results of 'The Rest Test' in collaboration with BBC Radio 4. This was the world's largest survey into the subjective experience of rest with input from 18,000 participants from 134 countries. Reading and being in the natural environment occupied the top two places as the most restful activities in the survey.

<http://hubbubresearch.org/>



#### **Hearing the Voice 2**

Funded by a Wellcome Trust Collaborative Award led by Charles Fernyhough (Psychology) and Angela Woods (SMPH), *Hearing the Voice 2* is now into its second year. Through wide interdisciplinary collaborative research, including work with voice-hearers, the project seeks to provide a better understanding of the experience of hearing a voice in the absence of any speaker. A highlight of this year has been the launch of the exhibition, 'Hearing Voices: suffering, inspiration and the everyday' at Durham's Palace Green Library.



Informed by HtV research the exhibition explores voice-hearing from different cultural, clinical, historical, literary and spiritual perspectives and is accompanied by a full programme of events.

<http://hearingthevoice.org/>



### The Life of Breath

Led by Jane Macnaughton (SMPH) the *Life of Breath* is funded by a Wellcome Trust Senior Investigator Award jointly with philosopher, Havi Carel at Bristol. Its aim is to explore the cultural, literary, spiritual, phenomenological origins of the experience of breathlessness, to raise awareness of this common problem and to contribute to neuroscientific understanding. To that effect we are currently collaborating with [Kyle Pattinson](#), a mountaineer and neuroscientist from Oxford to explore how breathlessness is patterned in brain structures. In addition the project is progressing public and policy engagement. We ran a stall at the University's 'Celebrate Science' event during the school October holiday encouraging young people to experience different ways of using their breath.



A great time was had by all and some lovely 'bubble pictures' were produced by our participants!

### Key publications 2016

- Whitehead A, Woods A, Atkinson S, Macnaughton J., and Richards J., eds. *The Edinburgh Companion to the Critical Medical Humanities*. Edinburgh:

Edinburgh University Press, 2016. The Introduction and chapters by Wellcome-supported researchers are available Open Access.

- **Callard F**, Staines K, Wilkes J. *The Restless Compendium*. Houndmills, Basingstoke: Palgrave Macmillan. The entire book is available Open Access.
- **Rose, A** (2016) 'Breath in the technoscientific imaginary', *Medical Humanities*, doi:10.1136/medhum-2016-010908. Available Open Access

## Centre for Public Policy and Health

### Research

- Department of Health. Improving choices for care: a strategic research initiative on the implications of the Care Act 2014, October 2016 – September 2018, £406,369 (CIs: David Hunter and Bob Hudson)
- North of England Commissioning Support Unit. Evaluation of North East Vanguard Programmes for All Together Better. 2016-2017. £167,000 (PI: David Hunter; CIs: Jonathan Erskine and Bob Hudson).
- Durham University Seedcorn Funding Award, Age-based rationing: research design workshop for comparative study of health systems (PI), October 2016 – January 2017, £12,931 (PI: David Hunter)



- The second year of the Department of Health Policy Research Programme project, Commissioning Public Health Services: the impact of the health reforms on access, health inequalities and innovation in service provision. (PI: Linda Marks; CIs: David Hunter, Shelina Visram; PDRA: Llinos Jehu) was successfully completed and

included a second national survey and extensive fieldwork across ten case study sites across England

(<https://www.dur.ac.uk/public.health/projects/current/cphs>)

### Selected Publications

- B Holmes, A Best, H Davies, DJ Hunter, M Kelly, M Marshall, J Rycroft-Malone (2016). Mobilising knowledge in complex health systems: a call to action. *Evidence & Policy*: 1-21
- DJ Hunter, L Marks, J Brown, S Scalabrini, S Salway, L Vale, J Gray & N Payne N (2016). The potential value of priority-setting methods in public health investment decisions: qualitative findings from three English local authorities. *Critical Public Health* 26(5): 578-587.
- DJ Hunter, L Marks (2016). Health inequalities in England's changing public health system. In: Smith, Katherine E., Hill, Sarah E. and Bambra, C. (eds.) *Health Inequalities: Critical Perspectives*. Oxford: Oxford University Press, pp. 138-48).

- DJ Hunter (2016). *The Health Debate*. Second edition. The Policy Press, Bristol.
- DJ Hunter (2016). Public Health: unchained or shackled? In: Exworthy M, Mannion R and Powell M (eds.) *Dismantling the NHS? Evaluating the Impact of Health Reforms*. Bristol: Policy Press.
- DJ Hunter (2016). Evidence-informed policy: In praise of politics and political science. *Public Health Panorama* 2(3): 268-272.
- DJ Hunter, K Kieslich, P Littlejohns, S Staniszewska, E Tumilty, A Weale, L Williams (2016). Public involvement in health priority setting: future challenges for policy, research and society. *Journal of Health Organization and Management* 30(5):796-808.
- AA Lake, SA Smith, CE Bryant, S Alinia, K Brandt, CJ Seal and I Tetens (2016). "Exploring the dynamics of a free fruit at work intervention." *BMC Public Health* 16(1): 839.
- D McNeill, C Deere Birkbeck, S Fukuda-Parr, A Grover, T Schrecker and D Stuckler (2016) 'Political origins of health inequities: trade and investment agreements,' *The Lancet* (16)31013-3.



- T Schrecker (2016). 'Globalization, Austerity, and Health Equity Politics: Taming the inequality machine, and why it matters,' *Critical Public Health* 26 (2016): 4-13.
- S Visram, M Cheetham, DM Riby, SJ Crossley and AA Lake (2016). "Consumption of energy drinks by children and young people: a rapid review examining evidence of physical effects and consumer attitudes." *BMJ Open* 6(10).

### Engagement and Impact, Appointments and Awards

- To mark the publication of the second edition of David Hunter's book, *The Health Debate* (Policy Press, 2016), Lord Hunt of Kingsheath was guest lecturer at a launch event in February. Philip Hunt is Shadow Deputy Leader

of the House of Lords and Opposition spokesperson on health and his lecture, chaired by Deputy Vice-Chancellor at the time, Ray Hudson, was titled 'Is a Market Based Approach the Only Way Forward for the NHS?'

- A book to which David Hunter and Linda Marks contributed a chapter won first prize in the public health category at the British Medical Association Book Awards 2016. The chapter, 'Health inequalities in England's changing public health system' appears in a collection edited by Katherine Smith, Sarah Hill and Clare Bambra entitled *Health Inequalities: critical perspectives* (Oxford University Press, 2016).
- In July, Public Health Wales published a new report on 10 key areas for future action in public health. Ted Schrecker was a member of the high level expert group that advised on the report's content.
- David Hunter and a colleague from CPPH were commissioned by WHO Europe to design and deliver the first flagship programme on Equity in Health in All Policies (HiAP) for Nordic and Baltic States. The three day event took place at UN City in Copenhagen in June and was attended by 29 senior policy-makers and practitioners from 8 countries.
- Ted Schrecker was invited to deliver a week long course on Global Health Policy and Politics at Universidad Nacional Autonoma de Mexico. The invitation resulted from a visit to Durham by Prof Luis Duran, director of the UNAM/King's College London Centre for Mexican Studies, who is keen to strengthen links between Durham University and UNAM.
- Jonathan Erskine organised and spoke at the 16th European Health Property Network workshop in Madrid in November. The workshop theme was 'Healthcare Infrastructure for a Web of Care' and keynote speakers came from WHO Europe, Spain and the Nuffield Trust in London.
- At the 9th European Public Health Conference in Vienna in November, David Hunter and Shelina Visram presented at a number of sessions. Notable was a WHO organised workshop to present the findings from the mid-term progress report on the impact of the European Action Plan for Strengthening Public Health Capacities and Services. CPPH colleagues contributed to its publication in 2012 and they were commissioned by WHO to conduct the midterm assessment of progress by surveying all 53 member states. The results were reported to the WHO Regional Committee comprising all member states in September and then presented at the EPH conference. Shelina presented on another WHO project which involves a survey of member states to establish a baseline of country capacity to generate, appraise, translate and apply research evidence for health policy-making across Europe.
- David Hunter was invited by WHO in Geneva to take part in a round table discussion on multilateral action for Universal Health Coverage (UHC): the role of the health sector. The event was held to mark the launch of the Health Systems Governance Collaborative as part of the meeting of the International Health Partnership for UHC 2030 hosted by WHO and the World Bank in Geneva in December.
- Over 30 participants from Department of Health (London and Leeds) and PHE attended an internal DH seminar where interim findings were presented

by Linda Marks and Anne Mason for the research project Commissioning Public Health Services: the impact of the health reforms on access, health inequalities and innovation in service provision

- Building on the health system transformation work which CPPH colleagues are undertaking with WHO Europe, and which commenced with a workshop held in Madrid in December 2015, David Hunter was invited to speak at a two day event in December in Washington DC. Hosted by the Inter-American Development Bank, the event was targeted at Latin American countries and designed to support their efforts at health system transformation. David spoke about the developments underway in the UK NHS on new care models and drew on research CPPH colleagues are conducting currently on these models in the North East.

## 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](mailto:rds.ne@nihr.ac.uk) or phone (0191) 334 0826.

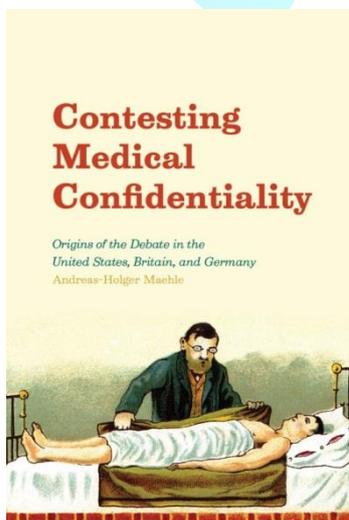


## Durham Clinical Trials Unit

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

Director: Professor Holger Maehle

The CHMD continued to facilitate and conduct research in its core areas, history of medical ethics, history of sexuality and the body, and history of science, and extended activities into the history of psychiatry. As part of an international collaboration with colleagues at the University of Canterbury (New Zealand), the University of New England (Australia), the University of Antwerp, KU Leuven and Maastricht University, Prof. Maehle edited a special issue of the Royal Society journal *Notes*

*and Records* on the history of hypnosis, which will be published in June 2017. Dr Lutz Sauerteig carried out research on the history of sex education in West and East Germany, partly supported by a grant of the Berlin State Library. Dr Cathy McClive was awarded a Mobility Grant from the Fondation Maison des Sciences de l'Homme for archival research on 'Bodies, Surgeons and Expertise in Eighteenth-Century France' and a Leverhulme Small Grant for her project 'Venality and Expertise: Holding Medico-Legal Office in Eighteenth-Century France'. The archival research of McClive, Sauerteig and Maehle was in addition supported by a Wolfson Research Institute Small Grant. Dr Matthew Eddy was an invited Visiting Scholar at the Max-Planck-Institute for the History of Science in Berlin in autumn 2016.

Dr Sare Aricanli introduced her research on the history of Chinese medicine in a CHMD research seminar in March 2016; and in June 2016 a CHMD Workshop on 'New Research in the History of Medicine' was held in Hatfield College, Durham, at which the group discussed work-in-progress presentations with a view to outputs for REF2021. Prof. Maehle's new book on the history of medical confidentiality was published with University of Chicago Press, and in July 2016 he gave the invited opening presentation on this topic at the interdisciplinary British Academy and Royal Society meeting on the governance of data.

#### Selected Publications:

- Maehle, A.-H., *Contesting Medical Confidentiality: Origins of the Debate in the United States, Britain, and Germany* (Chicago and London, University of Chicago Press, 2016).
- Maehle, A.-H., 'Medical Confidentiality in Historical Perspective', in: Royal Society and British Academy (eds), *Connecting debates on the governance of data and its uses* (London 2016), pp. 12-13.
- Sauerteig, L., 'From the fear of conception to the management of sex: birth control in West German sex education', in: L. Niethammer and S. Satjukov (eds), *'Wenn die Chemie stimmt...': Geschlechterbeziehungen und Geburtenkontrolle im Zeitalter der 'Pille'* (Göttingen, Wallstein, 2016), pp. 211-241.

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

Durham CELLS is a University Research Centre with membership spanning Durham Law School and other Departments of Durham University (including, Theology, Philosophy, Biology, Politics, Anthropology, Medicine and Health) and external organizations. Durham CELLS has a particularly close association with the Ethics Institute of Utrecht University due to formal co-operative arrangements between Durham and Utrecht Universities, and is also active in the Matariki partnership to which Durham University belongs.

Durham CELLS was directed in 2016 by Prof. Deryck Beylveeld and Dr Benedict Douglas (Law), with the assistance of PGRs (Deputy Convenors) who

organize an annual PGR Conference: these were Clayton Ó Néill and Sadaf Shariat (until September 2016), and Marianna Iliadou (from October 2016).

The Annual General Meeting was held on Tuesday 25 October, and the Agenda and Minutes are available via the Durham CELLS website (<https://www.dur.ac.uk/cells/erl/>).

In 2015-2016, Durham CELLS had 29 full members (based in and beyond the Law School) and 8 associate members (PGR students) (increased to 12 in 2016-2017).

Durham CELLS receives £1,200 annually from the Law School, and (during 2016) received £2,700 from the Wolfson Institute to support an Horizon 2020 research grant application and £600 from the Wolfson Institute and £1,300 from Durham Law School to support a partly funded ESRC conference). Utrecht University Ethics Institute indirectly provided funding for CELLS activities via a 0.2FTE secondment of Professor Beyleveld to the Ethics Institute, Utrecht).

During 2016, Durham CELLS made two large research grant applications (one to the Swedish Council for research on medical research governance in partnership with Uppsala University and others) and one under Horizon 2020 application (in a project co-ordinated by Utrecht University Medical Centre). Dr. Benedict Douglas has applied for funding from Leverhulme for work on the Frontiers of Human Rights.

Durham CELLS supports research students through its PGR Conference (which was held on 12-13 May, jointly with GLAD, in Hild and Bede College), and (from December 2016) regular informal seminars arranged by the Deputy Convenor. Intellectual Property modules (3<sup>rd</sup> Year LLB and LLM) and a Law and Medical Ethics module (3<sup>rd</sup> year LLB) are offered to Law UGs, and over 30 Law UGs in both 2015-2016 and 2016-2017 chose to do their 3<sup>rd</sup> year dissertation paper in Durham CELLS areas). Durham Law School has designated Durham CELLS activities as a Tier One priority area, to be supported by several new appointments over the next few years. As in 2015, Durham CELLS participated in a Matariki Network Summer School on Medical Law and Ethics in Tübingen. It is likely that the 2017 School will be held in Durham.

In 2016, Durham CELLS hosted two Visiting Scholars: Prof Shu-Mei Tang (Asia University, Taiwan) (Sept 2016 for one year); Prof Li Jianjun (China Agricultural University, Beijing) (Nov. 2016 for 5 months. It was arranged for Prof Michael Blakeney, Western Australia, to visit on a Durham Senior Fellowship (July to Sept 2017), and for Prof. Stefan Ericksson, Uppsala, to visit over 2017-2018

Durham CELLS organized two guest lectures in 2016 and hosted (led by Prof. Richard Goldberg) an ESRC Seminar as part of a seminar series with Keele University on 15 September.

The Wellcome Trust funded Engagement Project led by Prof. Pattinson and Dr Douglas) 'Human Cloning and Stem Cell Research through the Medium of Law'

(begun in 2014) progressed. A conference 'Medicine for Lawyers' was arranged for 21-23 March 2017 (for 250-300 lawyers) with funding from Iodem Health Limited.

Durham CELLS members based in Durham alone published over 25 articles and books, of which the following are amongst the most notable.

- Brazier, Margaret & **Cave, Emma** (2016). [Medicine, Patients and the Law](#). Manchester University Press.
- **Maehle, Andreas-Holger** (2016). [Contesting Medical Confidentiality: Origins of the Debate in the United States, Britain, and Germany](#). Chicago and London: The University of Chicago Press.
- **Pattinson, Shaun D.** & Capps, Patrick eds. (2017). *Ethical Rationalism and the Law*. Oxford: Hart Publishing.
- **James, Simon P.** (2016). [Protecting Nature for the Sake of Human Beings](#). *Ratio* 29(2): 213-227.
- **James, Simon P.** (2016). [Ecosystem Services and the Value of Places](#). *Ethical Theory and Moral Practice* 19(1): 101-113.
- **Lancaster, C.** (2016). [The Acid Test for Biological Science: STAP Cells, Trust, and Replication](#). *Science and Engineering Ethics* 22(1): 147-167.
- **Schrecker, Ted** (2016). [Neoliberalism and Health: The Linkages and the Dangers](#). *Sociology Compass* 10(10): 952-971.

## 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, the CNRU expanded its translational and interdisciplinary base in that last year. Our intervention app for patients who experience visual loss following brain injury ((DREX [www.dur.ac.uk/DREX](http://www.dur.ac.uk/DREX)) is undergoing a clinical trial and is being evaluated by an additional case series. We have also been investigating what the barriers and facilitators are for its uptake by older patients and further disseminating the app in the NHS and beyond which have resulted in continued growth with respect to users of the app. Work for this has included engaging with patients, carers and healthcare professionals via workshops, and resulted in improvements in the app and the materials available to help patients get the most out of it thus transforming their everyday lives. Collaboration with Education has yielded a new avenue whereby we can apply co-learning principles (both with peers and children) for our patients to increase the effectiveness of the intervention further in a more social and fun way. Such is the efficacy of her approach, the principle investigator Dr

Alison Lane, has been invited to become a member of the national Hemianopia Writing Group whose aim is to examine how to get compensatory training used as part of routine clinical practice nationally.

Applying neurocognitive principles to everyday activities has also become a multidisciplinary plank of our work both with respect to the aesthetic and cognitive appreciation of visual art (in association with Digital Humanities) and an investigation into the televisual behaviours and its effect on advertising efficacy in partnership with Channel 4. Such work which seeks to understand human perception and our interaction with the world around us directly informs our multidisciplinary work in collaboration with Computer Sciences relating to brain-computer interfaces in rehabilitation etc.

Members have given invited talks and presented their work at international conferences for quick dissemination and have held workshops for both patients and clinicians related to the DREX app and Progressive Supranuclear Palsy. The CNRU currently supervises 8 PhD students and has four PDRAs.

Connolly, J.D., Kentridge, R.W. & Cavina-Pratesi, C. (2016). Coding of attention across the human intraparietal sulcus. *Experimental Brain Research* 234(3): 917-930.

Smith, D. T., & Lane, A. R. (2016). Working memory enhances target detection in the blind hemifield. *Visual Cognition*, 1-6. doi: 10.1080/13506285.2016.1244137

Smith, D.T., Ball, K., Swalwell, R. & Schenk, T. (2016). Object-based attentional facilitation and inhibition are neuropsychologically dissociated. *Neuropsychologia* 80: 9-16.

## Centre for Medical Education Research

In 2016 the Centre for Medical Education Research (CMER) has continue its research work into various aspects of medical education, with a specific strength in assessing professionalism and predictors of performance and future behaviour in health care professionals from the undergraduate level through to postgraduate registrar. Our work on conscientiousness was extended into the postgraduate arena and the tool was explored in trainee anaesthetists at a local hospital. Our work on predicting future unprofessional behaviour was developed and extended with a national cohort study on international medical graduates registered in the U.K. Funding from the Wolfson Research Institute allowed us to extend our undergraduate work on conscientiousness into Pharmacy undergraduate students to potentially advance the assessment of professionalism in this programme.

Collaborative work with the Medical Education Group at Newcastle University on a Department of Health project (initiated at Durham), the Education Outcomes Framework

project, is still on going. This work has resulted in several conference presentations, as well as reports to the Department of Health.

Overall, in 2016 there have been 14 publications from members of the group, 4 book chapters and 25 conference presentations at national and international medical education conferences.

### TOP 3 RELATED PUBLICATIONS AND PRESENTATIONS

1. **M. A. Sawdon**, K. Whitehouse, G. M. Finn, **J. C. McLachlan**, D. Murray Relating professionalism and conscientiousness to develop an objective, scalar, proxy measure of professionalism in anaesthetic trainees. *BMC Medical Education*. In press.
2. Tiffin P, Paton LW, Mwandigha L, **McLachlan JC**, Illing J. (2016) "Predicting fitness to practise events in international medical graduates who registered as UK doctors via the Professional and Linguistic Assessment Board (PLAB) system: a national cohort study". Submitted to *BMC Medicine*.
3. Tiffin P, Mandigwha L, Paton LW, Hesselgreaves H, **McLachlan JC**, Finn G, Kasim AS (2016) Predictive validity of UKCAT for medical school undergraduate performance: a national prospective cohort study. *BMC Medicine*. 14:140 DOI: 10.1186/s12916-016-0682-7. URL: <http://www.biomedcentral.com/1741-7015/14/140>

### TOP 3 RELATED PRESENTATIONS

1. Illing, J., Corbett, S., **McLachlan, J.**, Hesselgreaves, H., Crampton, P., Tiffin, P., Finn, G., **Sawdon, M.**, **Swamy, M.** & **Kehoe, A.** How can we enhance the transfer of learning into practice? AMEE Annual Scientific Meeting August 2016, Barcelona, Spain
2. Illing, J., **McLachlan, J.**, Hesselgreaves, H., Crampton, P., Tiffin, P., Finn, G., Corbett, S., **Sawdon, M.**, **Swamy, M.** & **Kehoe, A.** How does learning transfer to practice to improve patient safety, clinical effectiveness and the patient's experience? ASME Annual Scientific Meeting July 2016, Belfast. UK.
3. Illing J, **McLachlan J**, Hesselgreaves H, Crampton P, Tiffin P, Carter M, Corbett S, **Sawdon M**, **Swamy M**, **Ikah D**, Finn GM, Swan L, **Page G**, Husband A, **Kehoe A.** A realist synthesis of the evidence linking education and training to patient benefit. ANZAHPE Conference. 19th-23rd March 2016, Perth, Australia.

Evaluation Research and Development Unit (ERDU)

**Policy Research Unit for Cancer Awareness, Screening and Early Diagnosis.** PI Duffy (QMUL). Co-I **Rubin**, Funder: DH Policy Research Programme. £8.5m (Value to Durham to date £438000) January 2010 to December 2018.

The Durham-based projects within this programme have included a qualitative study of non-attenders to the Bowel Scope screening programme and qualitative evaluation of the ACE programme first and second waves.

**ECASS** (Evaluation of a computer aid for assessing stomach symptoms). PI **Rubin**; Joint PIs Neal (Leeds), Walter (Cambridge). Funder: CRUK NAEDI funding stream. £307000. January 2015 to December 2017.

This is a phase 2 trial of a computer aid for GPs to assist in identifying patients at increased risk of oesophago-gastric cancer. An application for a 12 month extension to extend patient recruitment and to study the implementation process in more detail has been provisionally approved by DH as part of the Policy Research Unit's programme of work for 2018 (decision imminent).

**EMPRESS** (Cancer diagnosis via Emergency Presentation: a case-control study) PI Macleod (Hull). Co-I **Rubin**. Funder: CRUK NAEDI funding stream. £347000 (Value to Durham £88,000). October 2015 to September 2018. This study is identifying patients with lung and colorectal cancer who present to secondary care as an emergency in order to characterise their pathway to diagnosis and how it differs from patients referred through the urgent suspected cancer pathway (controls).

**BEST3** Barrett's ESophagus Trial 3 (BEST3): Cluster randomised controlled trial comparing the Cytosponge-TFF3 test with usual care to facilitate the diagnosis of oesophageal pre-cancer in primary care.) PI Fitzgerald (Cambridge). Co-I **Rubin**. Funder: CRUK £1.3m (value to Durham £22,200). March 2016 to February 2019 **Rubin**, with Walter (Cambridge), provides the primary care expertise to this large trial of Cytosponge-TFF3, which is led by Fitzgerald, a world-class researcher in the field of oesophageal cancer diagnosis.

**National Cancer Diagnosis Audit.** Clinical and Academic Lead Rubin. Partners: CRUK, Macmillan, NHS England, Public Health England, RCGP, UCL

This 'audit', which is intended to be a continuous programme, links national cancer registration and HES data with data extracted from GP records to provide detailed insights into the process of cancer diagnosis. It stems from a national audit conducted by the NHS and NCAT in 2010 (Rubin, clinical lead) that has generated 7 publications to date with two more in submission.

**CanTest** (Cancer diagnostic testing in primary care: a paradigm shift for cancer diagnosis). PI Walter (Cambridge) Co-I **Rubin** . Funder CRUK £4.8m. April 2017 to March 2022. The largest award to primary care oncology research ever made by Cancer Research UK.

CanTest is an infrastructural award for an international collaboration that aims to transform the primary care physician's (PCP's) office to a hub of diagnostic excellence. The objectives are to:

- Increase capacity and sustainability of clinical cancer detection research in the UK and internationally;
- Establish an International School for Cancer Detection Research in Primary Care;
- Identify existing and emerging tests, and alternative international models of care delivery related to diagnostic evaluation for cancer and assess their potential for UK use;
- Evaluate the availability, acceptability to patients and PCPs, accuracy, and cost-effectiveness of cancer tests when used in primary care. This includes optimising the use of existing tests, of tests currently used solely in secondary care, and of as yet unused tests.
- Quantify any possible harms arising from increased testing for cancer in primary care, and create strategies to balance harms and benefits.

### Potential 3\* or 4\* publications in 2016

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

Hamilton W, Walter F, **Rubin** G, Neal RD. Improving diagnosis of symptomatic cancer. *Nature Reviews Clinical Oncology* DOI 10.1038/nrclinonc.2016.109

Forrest LF, Sowden S, **Rubin** G, White M, Adams J. Socio-economic inequalities in stage at diagnosis, and in time intervals on the lung cancer pathway from first symptom to treatment: systematic review and meta-analysis. *Thorax* 2016; doi:10.1136/thoraxjnl-2016-209013 1

Walter F, Mills K, Mendonca SC, Abel G, Basu B, Carroll N, Ballard S, Lancaster J, Hamilton W, **Rubin** G, Emery JD. Symptoms and patient factors associated with diagnostic intervals for pancreatic cancer (SYMPTOM pancreatic study): a prospective cohort study. *Lancet Gastroenterology and Hepatology* 2016, doi 10.1016/S2468-1253(16)30079-6

N Hall, L Birt, C J Rees, F M Walter, S Elliot, M Ritchie, D Weller, G **Rubin**. Concerns, perceived need and competing priorities: a qualitative exploration of decision-making and non-participation in a population-based flexible sigmoidoscopy screening programme to prevent colorectal cancer. *BMJ Open* 2016 doi 10.1136/bmjopen-2016-012304

Walter FM, **Rubin** G, Bankhead C, Morris HC, Hall N, Mills K, **Dobson** C, Rintoul RC, Hamilton W, Emery J. Symptoms and other factors associated with time to diagnosis and stage of lung cancer: a prospective cohort study. *British Journal of Cancer* 2015; 112. DOI:10.1038/bjc.2015.30

---

Walter F, Emery J, Mendonca S, **Dobson C, Rubin G** et al. Symptoms and patient factors associated with longer time to diagnosis for colorectal cancer: results from a prospective cohort study. *Br J Cancer* 2016 DOI 10.1038/bjc.2016.221

---

## The Centre for Social Justice and Community Action

### KEY ACHIEVEMENTS: EVENTS, TRAINING AND RESEARCH PROJECTS

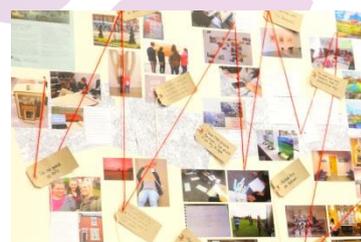
#### New initiatives:

- *Successful bid to Wolfson Research Institute to run a new CSJCA small grants scheme and an international conference in 2016 (£5,250)*
- *Successful new bid to ESRC Impact Acceleration Account (Durham) to run second year of Participatory Research Hub from February 2016 (c. £30,000).*
- *Bid submitted successfully through round 1 for Social Sciences and Humanities Research Council (Canada) grant with University of Victoria, Vancouver, for international training consortium in community-based research.*
- *Fulbright Scholar and Co-Fund Fellow – during Jan-April 2016, Dr Patrick Harman of the Hayden-Harman Foundation and Prof Aila-Leena Matthies, Finland.*



#### Small grants (£500) awarded by CSJCA in 2016, funded by WRI :

- Researcher-artist design workshop, Caitlin Nunn, SASS
- Participatory research in Haringay, Janice Astbury, Geography
- Testing the potential of self-build housing within austerity, Julia Heslop, Geography
- Enhancing engagement and impact of the CSJCA, 2 projects, Dori Beeler, Anthropology
- Recording and reporting on new directions in participatory research ethics, Andrea Armstrong, SASS



#### Training events, seminars and workshops in Durham:

- *Two one-day training events* (Participatory Action Research 1, and Developing Policy and Practice through Participatory Research, Feb & May 2016).
- *Two-day course* on Participatory Action Research for doctoral students and community partners, organised through NE Doctoral Training Centre, 7-8 July 2016.
- 4 Feb 2016 *Issues and Challenges in Participatory and Collaborative Research – Sharing Experiences*, 4<sup>th</sup> Postgraduate Event.
- 4 March 2016 *Participatory Action Research 1: Introduction to PAR*

- 8 March 2016 *Chemical Youth: understanding the chemical lives of young people through participatory action research methods*, Anita Hardon, University of Amsterdam.
- 18 March 2016 *Establishing a Research Partnership*.
- 8 April 2016 *Developing a Participatory Methodology*.
- 22 April 2016 *Open Space for Project Development and Mentoring*
- 10 May 2016 *Participatory Video, Ethics and Decolonizing Research: Retrospective Hyper-Self-Reflexivity, seminar*, Sara Kindon, University of Wellington, New Zealand.
- 11 May 2016 *Digital Storytelling Training Session*, Alex Henry, Curiosity Creative.
- 18 May 2016 *Developing Policy and Practice through Participatory Research*
- 20 May 2016 *Methods in Action: Developing PAR in Post-Conflict Zones*, Zahra Hussain
- 17 June 2016 *How to be Heard? Collaborative Research with Arts & Drama*
- 30 June 2016, *Outreach Youth Social Work in Hong Kong: Social Care or Control?*, Prof Eric Wing Hong Chui, and *Legal Participatory Action Research: Community Approaches to Private Violence*, Prof Kristin Kalsem, USA.
- 7 July 2016, *Dilemmas Café: Using Dialogue to Explore Ethical Challenges in Community-based Participatory Research*
- 8 July 2016, *New Directions in Participatory Research Ethics*, international conference.
- 9 Nov 2016, *'Our streets are numbered' – folk songs on the social housing crisis*, with Ribbon Road band and Carl Joyce, photographer.
- 8 Dec 2016, *Knowledge for Change*, Seminar, Dr Rajesh Tandon, India.

### **Selection of current research projects**

***Disposal – The Housing Crisis in Horden's Numbered Streets*** (2015-16) – investigation of worsening housing crisis in the ex-mining village, Rachel Pain and Durham University Geography students in partnership with Horden Residents' Community Association.

***Christian responses to debt and financial exclusion*** (2015-2016) – action research to enable churches/Christian groups in NE England and London to discuss money issues in their local community and identify collective action for change, Andrew Orton in partnership with the Centre for Theology and Community, funded by the Leech Foundation.

***Imagine: connecting communities through research*** (2013-2017) – large consortium project (£2.2 million) funded by ESRC. CSJCA coordinates a work package exploring one former Community Development Project area in Coventry and two in the North East, with 12 North East community partners, SASS researchers and Sarah Banks as Principal Investigator.

***Promotion of guidelines for headteachers in Malawi and Ghana regarding responsible phone use by pupils and teachers in schools*** ( July-Dec 2016) funded by ESRC GCRF (£15K), follow-on from the ESRC DFID phones study, Gina Porter working with 200 headteachers and Ministries of Education, with contribution from young peer researchers

## SELECTION OF PUBLICATIONS

Lindsey, I. (2016) [Governance in sport-for-development: Problems and possibilities of \(not\) learning from international development.](#) *International Review for the Sociology of Sport*, DOI: [10.1177/1012690215623460](#)

Orton, A. (2016) [Interfaith Dialogue: Seven Key Questions for Theory, Policy and Practice.](#) *Religion, State and Society* **44**(4): 349-365.

Porter, G. (2016) Reflections on co-investigation through peer research with young people and older people in sub-Saharan Africa, *Qualitative Research* DOI: [10.1177/1468794115619001](#)

Russell, A., M. Wainwright and M. Tilson (2016) Means and ENDS – E-Cigarettes, the Framework Convention on Tobacco Control, and Global Health Diplomacy in Action. *Global Public Health*, DOI: [10.1080/17441692.2016.1152284](#).

## PLANS FOR 2016-17

- Seek funding, with support of Development and Alumni Relations Office, to consolidate and develop the work of CSJCA during 2016-17
- Continue to support and promote community-university participatory research partnerships through the Participatory Research Hub
- Develop further training/ support for PhD students, building on course started in 2015
- Develop international networks/partnerships on participatory research ethics and community-based training with the UNESCO Co-Chairs in Community-Based Research.

## Centre for Research into Violence and Abuse (CRiVA)

CRiVA had another busy year in 2016, including the new arrival of baby Otis for the Centre Director Nicole Westmarland. We had two very productive away days, the first focusing on writing for non academic audiences and the second on writing for academic audiences.



Above: Some of the CRiVA members at our away day

Our 10<sup>th</sup> annual conference on sexual violence, funded by Northern Rock Foundation and supported in kind by the Wolfson Research Institute, was held in November 2016 on the topic of 'same sex violence and abuse' and organised by CRiVA PGR Kate Butterworth.

#### Some of our publications are listed below – others are available on our website

- Campbell, F., **Hackett, S.**, Booth, A., Stepanova, E, Sutton, A. (2016) *Harmful sexual behaviour in children: Evidence for identifying and helping children and young people who display harmful sexual behaviour. Review One: Assessment.* London, NICE
- Campbell, F., **Hackett, S.**, Booth, A., Stepanova, E, Sutton, A. (2016) *Harmful sexual behaviour in children: Evidence for identifying and helping children and young people who display harmful sexual behaviour. Review Two: Interventions.* London, NICE
- Jessiman, T., **Hackett, S.**, Carpenter, J. and Patsios, D. (2016) Children's and carers' perspectives of a therapeutic intervention for children affected by sexual abuse. *Child and Family Social Work* DOI: 10.1111/cfs.12322
- **McGlynn, C.**, Downes, J. & **Westmarland, N.** (2016). Seeking Justice for Survivors of Sexual Violence: recognition, voice and consequences. In *Sexual Violence and Restorative Justice*. Keenan, M., Zinsstag, E. & Aertsen, I. Routledge.
- **Westmarland, N.** & Kelly, L. (2016). Naming and defining 'Domestic Violence': lessons from research with violent men. *Feminist Review*, 112(1): 113-127.
- **Bows, H.** & **Westmarland, N.** (2016). Older sex offenders - managing risk in the community from a policing perspective. *Policing & Society*, [Online First].

## Research grants included -

- Evaluation of the Durham Child Advocacy Centre. Funded by Home Office/ Durham Constabulary. £60K
- NICE Evidence scope: children and young people with harmful sexual behaviours. £60K.
- Also core partner in the Home Office funded Barnardo's National Centre of Expertise in Child Sexual Abuse and Child Sexual Exploitation.
- Why do some men take a public stance against men's violence against women, and how can more men be encouraged to do so? British Academy, £10k

## The Parent-Infant Sleep Lab

2016 was a busy and exciting year for the Parent-Infant Sleep Lab. We continued to run and develop our Infant Sleep Information Source (ISIS) website, and promote its latest addition; a co-sleeping image archive, providing high quality, images depicting parent-infant co-sleeping for use by anyone, free of charge, under a creative commons licence.



Helen travelled the globe giving a total of 26 talks about our work in the Lab; was appointed in 2016 as Chair of the Lullaby Trust's Scientific Committee; and led two large multi-million pound funding applications (ERC and ESRC). Charlotte travelled to New Zealand and in so doing was able to catch up with cutting edge SIDS reduction innovation, including the use of the Wahakura and Pepi-pod, the latter of which informed our own 'Bed Box' research in the UK, and the Let's Talk About Sleep projects in The North-East of England and Fife, Scotland, managed by Cassandra Yuill and Catherine Taylor.



We organised study days; hosted several enthusiastic groups of health visiting students in the lab; and were commissioned by the Scottish Government to undertake an ISIS tour of Scotland, providing 8 workshops for health-care professionals, in 4 Scottish cities, over the course of one week! We also held our 4th biennial Sleep Lab Conference: Negotiating Infant Sleep, which was a tremendous success, drawing an international panel of speakers, and over 90 attendees from across the UK.

#### Publications

- Rudzik AE & HL Ball (2016) Baby-lag: Methods for assessing parental tiredness and fatigue. In Leidy-Seivert L & D Brown (Eds) Biological Measures of Human Experience across the Lifespan: Making Visible the Invisible Springer.
- Russell, CK, Volpe LE, Ball, HL (2016) Sudden Infant Death Syndrome. In Alvergne, Faurie & Jenkinson Evolutionary thinking in medicine: from research to policy and practice. Springer.
- Crane, D. & Ball, H.L. (2016). A qualitative study in parental perceptions and understanding of SIDS-reduction guidance in a UK bi-cultural urban community. BMC Pediatrics 16: 23.
- Ball, H., Howell, D., Bryant, A., Best, E., Russell, C. & Ward-Platt, M. (2016). Bed-sharing by breastfeeding mothers: who bed-shares, and what is the relationship with breastfeeding duration?. Acta Paediatrica 105(6): 628-634.
- Cronin-de-Chavez, Anna, Ball, Helen L. & Ward-Platt, Martin P. (2016). Bi-ethnic infant thermal care beliefs in Bradford, UK. International Journal of Human Rights in Healthcare 9(2): 120-134.
- Rudzik, Alanna E. & Ball, Helen L. (2016). 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 20(1): 33-40.

- Collings, P., Ball, H., Santorelli, G., West, J., Barber, S., McEachan, R. & Wright, J. (2016). Sleep duration and adiposity in early childhood: evidence for bidirectional associations from the Born in Bradford study. SLEEP

## Grants

- March 2016 awarded £65,000 from Scottish Government for 'Let's Talk about Sleep' Infant Safe Cosleeping Project in NHS Fife
- May 2016 with CEM awarded £105,228 from EEF (Educational Endowment Foundation) for evaluation of TEENSLEEP
- 2016: £8,800 from the University seed corn fund and £3500 from the WRI for updating the Infant
- Sleep Information Source (ISIS) app
- 2016: WRI Small Grant; £7543. Additional funding for Establishing a baseline reference for normal infant diurnal cortisol - maturation of the HPA axis in breastfed, co-sleeping infants
- 2016: WRI Small Grant; £3950 for Establishing a baseline reference for normal infant diurnal cortisol - maturation of the HPA axis in breastfed, co-sleeping infants

## Geographies of Health and Wellbeing (GoHWell)

Dr Kayleigh Garthwaite published 'Hunger Pains: life inside foodbank Britain' (Policy Press) in June 2016 based on ethnographic research in a Trussell Trust foodbank in Stockton-on-Tees. Kayleigh arranged a launch event for 'Hunger Pains' in Parliament which was hosted by Emma Lewell-Buck MP, who sits on the All Party Parliamentary Group on Hunger. Mrs Lewell-Buck said: "Kayleigh provides a platform for the voices and stories of the people using the foodbanks – in their own words. Her book shows, as the APPG also found, that people use foodbanks for a number of reasons, ranging from immediate crisis in the forms of benefits sanctions or delays, longer term insecurity including fuel poverty, debt and low-paid work and tipping points such as bereavement and funeral costs or job loss."

There has also been extensive media coverage of 'Hunger Pains' since it was published, including two features in The Guardian, and coverage in The Daily Mirror, BBC Radio Tees, Channel 4 News, and BBC Radio 4's Thinking Allowed.

In December 2016, Kayleigh was an invited panellist at a Bristol Festival of Ideas event, 'The Future of Social Justice', with Melissa Benn, Danny Dorling, and Owen Jones.

### Publications

Garthwaite, K. (2016) Hunger Pains: life inside foodbank Britain. Bristol: Policy Press.

Garthwaite, K. (2016) "I feel I'm giving something back to society" constructing the 'active citizen' and responsabilising food bank use. *Social Policy and Society*.

Garthwaite, K. (2016) Stigma, shame and 'people like us' an ethnographic study of foodbank use in the UK. *Journal of Poverty and Social Justice*. 24, 277-289.

## Centre for Sex, Gender and Sexualities

Prof. Maggie O'Neill left the University in April 2016. We are pleased that she remains on the Steering Group of CSGS. The Steering Group unanimously agreed that Dr. Susan Frenk should continue as a Co-Director and that Dr. Simon Forrest should become a Co-Director of the Centre. We have also strengthened our Steering Group this year, welcoming Prof. Fiona Measham, Dr. Stacey Pope, Prof. Veronica Strang and Dr. Santiago Fouz-Hernandez onto the Steering Group.

### Key achievements 2016

**Funded Research:** i) Female Sports Fandom in the North East, Stacey Pope, AHRC, £189,555; ii) Leverhulme Fellowship, Methods on the Move; iii) involved in research student funding applications (e.g. James Todd, Geography); iv) £1200 Mobility grant award to host Prof. Michael Perlin for the Summer School. We also awarded £1000 to Dr. Marc Schacter to undertake archival work in Europe for a REF-related publication: This money was provided by the Wolfson.

**University and Regional Events:** i) SexGen 2016, Masculinities, Sexualities and the Workplace (in collaboration with DUBS); ii) Homage to Bigas Luna (MLAC and Tyneside Theatre); iii) Re-sounding voices: Women, silence and the production of knowledge; iv) Performing migratory identity (in collaboration with Counterpoint Arts); v) Key Change, An Open Clasp production; vi) Afterwork events, including talks regarding #thisgirlcan, the film *Intersexions*, and a talk by Dr. Paul Maginn (University of Western Australia); vi) CSGS supported Durham Pride, led by **Dr. Susan Frenk**.

**Annual Summer School:** Our fourth annual school included international guest speaker Prof. Michael Perlin, alongside Prof. Sue Scott (York), Dr. Gemma Commane (Birmingham City) and journalist Alix Fox (The Guardian). Over 50 people attended, including PGR and ECR from across the UK, as well as PGR students from Europe. This is in collaboration with **St Aidan's College**.

**Sex Education Research Initiative:** With the Sex Work Research Hub moving to University of York, the remainder of £1500 of funding from Wolfson Institute was used to develop a Sex Education Research Initiative. This is being led by **Prof. Simon Forrest**, and St Aidan's college hosted a scoping meeting on July 13<sup>th</sup>, bringing together Durham academics and representatives from a range of professions and stakeholder groups to discuss potential research. The Wolfson has provided further funding for this initiative, and we have hired Emma Dobson (Education) as a postgraduate assistant to aid the working of SERI.

**Select Impact:** McCormack gave oral evidence to Parliament, for the Department of Culture, Media and Sport's Homophobia in Sport inquiry; written submission to the government inquiry into Prostitution, co-authored by O'Neill and signed by CSGS members; associated events with Bigas Luna festival.

### Significant Publications

While members of CSGS published a number of significant articles during 2016, many of which are likely to be submissions for the next REF, we are delighted to showcase here the special issue of *Discover Society* (D39), that was co-edited by Dr. Susan Frenk and Dr. Mark McCormack. All papers in this issue came from papers presented at the 2016 Summer School, with extended contributions from Co-Director Prof. Simon Forrest and Steering Group member Prof. Maggie O'Neill.

<http://discoversociety.org/category/issue-39/>

### Anthropology of Health Research Group

The group continues to thrive and expand, welcoming a new academic appointment in Dr Tom Widger, and new PhD students Fredrik Nyman, Vivien White, Yi-Cheng Wu, Emily Sinclair and Daniel Whitehouse, with funding from the ESRC and the Wellcome Trust. Members of AHRG undertook research on health care and emerging diseases in sub-Saharan Africa (Hannah Brown), including a new project on trust in medicines (Kate Hampshire), reproductive health technologies in Sri Lanka (Bob Simpson), migration and stress in British Bangladeshis (Gillian Bentley), sleep and infant care (Helen Ball and Charlotte Russell), international tobacco control organisations (Andrew Russell), responses to the health challenges of volcanic eruptions (Claudia Merli), gender and walking (Tessa Pollard) and the developmental origins of health and disease (Ian Rickard and Gillian Bentley), amongst other areas.

### Publication Highlights

Begum K, Muttukrishna S, Sievert LL, Sharmeen T, Murphy L, Chowdhury O, Kasim A, Chowdhury O, **Bentley GR** (2016) Ethnicity or environment: Effects of migration on ovarian reserve among Bangladeshi women in the UK. *Fertility and Sterility* 105:744-754.

**Brown H** (2016) Managerial relations in Kenyan health care: Empathy and limits of governmentality. *Journal of the Royal Anthropological Institute* 22:591-609.

**Crane D, Ball HL** (2016). A qualitative study in parental perceptions and understanding of SIDS-reduction guidance in a UK bi-cultural urban community. *BMC Pediatrics* 16:23.

Dhanoya T, Sievert LL, Muttukrishna S, Begum K, Sharmeen T, Kasim A, Chowdhury O, **Bentley GR** (2016) Hot flushes and reproductive hormone levels during the menopausal transition. *Maturitas* 89:43-51.

- McMahon S, Ho L, **Brown H**, Miller L, Ansumana R, Kennedy C (2016) Health care providers on the frontlines: a qualitative investigation of the social and emotional impact of delivering health services during Sierra Leone's Ebola epidemic. *Health Policy and Planning* 31:1232-1239.
- Norman A, Russell AJ, Merli C** (2016) The Quality and Outcomes Framework: Body commodification in UK general practice. *Social Science & Medicine* 170:77–86.
- Rickard IJ** (2016) The Developmental Origins of Health and Disease: Adaptation Reconsidered. In Alvergne, A. et al. (ed.) *Evolutionary Thinking in Medicine: From Research To Policy*. Springer, pp. 75–88.
- Russell A**, Wainwright M, Tilson M (2016) Means and ENDS – e-cigarettes, the Framework Convention on Tobacco Control, and global health diplomacy in action. *Global Public Health* DOI: 10.1080/17441692.2016.1152284
- Russell CK, Volpe LE, Ball HL** (2016) Sudden Infant Death Syndrome. In Alvergne, Faurie & Jenkinson *Evolutionary Thinking in Medicine: From Research to Policy and Practice*. Springer.
- Simpson B** (2016) IVF in Sri Lanka: A concise history of regulatory impasse. *Reproductive Biomedicine and Society Online* 2:5-15.

### External Funding

- Let's Talk about Sleep: Infant Safe Cosleeping Project in NHS Fife. Scottish Government £65,000 (Ball).
- Evaluation of TEENSLEEP (with the Centre for Evaluation and Monitoring). Educational Endowment Foundation £105,000 (Ball).
- Trust and Risk in Medicinal Transactions in Africa. Wellcome Trust £50,000. (Hampshire).

## 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.

## Global Health

Convenor: Kate Hampshire

The Global Health SIG has now been running for three years, as an umbrella group for Durham University staff/students involved in any aspect of 'Global Health' research. Its main purpose has been to enable people to network and know about each other's work, as a basis for collaboration. Together with a similar group at Newcastle University, we established the Global Health Northeast Network, to enable wider networking/collaboration.

In March, we held a day symposium to showcase some of our work bring together members of the group and the wider Global Health NE Network. The symposium was organised by Mark Booth, on the theme of *Emerging threats and challenges in Global Health*. We also ran a small grants scheme for the first time, for work leading to large grant applications.

### Selection of members' current grants

**Hampshire, K.R.** (PI) with M. Castelli (Co-I) Wellcome seed grant on trust in medicinal transactions in Sub-Saharan Africa.

**Lindsay, S.W.** (PI) with K. Hampshire (Co-I). Gates Foundation grant: Sniffing out malaria: using dogs to identify people with malaria parasites.

### Selection of members' top 2016 publications

**Brown, Hannah** (2016). Managerial relations in Kenyan health care: Empathy and the limits of governmentality. *Journal of the Royal Anthropological Institute* 22(3): 591-609.

**Hampshire, K.R.**, G. Porter, et al, (2016). Who bears the cost of 'informal mhealth? Health-workers mobile phone practices and associated political-moral economies of care in Ghana and Malawi. *Health Policy & Planning*, advance online publishing, doi: 10.1093/heapol/czw095.

Ocampo, D. & **Booth, M.** (2016). The application of evolutionary medicine principles for sustainable malaria control: a scoping study. *Malaria Journal* 15(1): 383.

Russell, A., Wainwright, M. & Tilson, M. (2016). Means and ENDS – e-cigarettes, the Framework Convention on Tobacco Control, and global health diplomacy in action. *Global Public Health*

**Schrecker, T.** (2016). Neoliberalism and Health: The Linkages and the Danger. *Sociology Compass* 10/10 (2016), 952–971, 0.1111/soc4.12408

Tusting, L.S., Rek, J.C., Arinaitwe, E., Staedke, S.G., Kanya, M.R., Bottomley, C., Johnston, D., Lines, J., Dorsey, G. & **Lindsay, S.W.** (2016). Measuring Socioeconomic Inequalities in Relation to Malaria Risk: A Comparison of Metrics in Rural Uganda. *American Journal of Tropical Medicine and Hygiene* 94(3): 650-658.

## Health Equity in a Glocal World

### Major events

A mini-conference on 'Have we become acclimatised to greater inequality?' 11 January 2016, University of York (speakers including Kate Pickett and Danny Dorling)

A workshop on 'Neoliberal epidemics and the politics of evidence' at [the third Fuse international conference on knowledge exchange](#), Gateshead, 27-28 April 2016.

A symposium on 'Neoliberal epidemics: Understanding how neoliberalism threatens health, and how to fight back,' [International Society on Priorities in Healthcare conference](#), University of Birmingham, 7-9 September, 2016.

### Other events and presentations

T. Schrecker, 'Neoliberal epidemics,' Public Health and Policy seminar series on Health Systems and Policy, London School of Hygiene and Tropical Medicine, 1 December 2016.

T. Schrecker, 'Lifestyle Drift and the Politics of Stress,' Centre for Public Policy and Health Guest Lecture, Wolfson Research Institute for Health and Wellbeing, 24 November 2016.

T. Schrecker, 'Neoliberal epidemics and health politics for a new Gilded Age,' annual Cost of Living Symposium address, British Sociological Association Medical Sociology Conference, Birmingham, 8 September 2016; published as <http://www.cost-of-living.net/neoliberal-epidemics-and-the-politics-of-evidence/>.

T. Schrecker, 'Was Mackenbach right? Neoliberal epidemics, the new Gilded Age, and the politics of health inequality,' Social and Behavioural Sciences seminar series, Dalla Lana School of Public Health, University of Toronto, 21 March 2016.

### Social Policy Association Annual Conference

In 2018 and 2019 the Social Policy Association Annual Conference will be hosted in Durham. McKie and Schrecker, along with Dr Jonathan Wistow of Applied Social Sciences for the organizing committee. At the conference in July 2018, the 50<sup>th</sup> anniversary of the SPA, there will be workshops on social policy and health issues in the North East. The work on developing these sessions was undertaken in the second half of 2016.

### Key member publications

L. McKie and L. Ryan (eds.), *An End to the Crisis of Empirical Sociology? Trends and challenges in social research* (London: Routledge).

T. Schrecker, 'Neoliberalism and Health: The Linkages and the Dangers,' *Sociology Compass* 10 (2016): 952-971.

T. Schrecker, 'Globalization, Austerity, and Health Equity Politics: Taming the inequality machine, and why it matters,' *Critical Public Health* 26 (2016): 4-13.

## Clinical Reasoning Special Interest Group

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).

The CR-SIG's major effort in 2016 was to complete a study of the teaching and assessment of clinical reasoning-related learning outcomes in the 33 UK medical schools. Whilst survey data had been collected, it was essential to carry out follow-up telephone interviews, perform quantitative and thematic analyses of the responses and submit the report to medical schools. This work was completed and the report was sent to all 33 UK medical schools and posted on the WRIHW website in October 2016 ([available here](#)). To date, the SIG has received positive feedback on the report from seven medical schools. The results of the study have also been written up and submitted to the Annual Scientific Meeting of the Association for the Study of Medical Education (ASME), due to take place in Exeter in June 2017.

The CR-SIG also hosted a seminar on 29<sup>th</sup> June 2016 by Dr Simon Gay of Keele University, entitled "Clinical reasoning: from the classroom to the bedside!!". The seminar was well attended by representatives of the School of Medicine, Pharmacy & Health, the School of Medical Education at Newcastle University, and interested clinicians and clinical academics from around the region.

The major emphasis for the CR-SIG in 2017 will be to ensure that the teaching of clinical reasoning is given appropriate emphasis in the review of the medical curriculum that is currently being undertaken by the Regional Medical School.

### Research outputs

Page GR, Matthan J, Silva AL, McLaughlin DP (2016) Mapping the delivery of 'Clinical Reasoning' in UK undergraduate medical curricula. *Study report sent to all UK medical schools in October 2016.*

McLaughlin D, Silva A, Matthan J, Page G (2017) Mapping the teaching of clinical reasoning in UK undergraduate medical curricula. *Submitted for presentation at the Annual Scientific Meeting of ASME in June 2017.*

McLaughlin D, Silva A, Matthan J, Page G (2017) Mapping the assessment of clinical reasoning in UK undergraduate medical curricula. *Submitted for presentation at the Annual Scientific Meeting of ASME in June 2017.*

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

In the third year of the Filling the Void (FtV) Special Interest Group, infection, antimicrobials and resistance moved even further towards the centre stage of public health concerns. In 2016, supported by increased funding from the Wolfson Research Institute (£4000), and in response to public interest and concern, FtV developed an engagement programme allied to its existing interdisciplinary scientific discovery work.

This included the establishment of a Twitter feed (@FillingV) to maximize outreach of new ideas relating to infection, antimicrobials and resistance. This has already gained >130 followers, many of whom are non-specialists. In addition FtV was instrumental in the organization and financing of a highly successful schools outreach exercise embedded within the international British Society for Parasitology 2016 Autumn Symposium, hosted at Durham in September 2016. More than 100 local GCSE and A level students (including from areas of low participation in higher education) listened to engaging talks on antimicrobial resistance and global health from Dr Richard Bellamy (South Tees Hospitals, Middlesbrough) and Prof Michael Barrett (University of Glasgow). The students also engaged with the Symposium poster session, enjoying conversations with the presenting scientists. A report of this meeting, including the outreach activity, was posted on the BMC BugBitten blog site and has registered >3000 readers – [Bacteria and protozoa:chemistry and biology discussed](#)

In addition to these activities a high quality academic seminar programme was maintained in 2016:

Andrew Jackson (Liverpool) and Fionnula Lundy (Queens, Belfast) talking about protozoan evolution and pathogenicity, and clinically relevant biofilms respectively in April; and Rik van Veen (Cambridge) discussing the importance of drug pumps in antimicrobial resistance in June. Three further speakers are already organized for 2017, covering Neglected Tropical Disease, TB and drug design. This programme provides the backdrop for the interdisciplinary, collaborative work being undertaken within FtV. The outputs of this work include competitive grant funding applications being developed, submitted and awarded, and REF quality outputs produced. Indicators of this success include:

A Royal Society International Collaboration Award. *Designing and Delivering New Antileishmanials*. £360k. Led by Patrick Steel (Chemistry) and Bartira Bergmann (UFRJ, Brazil) with Dave Berry (Pharmacy), Paul Denny (Bioscience) and Ehmke Pohl (Bioscience). Develops initiatives started through a CNPq award to the same team in 2014-15 and supports 4 collaborative PhD studentships.

MRC iCASE. Validating IPC Synthase as an antileishmanial drug target, Denny, Steel and MRC Technology Ltd. £120k to support a PhD studentship.

In addition some other applications remain under consideration: GCRF Capacity Building Application, selected by the University and a full application now submitted to the MRC (£8M, Steven Cobb [Chemistry], Denny and Steel). BSAC (Pohl and

Denny, £50k), BBSRC DTP (Denny and Andrew Jackson [Liverpool], £120k).

Several collaborative projects leading to IP, and potential REF impact, are underway: e.g. in the antibacterial field between John Perry (Newcastle Hospitals), Stuart Cockerill (Pharmacy) and Jonathan Harburn (Pharmacy). In addition numerous REF quality outputs have been generated, for example:

Trepanier, P.....**Perry, JD** *et al* (2016). Carbapenemase-producing Enterobacteriaceae in the United Kingdom: a national study (EuSCAPE UK) on prevalence, incidence, laboratory detection methods and infection control measures. *Journal of Antimicrobial Chemotherapy*, 2016 [Epub ahead of print]

Cross JM.....**Walton, JW** (2016). Pyridylphosphinate metal complexes: synthesis, structural characterisation and biological activity. *Dalton Transactions*, 45, 12807

Osman, D....**Pohl, E** (2016). The Effectors and Sensory Sites of Formaldehyde-responsive Regulator FrmR and Metal-sensing Variant. *Journal of Biological Chemistry*. 291, 19502

## Physical Activity Special Interest Group

Our interdisciplinary Physical Activity SIG comprises members from Anthropology, the School of Applied Social Sciences, Geography, and School of Medicine, Pharmacy and Health. We are aligned to the Fuse (<http://www.fuse.ac.uk/>) physical activity special interest group which comprises members from all five north east Universities. The remit of the SIG is broad, but ultimately focused on physical activity as a lifestyle behaviour, generating and evaluating evidence for policy and practice concerning community-based lifestyle interventions. Key activities for 2016 are outlined here with respect to our current key SIG projects:

### ***The use of physical activity/exercise referral schemes within Public Health***

An expert symposium was held at Durham University in October 2016, hosted by Emily Oliver and Caroline Dodd-Reynolds. Academics and policy makers working in the field of exercise referral travelled to the north east to present their programmes of work and consider how best to move forwards in terms of better scheme design, better access for referrals, issues of sustainability, and staff training. We had representatives from Liverpool John Moores, DECIPHer, UK Active, and the British Heart Foundation National Centre, as well as a number of presenters from our own Physical Activity SIG here at Durham (including early career researchers Coral Hanson, Benjamin Rigby and Nick Walton). It was a day of lively debate, with important identification of common themes which may ultimately help us to target referrals as well as potentially widen access and long-term sustainability for those harder to reach referrals. Based on the day's activities, our ECRs have prepared a 'critical reflections' piece which has been submitted to the Sport and Exercise Psychology Review. SIG members are also preparing an opinion/analysis piece co-authored by members of the symposium; we hope that this will provide a timely 'update' to current national policy guidelines for GPs and other health professionals who are referring patients to exercise programmes on a daily basis.



### ***Understanding the place of walking in women's lives***

A WRIHW small grant was awarded to Tessa Pollard and will be used to support the development of an external grant application to conduct a process evaluation of walking groups for women in deprived areas of the UK. Pilot work commences in February 2017 and will consist of a systematic scoping review and 'go-along' interviews with women on walks.

### **Other activities**

Benjamin Rigby was successful in securing an ESRC DTC 1+3 scholarship, framed around physical activity policy. Ben, who returned to Durham to begin his MA in October 2016 (supervised by Emily Oliver and Caroline Dodd-Reynolds) wrote about his research intentions for the Fuse Open Science Blog

<http://fuseopenscienceblog.blogspot.co.uk/2016/10/a-nation-stood-still-for-25-years-can.html>

Nick Walton was similarly successful with an ESRC DTC studentship (outside of the SIG) but we feel his hard work should be acknowledged here! Nick has also been working hard over the past year to publish an economic evaluation carried out in partnership with Public Health, Durham County Council: Walk4Life was shown to be effective as a health intervention for increasing participants' overall physical activity and estimated to be a cost-effective intervention with a positive return on investment. An abstract for a paper presenting these results alongside an exploration into the process of gathering this evidence has been accepted for the special Fuse issue of the Journal of Public Health.

Emily Oliver and Rob Cramb were successful in a bid to the HEFCE Newton Fund, which will help in developing and building research into sustainable health promotion systems in Sri Lanka. They will work in collaboration with colleagues from the Faculty of Medical Sciences, University of Sri Jayewardenepura Sri Lanka.

### **Publications**

Kelly, M, Rae, G., Walker, D., Partington, S., Monaghan, J., Dodd-Reynolds, C. J. & Caplan, N. (2016 advance e-pub) Adherence to exercise referral schemes: a

retrospective cohort study of predictors and barriers. *Journal of Public Health*. doi: 10.1093/pubmed/fdw122

Oliver, E. J. Hanson, C. L., Lindsay, I., Dodd-Reynolds, C. J (2016). Exercise on referral: Ambiguity and complexity at the nexus of public health and sport policy.

*International Journal of Sport Policy and Politics*. doi: 10.1080/19406940.2016.1182048

Oliver, E.J., Hudson, J. & Thomas, L. (2016). Processes of identity development and behaviour change in later life: Exploring self-talk during physical activity uptake.

*Ageing and Society* 36(07): 1388-1406.

## It's a Pain Special Interest Group (SIG) 2016.

**Core group: Paul L Chazot (Biosciences), Amanda Ellison (Psychology), Ilona Obara (Pharmacy), Boguslaw Obara (Computing Sciences), Sam Eldabe (S Tees NHS Foundation Trust) website: <https://www.dur.ac.uk/wolfson.institute/sig/pain/>**

28 million people in the UK are reported to be living with persistent pain. With no definitive cure available people are encouraged to self-manage their long term condition of pain with limited success. Our Special Interest Group is attempting to help to ameliorate this growing health and wellbeing problem by applying various multidisciplinary approaches (including, importantly, taking and acting upon input from chronic pain sufferers themselves). The SIG is divided equally between hard core scientific research (defining what pain is, new objective ways to measure pain and new strategies to improve persistent pain management) and public engagement with pain sufferers, with growing examples of cross-over where the latter activity is informing the former and vice versa.

*Public engagement activities in 2016:* a Public event focussed on strategies for coping with pain (<https://www.youtube.com/watch?v=YazQ4jNLR30>) took place in June. This has led to an ongoing national study to address the key questions arising from this event. This event format will form part of the Festival of Neuroscience Public Engagement series in Birmingham (April 2017) (<https://www.eventbrite.com/e/how-do-you-cope-with-persistent-pain-tickets-29846531780>), to gain further insights into the key issues raised by pain sufferers & carers and novel potential ways of improvement.

*SIG preclinical and clinical Research activities in 2016:* the SIG has established a strong link with the international company Medtronic, who are world-leaders in implant stimulator technologies for refractory pain management, and we are working with them to optimise this methodology as only a third of current recipients receive benefit. Why this is so is also a key fundamental question we are attempting to address. The basic science component is currently funded by the Royal Society (Ilona Obara). The Pain Management Plan (PP) is a brief cognitive behavioural therapy (CBT) self-management programme for people living with persistent pain that can be individually facilitated or provided in a group setting. Jo Quinlan (Affiliate member, Durham & Darlington NHS Foundation Trust) has recently demonstrated clinically significant improvement in pain and health function, and high patient appreciation results, emphasising the potential of PP within a stratified care pain

pathway [1]. We are also currently establishing the first UK Opioid network to define and address major and growing issues with the overuse of this drug class in the persistent pain patient cohort. This is a multidisciplinary network hosted by the Durham WRIHW comprising academics, primary care, secondary care, pharmacy, social science, and frontline pain management practitioners, with a core group spanning the UK. Associated with this network from the science point of view, Ilona Obara has identified a novel (and viable) new use for an existing drug to extend the utility of Opioid based drugs, reducing the risk of tolerance and dependence for persistent pain sufferers (funded by British Society of Pain). We are also working with the company Ziarco/Novartis to validate a novel pharmacological strategy to treat chronic pain based on 21<sup>st</sup> century anti-histamines [2]. Recently, Sam Eldabe has published a string of seminal high-impact clinical publications relating to intrathecal drug delivery and neurostimulation protocols for treating chronic pain [3].

Selected 2016 publications:

1. Independent validation of the Pain Management Plan in a multi-disciplinary pain team setting *British Journal of Pain* 2016, Vol. 10(4) 168–176
2. Histamine in diabetes: Is it time to reconsider? *Pharmacol Res.* 2016 Sep;111:316-24.
3. Intrathecal drug delivery systems for the management of chronic non-cancer pain: protocol for a systematic review of economic evaluations. *BMJ Open.* 2016 Jul 15;6(7):e012285.

#### **Selected Publications 2016:**

Deer, T. R., et al. (2017). "The Polyanalgesic Consensus Conference (PACC): Recommendations on Intrathecal Drug Infusion Systems Best Practices and Guidelines." *Neuromodulation*.

Miller, J. P., et al. (2016). "Parameters of Spinal Cord Stimulation and Their Role in Electrical Charge Delivery: A Review." *Neuromodulation* 19(4): 373-384.

Eldabe, S., et al. (2016). "The Effectiveness and Cost-Effectiveness of Spinal Cord Stimulation for Refractory Angina (RASCAL Study): A Pilot Randomized Controlled Trial." *Neuromodulation* 19(1): 60-70.

Eldabe, S., et al. (2016). "Comparison of the Effects of Intermittent Boluses to Simple Continuous Infusion on Patients' Global Perceived Effect in Intrathecal Therapy for Pain: A Randomized Double-Blind Crossover Study." *Pain Med*.

Eldabe, S., et al. (2016). "Complications of Spinal Cord Stimulation and Peripheral Nerve Stimulation Techniques: A Review of the Literature." *Pain Med* 17(325-336).

Duarte RV, L. T., Raphael JH, Sam Eldabe and Lazaros Andronis (2016). "Intrathecal drug delivery systems for the management of chronic non-cancer pain: protocol for a systematic review of economic evaluations." *BMJ Open* 6(doi.10.1136/bmjopen-

2016012285).

Duarte, R., et al. (2016). "Intrathecal drug delivery for the management of pain and spasticity in adults: an executive summary of the British Pain Society's recommendations for best clinical practice." *Br J Pain* 10(2): 67-69.

Brookes, M. E., et al. (2016). "Ziconotide Monotherapy: A Systematic Review of Randomised Controlled Trials." *Curr Neuropharmacol*.

Pini A, **Obara I**, Battell E, Chazot PL, Rosa AC. *Pharmacol Res*. 2016 Sep;111:316-24. Histamine in diabetes: Is it time to reconsider?

**Obara I**, Nielsen M, Jeschek M, Nijhof A, Mazzoni CJ, Svitek N, Steinaa L, Awino E, Olds C, Jabbar A, Clausen PH, Bishop RP. *Immunogenetics*. 2016 May;68(5):339-52.

Mangione AS, **Obara I**, Maiarú M, Geranton SM, Tassorelli C, Ferrari E, Leese C, Davletov B, Hunt SP. Nonparalytic botulinum molecules for the control of pain. *Pain*. 2016 May;157(5):1045-55.

#### **Selected successful Grants 2016**

Co-Investigator: HTA I-WOTCH Study, 1.3M, Co-Investigator: TRIAL STIM RfPB 264K, Principle Investigator: Royal Society 50k, Principle Investigator: British Pain Society 50k

#### **Organising Care Special Interest Group**

Dr Robert McMurray [Robert.mcmurray@durham.ac.uk](mailto:Robert.mcmurray@durham.ac.uk)

Professor Paula Hyde. Visiting Professor DUBS

Professor David Hunter. [d.j.hunter@durham.ac.uk](mailto:d.j.hunter@durham.ac.uk)

**Purpose** - The Special Interest Group 'Organising Care' 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. We are interested in better understanding how the act of organising people, professions, services, resources, regulation, ideas, procedures and processes fundamentally effects experiences of caring and being cared for.

**Key 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 Europe. This past year has included: an advanced workshop on the use of visual methods in research for ECRs; work on a book for Routledge on Critical Perspective of Health & Social Care with colleagues across the EU & Australia; the delivery of workshops and consultancy

reports on organisational pain and toxicity for the Department of Health, and; funding (£4000) for a scoping review of merging work teams through organisational restructuring for the Department of Health.

### **Key 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 (2016) *The Dark side of Emotional Labour*. London: Routledge

**FACEBOOK:** <https://www.facebook.com/groups/325287504288211/> (or type OCSig)

## **Stress, health and wellbeing**

Lead: Dr Emily Henderson

The relationship between stress and health has been studied widely for decades in fields such as psychiatry, cardiology, human biology, non-human biology, endocrinology, and increasingly in epidemiology and genetics. Stress has a biological basis (i.e. can be measured via hormones), which impacts our psychological states in a range of ways (e.g. the ‘flight or fight’ response), and is often mediated by our

social and physical. The last two decades have also seen expanded research interest in health inequalities, and the role of stress as mediating factor in the link between inequalities and ill health invites further investigation. The WRIHW provides an excellent environment to carry out these investigations, given the need for understandings of stress that cross disciplinary boundaries, and the range of relevant research being undertaken across the University.

SIG 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) Socio-ecological effects on stress, health and wellbeing.

Over 2016, the SIG's first year of activity, the aim was to build a larger network and start discussions for collaboration. We carried out a range of activities and increased the original membership and network, engaging with researchers and students across the University, as well as regionally and nationally, and practitioners in health policy and practice, in particular Public Health England's mental health division:

- Stress, health and wellbeing SIG Colloquium - 23 February 2016
- North East England Health Summit: Inequalities-Related Stress Event - 28th June
- Presentation of preliminary findings from a systematic review on complex systems approaches to reducing weight stigma: 'Putting public perspectives at the heart of Whole Systems Approaches to Obesity: Ways to engage and to reduce weight stigma'. UK Congress on Obesity, Nottingham University – 30 September [Allison Norenberg, Emily Henderson, Jo Cairns, Erica Gadsby]
- Guest Lecture with the Centre for Public Policy and Health's MSc in Public Policy and Global Health seminar: The Biology of Inequality - Understanding the biological pathways linking social and economic circumstances and health by Tony Robertson, Lecturer in Public Health, Faculty of Health Sciences & Sport, University of Stirling 20th October
- Lecture with the Centre for Public Policy and Health's MSc in Public Policy and Global Health seminar: Lifestyle Drift and the Politics of Stress by Professor Ted Schrecker, Professor of Global Health, Durham University - 24th November

## Smoking Special Interest Group

### Activities

Members of the Smoking Special Interest Group (SSIG) have undertaken the following activities in 2016-17:

1. A paperback version of the edited volume *The Master Plant: Tobacco in Lowland South America* was published. This was based on July 2013 symposium organised by

Dr Andrew Russell and Dr Elizabeth Rahman (Oxford), funded by a small grant from the WRI.

2. Dr Andrew 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. A proposal and sample chapter is under consideration by Duke University Press.

3. Dr Andrew Russell and Dr Megan Wainwright's article 'Means and ENDS – E-Cigarettes, the Framework Convention on Tobacco Control, and Global Health Diplomacy in Action' was published by the journal *Global Public Health*.

4. Dr Andrew Russell secured a WRI-funded Global Public Health SIG networking grant (£200) as well as a Centre for Medical Humanities small grant (£982) for Wellcome bid and COP7 preparatory development work which took place in Geneva in May 2016.

5. Dr Andrew Russell was guest speaker/presenter of full afternoon workshop at the Graduate Institute, Geneva's Executive Training Course on Global Health Diplomacy, invited by Prof. Ilona Kickbusch (June 15th-17th 2016). The case study used in this session was the debate on e-cigarettes which was the topic of the *Global Public Health* article. He subsequently presented the same case study at the University of Amsterdam's symposium 'New social forms and Health' on the invitation of Prof. Anita Hardon, June 23-24 2016.

6. Dr Andrew Russell and Dr Megan Wainwright obtained seedcorn funding from Durham University (£3910) to progress development of the Wellcome Trust seed award application 'Global Health Diplomacy and the Implementation of the FCTC'.

7. Dr Andrew Russell and Dr Megan Wainwright attended the 7th Conference of the Parties (COP7) to the FCTC (Greater Noida, India, November 2016) where we undertook fieldwork that involved organising an 'FCTC Futures Wall' as well as observing and recording debates on current issues in plenary and committee sessions to which we had access due to our affiliation with the Framework Convention Alliance, the umbrella consortium of NGO organizations that forms a major part of 'civil society' representation at the COPs.

8. Dr Andrew Russell and Dr Megan Wainwright updated the six-authored Framework Convention Alliance collective publication *The FCTC Conference of the Parties: A Guide for Beginners*. This was published in French as well as English, and was used in briefing sessions for FCA members attending COP7.

9. Dr Frances Thirlway has continued to undertake part-time participatory action research work on a Durham County Council funded Wellbeing for Life project, which was renewed in September 2015.

10. Dr Kwanwook Kim has been writing up his PhD based on a year working in Seoul Digital Complex with female call centre workers. His research is presented on his blog, <http://anthrokiminkorea.blogspot.kr/>.

11. It has been the second Durham year of the Wellcome Trust Senior Investigator Award 'Life of Breath' project led by Prof Jane Macnaughton (with Prof Havi Carel in Bristol). 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 is working as PDRA jointly between Anthropology and the CMH on

the project, and in 2016 we appointed Fredrick Nyman to undertake PhD research for the project.

12. Dr Rebecca Oxley and Dr Andrew Russell organised two Durham-based symposia under the auspices of the Life of Breath project. One was the two-day 'Breathing in Context – historical and cross-cultural perspectives on breath', March 8-9th 2016; the second was 'Exposure: Interdisciplinary perspectives on breath, air and atmospheres' at the Association of Social Anthropologists' 2016 Conference. They have submitted a special issue proposal 'Interdisciplinary perspectives on breath, breathing and breathlessness' based on submissions to these two events, which is currently under consideration by editorial board of *Body and Society*.

13. Prof Marewa Glover (Massey University, New Zealand) gave a public lecture 'A Tobacco Free New Zealand by 2025? Reflections of a frontline activist' as part of the 'Breathing in Context' Symposium on March 9<sup>th</sup> (National No Smoking Day).

14. Dr Andrew Russell submitted book chapter 'Imagine a World Without Tobacco: Utopian visions and collaborative research in public health', for Ruy Blanes and Maité Maskens (eds) *Utopian Encounters: Anthropologies of Empirical Utopias*, (Ralahine Utopian Studies Series), Oxford: Peter Lang.

15. Dr Russell continues as FUSE representative on the Making Smoking History in the North East partnership board, and has continued to be a member of the Smoke Free Durham local alliance. He has championed several smoking cessation and tobacco control initiatives within the University working in collaboration with Solutions4Health, the company now responsible for delivering County Durham's stop smoking services.

### **Publications**

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

Russell, A., M. Wainwright and M. Tilson, Means and ENDS – E-Cigarettes, the Framework Convention on Tobacco Control, and Global Health Diplomacy in Action (2016) *Global Public Health*, DOI: 10.1080/17441692.2016.1152284 [Open Access].

Russell, A. (2016) Review of G.L. Fox (2015) *The Archaeology of Smoking and Tobacco*. *Journal of the Royal Anthropological Institute*, 22(2): 437-8 [Open Access].

## **Technology Enhanced Learning (TEL-SIG)**

### **Peer reviewed journals:**

Joyce-Gibbons, A., Galloway, D., Mollé, A., Mgoma, S., Pima, M., & Deogratias, E. (2017), *Mobile phone use in two secondary schools in Tanzania*. *Education and Information Technologies*, 1-20.

McNaughton, J., Crick, T., Joyce-Gibbons, A., Beauchamp, G., Young, N., & Tan, E. (2017), *Facilitating collaborative learning between two primary schools using large multi-touch devices*. *Journal of Computers in Education*, 1-14.

### **Peer reviewed Conferences (posters):**

Joyce-Gibbons, A., McNaughton, J., Tan, E., Young, N., Beauchamp, G. and Crick, T., (2017) *SynergyNet into schools: Facilitating Remote Inter-Group Collaborative*

*Learning Using Multi-touch Tables, in Making a Difference: Prioritizing Equity and Access: Computer Supported Collaborative Learning (CSCL) 2017*

Tan, E., Joyce-Gibbons, A. and Loughlin, E., (2017) *Developing student-led research: Customer, consumer, colleague, collaborator* in EARLI 2017 Tampere, Finland

### **TEL-SIG projects:**

**SynergyNet project:** preliminary pilot data collection was completed in June 2016. This successfully proved the technology was stable and learners in two primary schools could collaborate simultaneously with each other. One article has already been published and more are planned. Current focus is on developing a Leverhulme grant application to be submitted by the end of April and on a subsequent round of data collection in June/July 2017.



**Synergynet software supporting simultaneous collaboration in two schools, 300 miles apart.**

**DREX project:** the software has been redesigned to allow collaboration by 2 users on a large screen rather than a single user on a tablet. Data collection is to start April/May 2017 with dyads of stroke survivors. The initial plan of pairing adults and children has proved too logistically problematic for early stage research but will be revisited at a later date.

**Pokemon Go!/Mobiles in Transition:** Data collection took place in October 2016. Rather than engage students as temporary employees they were offered the opportunity to train as participant researchers as part of an academic skills programme within the university. This was very well received by the students. A conference poster has been accepted and a journal article will be submitted shortly. The next stage of funded research will be an inter-university comparison of transition practices to be conducted in October 2017.

**Overall summary:** This has been a period of intense activity for members of the TEL-SIG. Three research projects have been established. These continue to progress despite considerable difficulties caused by the movement of key personnel to other institutions. Nevertheless, TEL-SIG remains active and continues to build links within the university. Forthcoming projects include collaborations between Education and Computer Science (music making and computational skills) and between Education

and Archaeology (developing digital archaeological research tools for young learners). TEL-SIG input has been solicited into the design of the new Learning and Teaching Centre, a key part of the new academic and estates strategy for the university.

## 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 2015/16

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 2015/16

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 – Wolfson Fellow Publications 2016

**Dr Nasima Akhter**

### Journal Article

- Mattheys, K., Bamba, C., Warren, J., Kasim, A. & Akhter, N. (2016). [Inequalities in mental health and well-being in a time of austerity: Baseline findings from the Stockton-on-Tees cohort study](#). *SSM - Population Health* **2**: 350-359.
- Nazar, H., Brice, S., Akhter, N., Kasim, A., Gunning, A., Slight, S.P. & Watson, N. (2016). [New transfer of care initiative of electronic referral from hospital to community pharmacy in England: a formative service evaluation](#). *BMJ Open* **6**(10): e012532.

**Dr Ben Alderson-Day**

### Journal Article

- Moseley, Peter, Alderson-Day, Ben, Ellison, Amanda, Jardri, Renaud & Fernyhough, Charles (2016). [Non-invasive Brain Stimulation and Auditory Verbal Hallucinations: New Techniques and Future Directions](#). *Frontiers in Neuroscience* **9**: 515.
- Wilkinson, S. & Alderson-Day, B. (2016). [Voices and Thoughts in Psychosis: An Introduction](#). *Review of Philosophy and Psychology* **7**(3): 529-540.
- Alderson-Day, B. & Fernyhough, C. (2016). Auditory verbal hallucinations: Social, but how? *Journal of Consciousness Studies* **23**(7-8): 163-194.
- Alderson-Day, B., Weis, S., McCarthy-Jones, S., Moseley, P., Smailes, D. & Fernyhough, C. (2016). The brain's conversation with itself: neural substrates of dialogic inner speech. *Social Cognitive & Affective Neuroscience* **11**(1): 110-120.
- Hurlburt, Russell T., Alderson-Day, Ben, Kühn, Simone & Fernyhough, Charles (2016). Exploring the Ecological Validity of Thinking on Demand: Neural Correlates of Elicited vs. Spontaneously Occurring Inner Speech. *PLoS ONE* **11**(2): e0147932.

**Dr Carrie A. Ambler**

### Journal Article

- Li, Z., Hodgkinson, T., Gothard, E.J., Boroumand, S., Lamb, R., Cummins, I., Narang, P., Sawtell, A., Coles, J., Leonov, G., Reboldi, A., Buckley, C.D., Cupedo, T., Siebel, C., Bayat, A., Coles, M.C. & Ambler, C.A. (2016). [Epidermal Notch1 recruits RORgamma+ group 3 innate lymphoid cells to orchestrate normal skin repair](#). *Nature Communications* **7**: 11394.

**Dr Andrea Armstrong**

### Journal Article

- Shaw, Mae, **Armstrong, Andrea** & Craig, Gary (2016). [Re-visiting the Community Development Projects of the 1970s in the UK](#). *Concept: The Journal of Contemporary Community Education Practice Theory* **7**(2): 1-17.

#### Presentation

- **Armstrong, A** (2016), North Tyneside Community Development Project: legacies and lessons, [Imagining North Shields Workshop](#). North Shields, England.
- **Armstrong, A**, Craig, G, Hall, Y & Smith, K (2016), Re-gilding the ghetto: pictures of life in the North East from the 1970s to the present day, [Imagine 2016 Annual Event](#). Millenium Gallery, Sheffield.
- **Armstrong, A**, Banks, S, Bonner, A & Johnson, L (2016), Imagining Benwell and North Shields: from the National Community Development Projecrs (1970s) to 'Our Place' and beyond, [Empowering Communities and Making Change Happen Policy Seminar with the Department for Communities and Local Government \(DCLG\)](#). London.
- **Armstrong, A** (2016), Community development in austerity, [Imagining Benwell Workshop](#). Newcastle upon Tyne.

#### Professor Sarah Banks

##### Chapter in book

- Meade, R., Shaw, M. & **Banks, S.** (2016). [Politics, power and community development: an introductory essay](#). In [Politics, power and community development](#). Meade, R., Shaw, M. & **Banks, S.** Bristol: Policy Press. 1-30.

##### Edited book

- Meade, R., Shaw, M. & **Banks, S.** (2016). [Politics, power and community development](#). Rethinking Community Development. Bristol: Policy Press.

##### Journal Article

- **Banks, Sarah** (2016). [Everyday ethics in professional life: social work as ethics work](#). *Ethics and Social Welfare* **10**(1): 35-52.

#### Prof Jens F. Beckmann

##### Journal Article

- Cripps, E., Wood, R.E., **Beckmann, N.**, Lau, J., **Beckmann, J.F.** & Cripps, S.A. (2016). [Bayesian Analysis of Individual Level Personality Dynamics](#). *Frontiers in Psychology* **7**: 1065.

##### Presentation

- **Beckmann, J.F.** (2016), Flexibility in Dynamic Testing - Potentials for Complex Problem Solving?, [Cognitive Science and Assessment](#). University of Luxembourg.

#### Dr Nadin Beckmann

##### Journal Article

- Cripps, E., Wood, R.E., **Beckmann, N.**, Lau, J., **Beckmann, J.F.** & Cripps, S.A. (2016). [Bayesian Analysis of Individual Level Personality Dynamics](#). *Frontiers in Psychology* **7**: 1065.

## Prof Gillian Bentley

### Chapter in book

- Bentley, G. (2016). [Applying evolutionary thinking in medicine: an introduction](#). In *Evolutionary Thinking in Medicine. From Research to Policy and Practice*. Alvergne, A., Jenkinson, C. & Faurie, C. Cham: Springer. 1-16.

### Journal Article

- Begum, K., Muttukrishna, S., Leidy Sievert, L., Sharmeen, T., Murphy, L., Chowdhury, M., Kasim, A., Gunu, R. & Bentley, G. (2016). [Ethnicity or environment: Effects of migration on ovarian reserve among Bangladeshi women in the United Kingdom](#). *Fertility and Sterility* **105**(3): 744-754.e1.
- Dhanoya, T., Sievert, L., Muttukrishna, S., Begum, K., Sharmeen, T., Kasim, A., Chowdhury, O. & Bentley, G. (2016). [Hot flushes and reproductive hormone levels during the menopausal transition](#). *Maturitas* **89**: 43-51.
- Sievert, L., Begum, K., Sharmeen, T., Murphy, L., Whitcomb, B.W., Chowdhury, O., Muttukrishna, S. & Bentley, G. (2016). [Hot flash report and measurement among Bangladeshi migrants, their London neighbors, and their community of origin](#). *American Journal of Physical Anthropology* **161**(4): 620-633.

## Professor Vikki Boliver

### Journal Article

- Boliver, V. (2016). [Critically evaluating the Effectively Maintained Inequality hypothesis](#). *British Journal of Education, Society & Behavioural Science* **15**(2): 1-9.

## Dr Lynda Boothroyd

### Journal Article

- Boothroyd, L.G., Jucker, J.L., Thornborrow, T., Jamieson, M.A., Burt, D.M., Barton, R.A., Evans, E.H. & Tovée, M. J. (2016). [Television exposure predicts body size ideals in rural Nicaragua](#). *British Journal of Psychology* **107**(4): 752-767.
- Boothroyd, L.G. & Cross, C.P. (2016). [The Impact of Parenthood on Physical Aggression: Evidence from criminal data](#). *Aggressive Behavior* **42**(6): 577-584.

## Professor Toby Breckon

### Conference Paper

- Al Moubayed, N., Breckon, T.P., Matthews, P.C. & McGough, A.S. (2016), [SMS Spam Filtering using Probabilistic Topic Modelling and Stacked Denoising Autoencoder](#), in Villa, Alessandro E.P., Masulli, Paolo & Pons Rivero, Antonio J. eds, *Lecture Notes in Computer Science* **9887**: Springer International Publishing, Cham, 423-430.
- Kundegorski, M.E., Akcay, S., Payen de La Garanderie, G. & Breckon, T.P. (2016), [Real-time Classification of Vehicle Types within Infra-red Imagery](#), in Burgess, D., Owen, G., Bouma, H., Carlisle-Davies, F., Stokes, R.J. & Yitzhaky, Y. eds, *Proceedings of SPIE 9995: Optics and Photonics for Counterterrorism, Crime Fighting and Defence XII*. Edinburgh, United

Kingdom, SPIE (Society of Photo-optical Instrumentation Engineers), Washington, USA, 99950T.

- **Akcay, S., Kundegorski, M.E.,** Devereux, M. & **Breckon, T.P.** (2016), [Transfer Learning Using Convolutional Neural Networks For Object Classification Within X-Ray Baggage Security Imagery](#), 2016 IEEE International Conference on Image Processing. Phoenix, AZ, USA, IEEE, Piscataway, NJ, 1057-1061.
- Hamilton, O.K. & Breckon, T.P. (2016), [Generalized Dynamic Object Removal for Dense Stereo Vision Based Scene Mapping using Synthesised Optical Flow](#), 2016 IEEE International Conference on Image Processing. Phoenix, AZ, USA, IEEE, Piscataway, NJ, 3439-3443.
- Holder, C.J., Breckon, T.P. & Wei, X. (2016), [From On-Road to Off: Transfer Learning within a Deep Convolutional Neural Network for Segmentation and Classification of Off-Road Scenes](#), in Hua, Gang & Jégou, Hervé eds, Lecture Notes in Computer Science **9913**: [European Conference on Computer Vision Workshops](#). Amsterdam, Springer, Cham, Switzerland, 149-162.
- Katramados, I. & Breckon, T.P. (2016), [Dense Gradient-based Features \(DeGraF\) for Computationally Efficient and Invariant Feature Extraction in Real-time Applications](#), 2016 IEEE International Conference on Image Processing. Phoenix, AZ, USA, IEEE, Piscataway, NJ, 300-304.
- Sugimoto, K., Breckon, T.P. & Kamata, S. (2016), [Constant-time Bilateral Filter using Spectral Decomposition](#), 2016 IEEE International Conference on Image Processing (ICIP). Phoenix, AZ, USA, IEEE, Piscataway, NJ, 3319-3323.
- Thomas, P.A., Marshall, G.F., Faulkner, D., Kent, P., Page, S., Islip, S., Oldfield, J., Breckon, T.P., Kundegorski, M.E., Clarke, D. & Styles, T. (2016), [Toward Sensor Modular Autonomy for Persistent Land Intelligence Surveillance and Reconnaissance \(ISR\)](#), in Kolodny, Michael A. & Pham, Tien eds, Proceedings of SPIE **9831**: [SPIE Ground/Air Multisensor Interoperability, Integration, and Networking for Persistent Intelligence Surveillance and Reconnaissance VII](#). Baltimore, Maryland, SPIE, Bellingham, WA, 983108.
- Kundegorski, M.E., **Akcay, S.,** Devereux, M., Mouton, A. & **Breckon, T.P.** (2016), [On using Feature Descriptors as Visual Words for Object Detection within X-ray Baggage Security Screening](#), International Conference on Imaging for Crime Detection and Prevention. Madrid, Spain, IET, 12 (6).

#### **Dr Hannah Brown**

##### **Chapter in book**

- Prince, Ruth & **Brown, Hannah** (2016). Introduction: The politics and ethics of voluntary labour in Africa. In [Volunteer Economies: The politics and ethics of voluntary labour in Africa](#). Prince, Ruth & **Brown, Hannah** James Currey.

##### **Edited book**

- Prince, Ruth & **Brown, Hannah** (2016). [Volunteer Economies: The politics and ethics of voluntary labour in Africa](#). African Issues. James Currey.

##### **Journal Article**

- **Brown, Hannah** (2016). [Managerial relations in Kenyan health care: Empathy and the limits of governmentality](#). *Journal of the Royal Anthropological Institute* **22**(3): 591-609.

- McMahon, S., Ho, L., **Brown, H.**, Miller, L., Ansumana, R. & Kennedy, C. (2016). [Healthcare providers on the frontlines: A qualitative investigation of the social and emotional impact of delivering health services during Sierra Leone's Ebola epidemic](#). *Health Policy and Planning* **31**(9): 1232-1239.
- Ratnayake, R., Ho, L., Ansumana, R., **Brown, H.**, Borchert, M., Miller, L., Kratz, T., McMahon, S. & Sahr, F. (2016). [Improving Ebola infection prevention and control in primary healthcare facilities in Sierra Leone: a single-group pretest post-test, mixed-methods study](#). *BMJ Global Health* **1**(4): e000103.

### Professor David Budgen

#### Chapter in book

- **Budgen, David** (2016). [Aggregating empirical evidence for more trustworthy decisions](#). In *Perspectives on Data Science for Software Engineering*. Zimmerman, Tom, Williams, Laurie & Menzies, Tim Cambridge, MA: Morgan Kaufmann. 181-186.

#### Conference Paper

- **Budgen, D.** (2016), [What Do We Know and How Well Do We Know It? Current Knowledge about Software Engineering Practices](#), in Lorenz, P., Cardoso, J., Maciaszek, L.A. & van Sinderen, M. eds, *Communications in Computer and Information Science* **586**: 10th International Joint Conference on Software Technologies (ICSOFT). Colmar, France, Springer, Cham, Switzerland, 3-16.

### Dr Mike Burt

#### Journal Article

- **Boothroyd, L.G., Jucker, J.L., Thornborrow, T., Jamieson, M.A., Burt, D.M., Barton, R.A., Evans, E.H. & Tovée, M. J.** (2016). [Television exposure predicts body size ideals in rural Nicaragua](#). *British Journal of Psychology* **107**(4): 752-767.

### Professor Felicity Callard

#### Chapter in book

- **Callard, Felicity** (2016). [Daydream Archive](#). In *The Restless Compendium: Interdisciplinary Investigations of Rest and Its Opposites*. **Callard, Felicity, Staines, Kimberley & Wilkes, James** Palgrave. 35–41.
- **Callard, Felicity** (2016). [Afterword: Mind, imagination, affect](#). In *The Edinburgh Companion to the Critical Medical Humanities*. Whitehead, Anne, **Woods, Angela, Atkinson, Sarah, Macnaughton, Jane** & Richards, Jennifer Edinburgh: Edinburgh University Press. 481-488.
- **Alderson-Day, Ben & Callard, Felicity** (2016). [Altered States: Resting State and Default Mode as Psychopathology](#). In *The Restless Compendium: Interdisciplinary Investigations of Rest and Its Opposites*. **Callard, Felicity, Staines, Kimberley & Wilkes, James** Palgrave. 11–17.

#### Edited book

- **Callard, Felicity, Staines, Kimberley & Wilkes, James** (2016). [The Restless Compendium: Interdisciplinary Investigations of Rest and Its Opposites](#). Palgrave Macmillan.

## Journal Article

- Molodynski, A., Khazaal, Y. & **Callard, F.** (2016). [Coercion in mental healthcare: time for a change in direction](#). *BJPsych International* **13**(1): 1-3.
- Perera, G., Broadbent, M. **Callard, F.**, Chang, C-K., Downs, J., Dutta, R., Fernandes, A., Hayes, R.D., Henderson, M., Jackson, R., Jewell, A., Kadra, G., Little, R., Pritchard, M. Shetty, H., Tulloch, A. & Stewart, R. (2016). [Cohort profile of the South London and Maudsley NHS Foundation Trust Biomedical Research Centre \(SLaM BRC\) Case Register: current status and recent enhancement of an Electronic Mental Health Record-derived data resource](#). *BMJ Open* **6**(3): e008721.
- Woodhead, C., Ashworth, M., Broadbent, B., **Callard, F.**, Hotopf, M., Schofield, P., Soncul, M., Stewart, R.J. & Henderson, M.J. (2016). [Cardiovascular disease treatment among patients with severe mental illness: a data linkage study between primary and secondary care](#). *British Journal of General Practice* **66**(647): e374-e381.

## Dr Luna Centifanti

### Journal Article

- Blanchard, A., Lyons, M. & **Centifanti, L.** (2016). [An effective way to deal with predators is to taste terrible: Primary and secondary psychopathy and mate preference](#). *Personality and Individual Differences* **92**: 128-134.
- Blanchard, A., Lyons, M. & **Centifanti, L.** (2016). [Baby was a black sheep: Digit ratio \(2D:4D\), maternal bonding and primary and secondary psychopathy](#). *Personality and Individual Differences* **99**: 67-71.

## Dr P Chazot

### Journal Article

- **Cork, S.C., Chazot, P.L. & Pyner, S.** (2016). [Altered GABAA  \$\alpha\$ 5 subunit expression in the hypothalamic paraventricular nucleus of hypertensive and pregnant rats](#). *Neuroscience Letters* **620**: 148-153.
- Ennaceur, A. & **Chazot, P.L.** (2016). [Preclinical animal anxiety research - flaws and prejudices](#). *Pharmacology Research & Perspectives* **4**(2): n/a.
- Wang, J.G., Wang, Y.L., Xu, F., Zhao, J.X., Zhou, S.Y., Yu, Y., **Chazot, P.L.**, Wang, X.F. & **Lu, C.B.** (2016). [Activity- and development-dependent down-regulation of TARP \$\gamma\$ 8 and GluA1 in cultured rat hippocampal neurons](#). *Acta Pharmacologica Sinica* **37**(3): 303-311.
- Pini, A., Obara, I., Battell, E., Chazot, P.L. & Rosa, A.C. (2016). [Histamine in diabetes: is it time to reconsider?](#) *Pharmacological Research* **111**: 316-324.
- Lucarini, L., Pini, A., Rosa, A.C., Lanzi, C., Durante, M., **Chazot, P.L.**, Krief, S., Schreeb, A., Stark, H. & Masini, E. (2016). [Role of Histamine H4 Receptor ligands in Bleomycin-induced pulmonary fibrosis](#). *Pharmacological Research* **111**: 740-748.
- **Abuhamdah, R.M.**, Hussain, M.D., **Chazot, P.L.** & Ennaceur, A. (2016). [Pre-training in a radial arm maze abolished anxiety and impaired habituation in C57BL/6/J mice treated with dizocilpine](#). *Physiology & Behavior* **164**(Part A): 353-360.

- **Lethbridge, N.L. & Chazot, P.L.** (2016). [Ligand autoradiographical quantification of histamine H3 receptor in human dementia with Lewy bodies](#). *Pharmacological Research* **113**(Part A): 245-256.

#### **Dr Steven Cobb**

##### **Journal Article**

- **Bolt, H.L., Eggimann, G.A., Denny, P.W. & Cobb, S.L.** (2016). [Enlarging the chemical space of anti-leishmanials: a structure-activity relationship study of peptoids against \*Leishmania mexicana\*, a causative agent of cutaneous leishmaniasis](#). *Medicinal Chemistry Communications* **7**(5): 799-805.
- Jiang, L., Lan, R., Huang, T., Chan, C., Li, H., **Lear, S., Zong, J.**, Wong, W., Lee, M.M., Chan, B.D., Chan, W., Lo, W., Mak, N., Lung, M.L., Tsao, S.W., Taylor, G.S., Bian, Z., Tai, W.C.S., Law, G., Wong, W.T., **Cobb, S.L.** & Wong, K.L. (2016). [EBNA1-targeted probe for the imaging and growth inhibition of tumours associated with the Epstein–Barr virus](#). *Nature Biomedical Engineering* **1**: 0042
- **Bolt, H.L., Denny, P.W. & Cobb, S.L.** (2016). [An Efficient Method for the Synthesis of Peptoids with Mixed Lysine-type/Arginine-type Monomers and Evaluation of Their Anti-leishmanial Activity](#). *Journal of Visualized Experiments* **117**: e54750.

#### **Dr Jason Connolly**

##### **Journal Article**

- **Copley-Mills, F., Connolly, J.D. & Cavina-Pratesi, C.** (2016). [Gender differences in non-standard mapping tasks: A kinematic study using pantomimed reach-to-grasp actions](#). *Cortex* **82**: 244-254.

##### **Translated Chapter in Book**

- **Cavina-Pratesi, C., Connolly, J.D. & Milner, A.D.** (trans.) (2016). 'Optic ataxia: What single-case studies can tell us about the visuomotor brain '. In *Neuropsychology, Psychoanalysis, and at the Intersection: Discontinuities - Continuities. For Athanase Tzavaras*. Potagas, C. & Petrides, M. (ed.). Athens: Nisos Publications. 17-46

#### **Professor Christopher C. H. Cook**

##### **Chapter in book**

- **Cook, Christopher C.H.** (2016). [Narrative in psychiatry, theology and spirituality](#). In [Spirituality and Narrative in Psychiatric Practice: Stories of Mind and Soul](#). **Cook, Christopher C.H.**, Powell, Andrew & Sims, Andrew RCPsych Publications. 1-13.
- **Cook, Christopher C.H.**, Powell, Andrew & Sims, Andrew (2016). [Beginnings and Endings](#). In [Spirituality and Narrative in Psychiatric Practice: Stories of Mind and Soul](#). **Cook, Christopher C.H.**, Powell, Andrew & Sims, Andrew RCPsych Publications. 173-183.

##### **Edited book**

- **Cook, Christopher C.H.**, Powell, Andrew & Sims, Andrew (2016). [Spirituality and Narrative in Psychiatric Practice: Stories of Mind and Soul](#). RCPsych Publications.

### Journal Article

- Moreira-Almeida, Alexander, Sharma, Avdesh, van Rensburg, Bernard Janse, Verhagen, Peter J. & **Cook, Christopher C. H.** (2016). [WPA Position Statement on Spirituality and Religion in Psychiatry](#). *World Psychiatry* **15**(1): 87-88.

### Frank Coolen

#### Journal Article

- Feng, G., Patelli, E., Beer, M. & **Coolen, F.P.A.** (2016). [Imprecise system reliability and component importance based on survival signature](#). *Reliability Engineering & System Safety* **150**: 116-125.
- **Coolen-Maturi, T., Coolen, F.P.A.** & Muhammad, N. (2016). [Predictive inference for bivariate data: Combining nonparametric predictive inference for marginals with an estimated copula](#). *Journal of Statistical Theory and Practice* **10**(3): 515-538.
- **Coolen, F.P.A. & Coolen-Maturi, T.** (2016). [The structure function for system reliability as predictive \(imprecise\) probability](#). *Reliability Engineering & System Safety* **154**: 180-187.
- **Coolen, F.P.A. & Coolen-Maturi, T.** (2016). [On the structure function and survival signature for system reliability](#). *Safety and Reliability* **36**(2): 77-87.

### Tahani Coolen-Maturi

#### Journal Article

- **Coolen-Maturi, T.** (2016). [New weighted rank correlation coefficients sensitive to agreement on top and bottom rankings](#). *Journal of Applied Statistics* **43**(12): 2261-2279.
- **Coolen-Maturi, T., Coolen, F.P.A.** & Muhammad, N. (2016). [Predictive inference for bivariate data: Combining nonparametric predictive inference for marginals with an estimated copula](#). *Journal of Statistical Theory and Practice* **10**(3): 515-538.
- **Coolen, F.P.A. & Coolen-Maturi, T.** (2016). [The structure function for system reliability as predictive \(imprecise\) probability](#). *Reliability Engineering & System Safety* **154**: 180-187.
- **Coolen, F.P.A. & Coolen-Maturi, T.** (2016). [On the structure function and survival signature for system reliability](#). *Safety and Reliability* **36**(2): 77-87.

### Dr Judith Covey

#### Journal Article

- **Covey, J., Rosenthal-Stott, H.E.S.** & Howell, S.J. (2016). [A synthesis of meta-analytic evidence of behavioral interventions to reduce HIV/STIs](#). *Journal of Behavioral Medicine* **39**(3): 371-385.

### Dr Helen Cramman

#### Journal Article

- Copping, L.T., Cramman, H., Gott, S., Gray, H. & Tymms, P. (2016). [Name writing ability not length of name is predictive of future academic attainment](#). *Educational Research* **58**(3): 237-246.

## Professor Douglas James Davies

### Authored book

- Davies, Douglas J. (Accepted). [Mors Britannica](#). Oxford University Press.

## Dr Paul Denny

### Journal Article

- Bolt, H.L., Eggimann, G.A., Denny, P.W. & Cobb, S.L. (2016). [Enlarging the chemical space of anti-leishmanials: a structure-activity relationship study of peptoids against Leishmania mexicana, a causative agent of cutaneous leishmaniasis](#). *Medicinal Chemistry Communications* **7**(5): 799-805.
- Bolt, H.L., Denny, P.W. & Cobb, S.L. (2016). [An Efficient Method for the Synthesis of Peptoids with Mixed Lysine-type/Arginine-type Monomers and Evaluation of Their Anti-leishmanial Activity](#). *Journal of Visualized Experiments* **117**: e54750.

### Other (Digital/Visual Media)

- Denny, P.W. (2016). [Bacteria and protozoa, chemistry and biology discussed](#).

## Dr Caroline Dodd-Reynolds

### Journal Article

- Allsop, S., Green, B.P., Dodd-Reynolds, C.J., Barry, G. & Rumbold, P.L.S. (2016). [Comparison of short-term energy intake and appetite responses to active and seated video gaming, in 8 to 11 year-old boys](#). *British Journal of Nutrition* **115**(06): 1117-1125.
- Oliver, E.J., Hanson, C.L., Lindsey, I.A. & Dodd-Reynolds, C.J. (2016). [Exercise on referral: Evidence and complexity at the nexus of public health and sport policy](#). *International Journal of Sport Policy and Politics* **8**(4): 731-736.
- Kelly, M., Rae, G., Walker, D., Partington, S., Dodd-Reynolds C.J. & Caplin, N. (2016). [Retrospective cohort study of the South Tyneside Exercise Referral Scheme 2009–14: Predictors of dropout and barriers to adherence](#). *Journal of Public Health*

## Professor Lena Dominelli

### Chapter in book

- Dominelli, Lena (2016). [Poverty Alleviation in a Globalised World: A Feminist Perspective](#). In [Contemporary Feminisms in Social Work Practice](#). Wendt, S. & Moulding, N. Abingdon, Oxon: Routledge. 132-145.

### Journal Article

- Sim, T. & Dominelli, L. (2016). [When the mountains move: A Chinese post-disaster psychosocial social work model](#). *Qualitative Social Work* 1-8.
- Boddy, Jennifer & Dominelli, Lena (2016). [Social Media and Social Work: The Challenges of a New Ethical Space](#). *Australian Social Work* **70**(2): 172-184.

### Newspaper/Magazine Article

- Dominelli, L. (2016). [The Road Not Taken](#). *Professional Social Work* 18-19.

## Dr Stephen Dunne

### Journal Article

- Yeates, G, Rowberry, M, **Dunne, S**, Goshawk, M, Mahadevan, M, Tyerman, R, Salter, M, Hillier, M, Berry, A & Tyerman, A (2016). [Social cognition and executive functioning predictors of supervisors' appraisal of interpersonal behaviour in the workplace following acquired brain injury](#). *NeuroRehabilitation* **38**(3): 299-310.

## Professor Matthew Daniel Eddy

### Journal Article

- **Eddy, Matthew** (2016). [The Child Writer: Graphic Literacy and the Scottish Educational System, 1700-1820](#). *History of Education* **45**(6): 695-718.

## Professor Amanda Ellison

### Journal Article

- Moseley, Peter, **Alderson-Day, Ben, Ellison, Amanda**, Jardri, Renaud & **Fernyhough, Charles** (2016). [Non-invasive Brain Stimulation and Auditory Verbal Hallucinations: New Techniques and Future Directions](#). *Frontiers in Neuroscience* **9**: 515.

## Professor Kiran Fernandes

### Journal Article

- Zhu, A., von Zedtwitz, M., Assimakopoulos, D. & **Fernandes, K.** (2016). [The impact of organizational culture on Concurrent Engineering, Design-for-Safety, and product safety performance](#). *International Journal of Production Economics* **176**: 69-81.

## Professor Charles Fernyhough

### Journal Article

- Moseley, Peter, **Alderson-Day, Ben, Ellison, Amanda**, Jardri, Renaud & **Fernyhough, Charles** (2016). [Non-invasive Brain Stimulation and Auditory Verbal Hallucinations: New Techniques and Future Directions](#). *Frontiers in Neuroscience* **9**: 515.
- de Sousa, P., Sellwood, W., Spray, A., **Fernyhough, C.** & Bentall, R. P. (2016). [Inner speech and clarity of self-concept in thought disorder and auditory-verbal hallucinations](#). *Journal of Nervous and Mental Disease* **204**(12): 885-893.

## Professor Emma Flynn

### Journal Article

- Reader, S., Morand-Ferron, J. & **Flynn, E.** (2016). [Animal and human innovation: novel problems and novel solutions](#). *Philosophical Transactions of the Royal Society B* **371**(1690): 20150182.
- **Lough, E., Flynn, E. & Riby, D. M.** (2016). [Personal space regulation in Williams syndrome: The effect of familiarity](#). *Journal of Autism and Developmental Disorders* **46**(10): 3207-3215.

## Dr Andrew Gallant

### Journal Article

- Hammler, Jonathan, Gallant, Andrew J. & Balocco, Claudio (2016). [Free-Space Permittivity Measurement at Terahertz Frequencies with a Vector Network Analyser](#). *IEEE Transactions on Terahertz Science and Technology* **6**(6): 817-823.

## Dr Lian Gan

### Journal Article

- Gan, L. (2016). [Detection of passive scalar interface directly from PIV particle images in inhomogeneous turbulent flows](#). *Flow, Turbulence and Combustion* **97**(1): 141-170.
- Gan, L., Baqui, B.Y. & Maffioli, A. (2016). [An experimental investigation of forced steady rotating turbulence](#). *European Journal of Mechanics / B Fluids* **58**: 59-69.
- Gan, L. & Krogstad, P.-Å. (2016). [Evolution of turbulence and in-plane vortices in the near field flow behind multi-scale planar grids](#). *Physics of Fluids* **28**(8): 085101.
- Xu, S. J., Gan, L. & Zhou, Y. (2016). [Flow interaction between a streamwise oscillating cylinder and a downstream stationary cylinder](#). *Experiments in Fluids* **57**(11): 173.

## Dr Kayleigh Garthwaite

### Authored book

- Garthwaite, K. (2016). [Hunger Pains: life inside foodbank Britain](#). Bristol: Policy Press.

### Journal Article

- Garthwaite, K., Smith, K.E., Bambra, C. & Pearce, J. (2016). [Desperately seeking reductions in health inequalities: perspectives of UK researchers on past, present and future directions in health inequalities research](#). *Sociology of Health and Illness* **38**(3): 459-478.
- Garthwaite, K. (2016). [The perfect fit? Being both volunteer and ethnographer in a UK foodbank](#). *Journal of Organizational Ethnography* **5**(1): 60-71.
- Garthwaite, K. (2016). [Stigma, shame and 'people like us' an ethnographic study of foodbank use in the UK](#). *Journal of Poverty and Social Justice* **24**(3): 277-289.

## Prof John Girkin

### Journal Article

- Wilson, Calum, Saunter, Christopher D., Girkin, John M. & McCarron, John G. (2016). [Clusters of specialized detector cells provide sensitive and high fidelity receptor signaling in the intact endothelium](#). *The FASEB Journal* **30**(5): 2000-2013.
- Carter, Katherine A., Girkin, John M. & Fielding, Suzanne M. (2016). [Shear banding in large amplitude oscillatory shear \(LAOStrain and LAOStress\) of polymers and wormlike micelles](#). *Journal of Rheology* **60**(5): 883.

- Chalmers, S., **Saunter, C. D., Girkin, J. M.** & McCarron, J.G. (2016). [Age decreases mitochondrial motility and increases mitochondrial size in vascular smooth muscle](#). *The Journal of Physiology* **594**(15): 4283-4295.
- Krstajić, Nikola, Akram, Ahsan R., Choudhary, Tushar R., McDonald, Neil, Tanner, Michael G., Pedretti, Ettore, Dalgarno, Paul A., Scholefield, Emma, **Girkin, John M.**, Moore, Anne, Bradley, Mark & Dhaliwal, Kevin (2016). [Two-color widefield fluorescence microendoscopy enables multiplexed molecular imaging in the alveolar space of human lung tissue](#). *Journal of Biomedical Optics* **21**(4): 046009.

## Professor Stephen Gorard

### Authored book

- **Gorard, S., See, B.H. & Morris, R.** (2016). [The most effective approaches to teaching in primary schools: Rigorous evidence on effective teaching](#). Saarbrücken: LAP LAMBERT Academic Publishing.

### Journal Article

- **Gorard, S., Siddiqui, N. & See, B.H.** (2016). [An evaluation of Fresh Start as a catch-up intervention: A trial conducted by teachers](#). *Educational Studies* **42**(1): 98-113.
- **Gorard, S.** (2016). [A cautionary note on measuring the pupil premium attainment gap in England](#). *British Journal of Education, Society & Behavioural Science* **14**(2): 1-8.
- Gorard, S., Siddiqui, N. & See, B.H. (2016). What works and what fails? Evidence from seven popular literacy 'catch-up' schemes for the transition to secondary school in England. *Research Papers in Education*

### Newspaper/Magazine Article

- **Gorard, S.** (2016). Does missing one week of school lead to lower grades? *Significance Magazine*

### Presentation

- **Gorard, S.** (2016), [Does the use of contextual data help or hinder widening participation?](#), *Researching the Micro and Local in Widening Participation Practice: Seminar 2*. Sheffield University.

### Report

- **Gorard, S., See, B.H. & Morris, R.** (2016). [Teacher Review of effective teaching approaches in primary schools](#). *School of Education*. Durham University.
- **Gorard, S., See, B.H. & Morris, R.** (2016). Literacy for Life - An interim evaluation report. Durham University.
- **Gorard, S., See, B.H., Siddiqui, N., Smith, E. & White, P.** (2016). [Youth Social Action Trials: Youth United Evaluation report and executive summary](#). *School of Education*. London, Education Endowment Foundation.
- **Gorard, S. & See, B.H.** (2016). [Review of effective teaching approaches in primary schools – Overview, conclusions and implications](#). *School of Education*. Durham University.
- **Gorard, S. & Siddiqui, N.** (2016). [Grammar schools in England: a new approach to analysing their intakes and outcomes](#). *School of Education*. Durham University.

## Dr Becky Gowland

### Journal Article

- **Arthur, N., Gowland, R. L. & Redfern, R. C.** (2016). [Coming of age in Roman Britain: osteological evidence for pubertal timing](#). *American Journal of Physical Anthropology* **159**(4): 698-713.
- **Roberts, C. A., Caffell, A., Filipek-Ogden, K., Gowland, R. L. & Jakob, T.** (2016). ['Til Poison Phosphorous Brought them Death' A potentially occupationally-related disease in a post-medieval skeleton from north-east England](#). *International Journal of Paleopathology* **13**: 39-48.
- **Kendall, R., Hendy, J., Collins, M. J., Millard, A. R. & Gowland, R. L.** (2016). [Poor preservation of antibodies in archaeological human bone and dentine](#). *STAR: Science and Technology of Archaeological Research* **2**(1): 15-24.
- **Thompson, T.J.U., Szigeti, J., Gowland, R.L. & Witcher, R.E.** (2016). [Death on the frontier: military cremation practices in the north of Roman Britain](#). *Journal of Archaeological Science: Reports* **10**: 828-836.
- **Booth, T., Redfern, R. C. & Gowland, R. L.** (2016). [Immaculate conceptions: Micro-CT analysis of diagenesis in Romano-British infant skeletons](#). *Journal of Archaeological Science* **74**: 124-134.

## Dr Patrick Gray

### Presentation

- **Gray, Patrick** (2016), [Caesar as Comic Antichrist: Shakespeare's Julius Caesar and the Medieval English Stage Tyrant \(plenary lecture\)](#), British Graduate Shakespeare Conference. The Shakespeare Institute.
- **Gray, Patrick** (2016), [Shakespeare, Hegel, and the History of Recognition](#), Shakespeare au Risque de la Philosophie. Centre d'Études Supérieures de Civilisation Médiévale (CESCM), Université de Poitiers.
- **Gray, Patrick** (2016), Literature vs. Propaganda: Ambiguity and the Catharsis of Doubt, Literary Form and Reform. Fudan University, Shanghai.
- **Gray, Patrick** (2016), Shakespeare and the Other Virgil, For the seminar, 'Shakespeare, Collaboration, and Co-Creation,' led by Matthias Bauer and Angelika Zirker World Shakespeare Congress. London and Stratford-upon-Avon.
- **Gray, Patrick** (2016), [Montaigne, 'On Experience'](#), Department of Philosophy, Deakin University.
- **Gray, Patrick** (2016), [Shakespeare and the Ethics of War: International Relations and the Problem of Honour](#), Emotions, Ethics, and War. Centre for the History of Emotions, University of Western Australia.
- **Gray, Patrick** (2016), ['The Eye Sees Not Itself': Shakespeare and Aristotle on Friendship](#), English and Theatre Studies Seminar. University of Melbourne.
- **Gray, Patrick** (2016), [Nietzsche vs. Freud: Shame Culture, Guilt Culture, and the Study of Ancient Greece](#), Ancient World Seminar. University of Melbourne.
- **Gray, Patrick** (2016), [Re-imagining Shame Culture and Guilt Culture \(video\)](#), Centre for the History of Emotions, University of Western Australia.

- **Gray, Patrick** (2016), Shame and Guilt in Ancient Greece, [Classics and Ancient History Research Seminar](#). University of Sydney.
- **Gray, Patrick** (2016), 'Eye to Eye Opposed': Shakespeare and Intersubjective Recognition, [Early Modern Literature and Culture Seminar](#). University of Sydney.
- **Gray, Patrick** (2016), Shakespeare and the Other Virgil: Pity and Constancy in Coriolanus, [Renaissance Colloquium](#). Harvard University.
- **Gray, Patrick** (2016), [Re-imagining Shame Culture and Guilt Culture](#), [History of Emotions Seminar](#). University of Adelaide.
- **Gray, Patrick** (2016), [Renaissance Humanism and the Roman Reception of Hellenistic Philosophy](#), [Afterlives of Hellenistic Ethics](#). University of Queensland.
- **Gray, Patrick** (2016), [What is Iago? Shakespeare on Imagination and the Demonic](#), [History of Emotions Seminar](#). University of Sydney.
- **Gray, Patrick** (2016), The compassionate Stoic: Brutus as Accidental Hero. *Shakespeare Jahrbuch*.
- **Gray, Patrick** (2016). Shakespeare and the Other Virgil: Pity and Imperium in Titus Andronicus. *Shakespeare Survey*

#### **Dr Helen Gray**

##### **Journal Article**

- Copping, L.T., Cramman, H., Gott, S., Gray, H. & Tymms, P. (2016). [Name writing ability not length of name is predictive of future academic attainment](#). *Educational Research* **58**(3): 237-246.

#### **Dr Markus Hausmann**

##### **Journal Article**

- **Hausmann, M., Hodgetts, S. & Eerola, T.** (2016). [Music-induced changes in functional cerebral asymmetries](#). *Brain and Cognition* **104**: 58-71.
- Kranczoch, C., Lindig, A. & **Hausmann, M.** (2016). [Sex hormones modulate neurophysiological correlates of visual temporal attention](#). *Neuropsychologia* **91**: 86-98.

#### **Professor Charles Heywood**

##### **Journal Article**

- Zihl, J. & **Heywood, C.A.** (2016). [The contribution of single case studies to the neuroscience of vision](#). *PsyCh Journal* **5**(1): 5-17.

#### **Professor Steve Higgins**

##### **Chapter in book**

- **Higgins, S.** (2016). [Dewey, Education, and Schooling](#). In [John Dewey's Democracy and Education: A British tribute](#). **Higgins, S.** & Coffield, F. London: IoE Press.

##### **Edited book**

- **Higgins, S.** & Coffield, F. (2016). [John Dewey's Democracy and Education: A British tribute](#). London: IoE Press.

##### **Journal Article**

- **Higgins, S.** (2016). [Meta-synthesis and comparative meta-analysis of education research findings: some risks and benefits](#). *Review of Education* **4**(1): 31-53.
- **Xiao, Z., Higgins, S. & Kasim, A.** (2016). [Same Difference? Understanding Variation in the Estimation of Effect Sizes from Educational Trials](#). *International Journal of Educational Research* **77**: 1-14.
- **Katsipataki, M. & Higgins, S.** (2016). [What Works or What's Worked? Evidence from Education in the United Kingdom](#). *Procedia - Social and Behavioral Sciences* **217**: 903-909.
- **Higgins, S. & Katsipataki, M.** (2016). [Communicating comparative findings from meta-analysis in educational research: some examples and suggestions](#). *International Journal of Research & Method in Education* **39**(3): 237-254.
- **Alabdulaziz, M. & Higgins, S.** (2016). [Obstacles to Technology use When Addressing Saudi Primary Students' Mathematics Difficulties](#). *International Journal of Engineering Research and Technology* **5**(10): 412-417.
- **Kyriakou, A. & Higgins, S.** (2016). [Systematic Review of the Studies Examining the Impact of the Interactive Whiteboard on Teaching and Learning: what we do learn and what we do not](#). *Preschool and Primary Education* **4**(2): 254-275.

#### **Dr Frances Hillier-Brown**

##### **Journal Article**

- Goffe, L., Wrieden, W., Penn, L., **Hillier-Brown, F., Lake, A.**, Araujo-Soares, V., **Summerbell, C.**, White, M., Adamson, A. & Adams, J. (2016). [Reducing the Salt Added to Takeaway Food: Within-Subjects Comparison of Salt Delivered by Five and 17 Holed Salt Shakers in Controlled Conditions](#). *PLoS ONE* **11**(9): e0163093.
- Goffe, L., **Hillier-Brown, F.**, Doherty, A., Wrieden, W., **Lake, A.A.**, Araujo-Soares, V., **Summerbell, C.**, White, M., Adamson, A.J. & Adams, J. (2016). [Comparison of sodium content of meals served by independent takeaways using standard versus reduced holed salt shakers: cross-sectional study](#). *International Journal of Behavioral Nutrition and Physical Activity* **13**: 102.
- Adams, J., **Hillier-Brown, F.**, **Moore, H.**, **Lake, A.**, Araujo-Soares, V., White, M. & **Summerbell, C.** (2016). [Searching and synthesising 'grey literature' and 'grey information' in public health: critical reflections on three case studies](#). *Systematic Reviews* **5**: 164.
- Goffe, L., Wrieden, W., Penn, L., **Hillier-Brown, F., Lake, A.**, Araujo-Soares, V., **Summerbell, C.**, White, M., Adamson, A. & Adams, J. (2016). [Reducing the Salt Added to Takeaway Food: Within-Subjects Comparison of Salt Delivered by Five and 17 Holed Salt Shakers in Controlled Conditions](#). *PLoS ONE* **11**(9): e0163093.
- Goffe, L., **Hillier-Brown, F.**, Doherty, A., Wrieden, W., **Lake, A.A.**, Araujo-Soares, V., **Summerbell, C.**, White, M., Adamson, A.J. & Adams, J. (2016). [Comparison of sodium content of meals served by independent takeaways using standard versus reduced holed salt shakers: cross-sectional](#)

[study](#). *International Journal of Behavioral Nutrition and Physical Activity* **13**: 102.

- Adams, J., Hillier-Brown, F., Moore, H., Lake, A., Araujo-Soares, V., White, M. & Summerbell, C. (2016). [Searching and synthesising 'grey literature' and 'grey information' in public health: critical reflections on three case studies](#). *Systematic Reviews* **5**: 164.

#### Dr Claire Horwell

##### Journal Article

- Tomašek, I., Horwell, C.J., Damby, D.E., Barošová, H., Geers, C., Petri-Fink, A., Rothen-Rutishauser, B. & Clift, M.J.D. (2016). [Combined exposure of diesel exhaust particles and respirable Soufrière Hills volcanic ash causes a \(pro-\)inflammatory response in an in vitro multicellular epithelial tissue barrier model](#). *Particle and Fibre Toxicology* **13**(1): 67.

#### Dr Kimberly Jamie

##### Journal Article

- Jamie, K., Bows, H. & Gill, J. (2016). [Integration of pharmacogenetic principles as a core thread in the undergraduate pharmacy curriculum](#). *Pharmacy Education* **16**(1): 64-66.
- Rathbone, Adam Pattison & Jamie, Kimberly (2016). [Transferring from Clinical Pharmacy Practice to Qualitative Research: Questioning Identity, Epistemology and Ethical Frameworks](#). *Sociological Research Online* **21**(2): 4.

#### Professor Karen Johnson

##### Journal Article

- Johnson, K.L. (2016). [Soil Remediation: Engage Engineers in Soil Management](#). *Nature* **532**(7597): 37.
- Finlay, N.C., Johnson, K. & Worrall, F. (2016). [The role of water treatment abstraction in the flux and greenhouse gas emissions from organic carbon and nitrogen within UK rivers](#). *Water Resources Research* **52**(10): 8190-8201.

#### Mrs Karen Jones

##### Chapter in book

- Ehren, M. C. Jones, K., & Perryman, J. (Published). [Chapter Chapter 5](#). In *Methods and Modalities of Effective School Inspections*. Ehren, M. C. Springer International Publishing. 87.

#### Dr Adetayo Kasim

##### Journal Article

- Xiao, Z., Higgins, S. & Kasim, A. (2016). [Same Difference? Understanding Variation in the Estimation of Effect Sizes from Educational Trials](#). *International Journal of Educational Research* **77**: 1-14.
- Brown, T.J., Todd, A., O'Malley, C., Moore, H.J., Husband, A.K., Bambra, C., Kasim, A., Sniehotta F.F., Steed, L., Smith, S., Nield, L. & Summerbell, C.D. (2016). [Community pharmacy-delivered interventions for public health priorities: a systematic review of interventions for alcohol reduction, smoking](#)

[cessation and weight management, including meta-analysis for smoking cessation](#). *BMJ Open* **6**(2): e009828.

- Begum, K., Muttukrishna, S., Leidy Sievert, L., Sharmeen, T., Murphy, L., Chowdhury, M., **Kasim, A.**, Gunu, R. & **Bentley, G.** (2016). [Ethnicity or environment: Effects of migration on ovarian reserve among Bangladeshi women in the United Kingdom](#). *Fertility and Sterility* **105**(3): 744-754.e1.
- Dhanoya, T., Sievert, L., Muttukrishna, S., **Begum, K.**, Sharmeen, T., **Kasim, A.**, Chowdhury, O. & **Bentley, G.** (2016). [Hot flushes and reproductive hormone levels during the menopausal transition](#). *Maturitas* **89**: 43-51.
- **Farrant, K., Bamba, C., Nyle, L., Kasim, A., Burstro, B. & Hunter, D.J.** (2016). [Recommodification, Unemployment, and Health Inequalities: Trends in England and Sweden 1991–2011](#). *International Journal of Health Services* **46**(2): 300-324.
- **Mattheys, K., Bamba, C., Warren, J., Kasim, A. & Akhter, N.** (2016). [Inequalities in mental health and well-being in a time of austerity: Baseline findings from the Stockton-on-Tees cohort study](#). *SSM - Population Health* **2**: 350-359.
- **Nazar, H., Brice, S., Akhter, N., Kasim, A., Gunning, A., Slight, S.P. & Watson, N.** (2016). [New transfer of care initiative of electronic referral from hospital to community pharmacy in England: a formative service evaluation](#). *BMJ Open* **6**(10): e012532.

#### Report

- **Menzies, V., Kasim, A., Kokotsaki, D., Hewitt, C., Akhter, N., Collyer, C., Younger, K., Wiggins, A. & Torgerson, C.** (2016). [Hallé SHINE on Manchester: Evaluation report and executive summary](#). Education Endowment Foundation.

#### Dr Jeremy Kendal

##### Journal Article

- **Kendal, R.L., Kendal, J.R., Mursic, Z., Bailey-Ross, C., Rudman, H., Lloyd, A. & Ross, B.** (2016). [Designing for creativity and innovation in informal science learning](#). *Informal Learning Review* (137): 20-24.
- Skrebyte, A., Garnett, P. & **Kendal, J.R.** (2016). [Temporal Relationships Between Individualism–Collectivism and the Economy in Soviet Russia: A Word Frequency Analysis Using the Google Ngram Corpus](#). *Journal of Cross-Cultural Psychology* **47**(9): 1217-1235.

#### Prof Steve Lindsay

##### Journal Article

- **Tangena, J.-A., Thammavong, P., Wilson, A. L., Brey, P. T. & Lindsay, S. W.** (2016). [Risk and Control of Mosquito-Borne Diseases in Southeast Asian Rubber Plantations](#). *Trends in Parasitology* **32**(5): 402-415.
- Brady, O.J., Godfray, C.J., Tatem, A.J., Gething, P.W., Cohen, J.M., McKenzie, F.E., Perkins, T.A., Reiner Jr., R.C., Tusting, L.S., Sinka, M.E., Moyes, C.L., Eckhoff, P.A., Scott, T.W., **Lindsay, S.W.**, Hay, S.I. & Smith, D.L. (2016). [Vectorial capacity and vector control: reconsidering sensitivity to](#)

- [parameters for malaria elimination](#). *Transactions of The Royal Society of Tropical Medicine and Hygiene* **110**(2): 107-117.
- Ramesh, A., Bristow, J., Kovats, S., **Lindsay, S.W.**, Haslam, D., Schmidt, E. & Gilbert, C. (2016). [The impact of climate on the abundance of \*Musca sorbens\*, the vector of trachoma](#). *Parasites & Vectors* **9**(1): 48.
  - Bottomley, C., Kirby, M.J., **Lindsay, S.W.** & Alexander, N.A. (2016). [Can the buck always be passed to the highest level of clustering?](#). *BMC Medical Research Methodology* **16**(1): 29.
  - Tusting, L.S., Rek, J.C., Arinaitwe, E., Staedke, S.G., Kanya, M.R., Bottomley, C., Johnston, D., Lines, J., Dorsey, G. & **Lindsay, S.W.** (2016). [Measuring Socioeconomic Inequalities in Relation to Malaria Risk: A Comparison of Metrics in Rural Uganda](#). *American Journal of Tropical Medicine and Hygiene* **94**(3): 650-658.
  - Hiscox, A., Hirooka, R., Vongphayloth, K., Hill, N., **Lindsay, S.W.**, Grandadam, M. & Brey, P.T. (2016). [Armigeres subalbatus colonization of damaged pit latrines: a nuisance and potential health risk to residents of resettlement villages in Laos](#). *Medical and Veterinary Entomology* **30**(1): 95-100.
  - Dugassa, S., Lindh, J.M., **Lindsay, S.W.** & Fillinger, U. (2016). [Field evaluation of two novel sampling devices for collecting wild oviposition site seeking malaria vector mosquitoes: OviART gravid traps and squares of electrocuting nets](#). *Parasites and Vectors* **9**: 272.
  - Orsborne, J., DeRaedt Banks, S., Hendy, A., Gezan, S.A., Kaur, H., Wilder-Smith, A., **Lindsay, S.W.** & Logan, J.G. (2016). [Personal protection of permethrin-treated clothing against \*Aedes aegypti\*, the vector of dengue and Zika virus, in the laboratory](#). *PLOS ONE* **11**(5): e0152805.
  - **Pinder, M.**, Conteh, L., Jeffries, D., Jones, C., Knudsen, J., Kandeh, B., Jawara, M., Sicuri, E., D'Alessandro, U. & **Lindsay, S.W.** (2016). [The RooPfs study to assess whether improved housing provides additional protection against clinical malaria over current best practice in The Gambia: study protocol for a randomized controlled study and ancillary studies](#). *Trials* **17**(1): 275.
  - Tusting, L.S., Rek, J.C., Arinaitwe, E., Staedke, S.G., Kanya, M.R., Cano, J., Bottomley, C., Johnston, D., Dorsey, G., **Lindsay, S.W.** & Lines, J.D. (2016). [Why is malaria associated with poverty? Findings from a cohort study in rural Uganda](#). *Infectious Diseases of Poverty* **5**(1): 78.
  - Wanzirah, H., Tusting, L.S., Arinaitwe, E., Katureebe, A., Maxwell, K., Rek, J., Bottomley, C., Staedke, S.G., Kanya, M., Dorsey, G. & Lindsay, S.W. (2015). Mind the gap: house structure and the risk of malaria in Uganda. *PLoS ONE* **10**(1): e0117396.

#### Dr Iain Lindsey

##### Journal Article

- **Oliver, E.J.**, Hanson, C.L., **Lindsey, I.A.** & **Dodd-Reynolds, C.J.** (2016). [Exercise on referral: Evidence and complexity at the nexus of public health and sport policy](#). *International Journal of Sport Policy and Politics* **8**(4): 731-736.

## Professor Gordon Love

### Journal Article

- Zannoli, Marina, **Love, Gordon D.**, Narain, Rahul & Banks, Martin S. (2016). [Blur and the Perception of Depth at Occlusions](#). *Journal of Vision* **16**(6): 17.
- Johnson, Paul V., **Parnell, Jared AQ.**, Kim, Joohwan, **Saunter, Christopher D.**, **Love, Gordon D.** & Banks, Martin S. (2016). [Dynamic lens and monovision 3D displays to improve viewer comfort](#). *Optics Express* **24**(11): 11808-11827.

## Professor Jane Macnaughton

### Chapter in book

- **Macnaughton, J.** & Carel, H. (2016). [‘Breathing and breathlessness in clinic and culture: using critical medical humanities to bridge an epistemic gap’](#). In *The Edinburgh Companion to the Critical Medical Humanities*. Whitehead, A., **Woods, A.**, **Atkinson, S.**, **Macnaughton, J.** & Richards, J. Edinburgh: Edinburgh University Press. 294-309.

### Journal Article

- **Oxley, R.** & **Macnaughton, J.** (2016). [Inspiring change: humanities and social science insights into the experience and management of breathlessness](#). *Current Opinion in Supportive and Palliative Care***10**(3): 256-261.

## Professor Holger Maehle

### Authored book

- Maehle, Andreas-Holger (2016). [Contesting Medical Confidentiality: Origins of the Debate in the United States, Britain, and Germany](#). Chicago and London: The University of Chicago Press.

## Dr Kesson Magid

### Journal Article

- Mesoudi, A., **Magid, K.** & Hussain, D. (2016). [How Do People Become W.E.I.R.D.? Migration Reveals the Cultural Transmission Mechanisms Underlying Variation in Psychological Processes](#). *PLOS ONE***11**(1): e0147162.

## Miss Kate Mattheys

### Journal Article

- **Mattheys, K.**, **Bambra, C.**, **Warren, J.**, **Kasim, A.** & **Akhter, N.** (2016). [Inequalities in mental health and well-being in a time of austerity: Baseline findings from the Stockton-on-Tees cohort study](#). *SSM - Population Health* **2**: 350-359.

## Dr Lauren Mawn

### Journal Article

- **Mawn, L.**, **Welsh, P.**, Kirkpatrick, L., **Webster, L.A.D.** & **Stain, H.J.** (2016). [Getting it right! Enhancing youth involvement in mental health research](#). *Health Expectations* **19**(4): 908-919.

## Dr Stephen McGough

### Conference Paper

- Forshaw, Matthew, Thomas, Nigel & **McGough, Andrew Stephen** (2016), [The Case for Energy-Aware Simulation and Modelling of Internet of Things \(IoT\)](#), Proceedings of the 2nd International Workshop on Energy-Aware Simulation - ENERGY-SIM '16. Waterloo. Canada, ACM, 1-4.
- **Al Moubayed, N., Breckon, T.P., Matthews, P.C. & McGough, A.S.** (2016), [SMS Spam Filtering using Probabilistic Topic Modelling and Stacked Denoising Autoencoder](#), in Villa, Alessandro E.P., Masulli, Paolo & Pons Rivero, Antonio J. eds, Lecture Notes in Computer Science **9887**: Springer International Publishing, Cham, 423-430.
- **Bonner, S, Brennan, J, Theodoropoulos, G, Kureshi, I & McGough, AS** (2016), [Efficient Comparison of Massive Graphs Through The Use Of 'Graph Fingerprints'](#), Twelfth Workshop on Mining and Learning with Graphs (MLG) at KDD'16. San Francisco, USA, ACM.

### Journal Article

- Forshaw, M. McGough, A. and Thomas, N. (2016). HTC-Sim: a trace driven simulation framework for energy consumption in high throughput computing systems. *Concurrency and Computation: Practice and Experience* 28(12): 3260 – 3290

## Dr Anthony McGregor

### Chapter in book

- **McGregor, A.** (2016). [The relation between spatial and nonspatial learning](#). In *The Wiley Handbook on the Cognitive Neuroscience of Learning*. Murphy, R. A. & Honey, R. C. John Wiley & Sons. 313-347.

## Dr Robert McMurray

### Monograph

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

## Mrs Victoria Menzies

### Journal Article

- **Kokotsaki, D., Menzies, V. & Wiggins, A.** (2016). [Project-based learning: a review of the literature](#). *Improving Schools* 19(3): 267-277.

### Report

- **Menzies, V., Kasim, A., Kokotsaki, D., Hewitt, C., Akhter, N., Collyer, C., Younger, K., Wiggins, A. & Torgerson, C.** (2016). [Hallé SHINE on Manchester: Evaluation report and executive summary](#). Education Endowment Foundation.
- **Menzies, V., Hewitt, C., Kokotsaki, D., Collyer, C. & Wiggins, A.** (2016). [Project Based Learning: Evaluation report and executive summary](#). School of Education. London, Education Endowment Foundation.

## Dr Claudia Merli

### Journal Article

- Norman, A.H., Russell, A.J. & Merli, C. (2016). [The Quality and Outcomes Framework: Body commodification in UK General Practice](#). *Social Science & Medicine* **170**: 77-86.

## Professor Christine Merrell

### Chapter in book

- Merrell, C. & Tymms, P. (2016). [Assessing Young Children: Problems and Solutions](#). In [Understanding What Works in Oral Reading Assessments: Recommendations from Donors, Implementers and Practitioners](#). Montreal: UNESCO Institute for Statistics (UIS). 126-133.

### Presentation

- Tymms, P. & Merrell, C. (2016), What impact does the first year of school have on later success?, [International Congress for School Effectiveness and Improvement](#). Glasgow.

## Dr Helen Moore

### Journal Article

- Brown, T.J., Todd, A., O'Malley, C., Moore, H.J., Husband, A.K., Bamba, C., Kasim, A., Sniehotta F.F., Steed, L., Smith, S., Nield, L. & Summerbell, C.D. (2016). [Community pharmacy-delivered interventions for public health priorities: a systematic review of interventions for alcohol reduction, smoking cessation and weight management, including meta-analysis for smoking cessation](#). *BMJ Open* **6**(2): e009828.
- Moore, H.J., Nixon, C., Tariq, A., Emery, J., Hamilton, W., Hoare, Z., Kershenbaum, A., Neal, R.D., Ukoumunne, O.C., Usher-Smith, J., Walter, F.M., Whyte, S. & Rubin, G. (2016). [Evaluating a computer aid for assessing stomach symptoms \(ECASS\): study protocol for a randomised controlled trial](#). *Trials* **17**(1): 184.
- Bingham, D.D., Costa, S., Clemes, S.A., Routen, A.C., Moore, H.J. & Barber, S.E. (2016). [Accelerometer data requirements for reliable estimation of habitual physical activity and sedentary time of children during the early years - a worked example following a stepped approach](#). *Journal of Sports Sciences* **34**(20): 2005-2010.
- Adams, J., Hillier-Brown, F., Moore, H., Lake, A., Araujo-Soares, V., White, M. & Summerbell, C. (2016). [Searching and synthesising 'grey literature' and 'grey information' in public health: critical reflections on three case studies](#). *Systematic Reviews* **5**: 164.
- Tymms, Peter, Curtis, Sarah E., Routen, Ash C., Thomson, Katie H., Bolden, David S., Bock, Susan, Dunn, Christine E., Cooper, Ashley R., Elliott, Julian G., Moore, Helen J., Summerbell, Carolyn D., Tiffin, Paul A. & Kasim Adetayo S. (2016). Clustered randomised controlled trial of two education interventions designed to increase physical activity and well-being of secondary school students: The MOVE Project. *BMJ Open* **6**(1): e009318.

## Dr Caitlin Nunn

### Journal Articles

- Sharp, T., Nguyễn, C. N., Nunn, C., McQueen, A., Rodriguez Jiménez, A., Sheikh Omar, Y., Mumin, H., Mohamed, I., Mohamed, I., Mohamed, I., Ali, I., Aseir, K., Ahmed, L., Hassan, M., Ali, M., Ali, M., Mumin, M., Ali, M., Aden, O., Ahmed, S., Ibrahim, S., Mohamed, S., Ahmed, S., Ali, Y., Mohamud, Z. & Abdi, Z. (2016). Home: An exploratory journey with young Somali-Australians. *Liminalities: A Journal of Performance Studies* 12(1).
- Nunn, C. (2016). Introduction to Home: An exploratory journey with young Somali-Australians. *Liminalities: A Journal of Performance Studies* 12(1).
- Nunn, C., McMichael, C., Gifford, S.M. & Correa-Velez, I. (2016). Mobility and security: the perceived benefits of citizenship for resettled young people from refugee backgrounds. *Journal of Ethnic and Migration Studies* 42(3): 382-399.
- McMichael, C., Nunn, C., Gifford, S. & Correa-Velez, I. (2016). Return Visits and Belonging to Countries of Origin among Young People from Refugee Backgrounds. *Global Networks*

### Other (Digital/Visual Media)

- **Nunn, C.**, Aung, N.C., Htoo, W.D., Ku, H.G., PahThei, P., Lwe Pree, Andrews, J., Keegel, F., Kennedy, R., McPhillips, S. & Nguyen, D.C. (2016). Belonging in Bendigo (Exhibition), Morley's Emporium Community Arts Space, Bendigo, Australia.
- McPhillips, S., **Nunn, C.**, Aung, N.C., Htoo, W.D., Ku, H.G., PahThei, P., Lwe Pree, Andrews, J., Keegel, F., Kennedy, R. & Nguyen, D.C. (2016). [Belonging in Bendigo: A participatory arts-based research project with refugee background youth in an Australian regional city. \(Video\)](#).

### Report

- Wilding, R. & **Nunn, C.** (2016). [The Karen in Bendigo: Transforming Communities](#).

## Dr Kate O'Brien

### Journal Article

- **Measham, F., O'Brien, K. & Turnbull, G.** (2016). ["Skittles & Red Bull is my favourite flavour" E-cigarettes, smoking, vaping and the changing landscape of nicotine consumption amongst British teenagers – implications for the normalisation debate](#). *Drugs: Education, Prevention and Policy* 23(3): 224-237.

## Dr Boguslaw Obara

### Conference Paper

- **Carl J. Nelson, Chris Willcocks, Philip T.G. Jackson, Philippe Laisue & Boguslaw Obara** (2016), Application of high-speed level set segmentation to light sheet fluorescence microscopy, [Light Sheet Fluorescence Microscopy International Conference](#). Sheffield, UK.
- Nitin Mukerji, **Carl J. Nelson, Chris Willcocks, Philip T.G. Jackson & Boguslaw Obara** (2016), Real-time segmentation of brain vasculature and identification

of anomalies in magnetic resonance angiography, European Congress of Neurosurgery. Athens, Greece.

- Alhasson, Haifa F. & **Obara, Boguslaw** (2016), [2D adaptive grid-based image analysis approach for biological networks](#), IEEE International Conference on BioInformatics and BioEngineering. Taichung, Taiwan, IEEE, Piscataway, NJ, 230-237.

#### Journal Article

- **Massey, M.K., Kotsialos, A., Volpati, D., Vissol-Gaudin, E., Pearson, C., Bowen, L., Obara, B., Zeze, D.A., Groves, C. & Petty, M.C.** (2016). [Evolution of Electronic Circuits using Carbon Nanotube Composites](#). *Scientific Reports* **6**: 32197
- **Willcocks, Chris, Jackson, Philip T.G., Nelson, Carl J. & Obara, Boguslaw** (2016). [Extracting 3D parametric curves from 2D images of helical objects](#). *IEEE Transactions on Pattern Analysis and Machine Intelligence* **39**(9): 1757-1769.

#### Dr Emily J. Oliver

##### Journal Article

- **Oliver, E.J., Hanson, C.L., Lindsey, I.A. & Dodd-Reynolds, C.J.** (2016). [Exercise on referral: Evidence and complexity at the nexus of public health and sport policy](#). *International Journal of Sport Policy and Politics* **8**(4): 731-736.
- **Morris, R., Tod, D. & Oliver, E.J.** (2016). [An Investigation into Stakeholders' Perceptions of the Youth-to-Senior Transition in Professional Soccer in the United Kingdom](#). *Journal of Applied Sport Psychology* **28**(4): 375-391.

#### Dr Rebecca Oxley

##### Journal Article

- **Oxley, R. & Macnaughton, J.** (2016). [Inspiring change: humanities and social science insights into the experience and management of breathlessness](#). *Current Opinion in Supportive and Palliative Care* **10**(3): 256-261.

#### Professor Shaun Pattinson

##### Presentation

- **Pattinson, Shaun D.** (2016), Nuffield Council on Bioethics' work on NIPT so far, Non-invasive Prenatal Testing: The Challenges for Public Health, Law and Ethics. Bournemouth University.
- **Pattinson, Shaun D.** (2016), Using a Moot to Develop Students' Understanding of Human Cloning and Statutory Interpretation, SLS Annual Conference 2016. University of Oxford.

#### Dr Ivana Petrovic

##### Chapter in book

- **Petrovic, I.** (2016). [On Finding Homer: The Impact of Homeric Scholarship on the Perception of South Slavic Oral Traditional Poetry](#). In Homeric Receptions in Literature and Performing Arts. Efsthathiou, Athanasios & Karamanou, Ioanna Berlin: De Gruyter. **37**: 315-328.

- **Petrovic, A. & Petrovic, I.** (2016). Purity of Body and Soul in the Cult of Athena Lindia: On the Eastern Background of Greek Abstentions. In Purity and Purification in the Greek World: Concepts and Practices. Carbon, C. & Pirenne-Delforge, V. Université de Liège. 18000 words.
- **Petrovic, A. & Petrovic, I.** (Forthcoming). Catabasis in Hesiod's Theogony. In Roundtrip to Hades. Ekroth, G. & Nielsson, I. Brill Academic Publishers. 10000 words.
- **Petrovic, I.** (2016). The Style and Language of Epigrammatic Programmata. In Dialect, Diction, and Style in Greek Literary and Inscribed Epigram. Sistakou, Evina & Rengakos, Antonios Berlin: De Gruyter. **43**: 391-414.

#### Dr Ehmke Pohl

##### Journal Article

- **Osman, Deenah, Piergentili, Cecilia, Chen, Junjun, Sayer, Lucy, Usón, Isabel, Huggins, Thomas, Robinson, Nigel & Pohl, Ehmke** (2016). The Effectors and Sensory Sites of Formaldehyde-Responsive Regulator FrmR and Metal-Sensing Variant. *Journal of Biological Chemistry* **291**(37): 19502-19516.
- **Chisholm, David R., Valentine, Roy, Pohl, Ehmke & Whiting, Andrew** (2016). Conjugate Addition of 3-Butyn-2-one to Anilines in Ethanol: Alkene Geometric Insights through In Situ FTIR Monitoring. *The Journal of Organic Chemistry* **81**(17): 7557-7565.
- **Chisholm, D. R., Zhou, G.-L., Pohl, E., Valentine, R. & Whiting, A.** (2016). Practical synthetic strategies towards lipophilic 6-iodotetrahydroquinolines and -dihydroquinolines. *Beilstein Journal of Organic Chemistry* **12**: 1851-1862.

#### Dr Emma Poulton

##### Journal Article

- **Poulton, E.** (2016). Towards Understanding: Antisemitism and the Contested Uses and Meanings of 'Yid' in English Football. *Ethnic and Racial Studies* **39**(11): 1981-2001.

#### Prof Roy Andrew Quinlan

##### Chapter in book

- **Jarrin, M., Young, L., Wu, W., Girkin, J.M. & Quinlan, R.A.** (2016). In vivo, Ex Vivo, and In Vitro Approaches to Study Intermediate Filaments in the Eye Lens. In Intermediate Filament Proteins. Omar, M.B. & Liem, R. Elsevier. **568**: 581.
- **Perng, M.D., Huang, Y.S. & Quinlan R.A.** (2016). Purification of Protein Chaperones and Their Functional Assays with Intermediate Filaments. In Intermediate Filament Associated Proteins. Sonnenberg, A. & Wilson, K. Elsevier. **569**: 155-175.

##### Journal Article

- **Barnard, S., Ainsbury, E.A., Quinlan, R.A. & Buffler, S.** (2016). Radiation protection of the eye lens in medical workers—basis and impact of the ICRP recommendations. *The British Journal of Radiology* **89**(1060): 20151034.

- Barnes, S. & **Quinlan, R.A.** (2016). [Small molecules, both dietary and endogenous, influence the onset of lens cataracts](#). *Experimental Eye Research* **156**: 87-94.
- **Ismail, Vian S., Mosely, Jackie A., Tapodi, Antal Quinlan, Roy A. & Sanderson, John M.** (2016). [The Lipidation Profile of Aquaporin-0 Correlates with The Acyl Composition of Phosphoethanolamine Lipids in Lens Membranes](#). *Biochimica et Biophysica Acta (BBA) - Biomembranes* **1858**(11): 2763-2768.
- Zeraik, A., Staykova, M., Fontes, M., Nemuraité, I., Quinlan, R., Araújo, A. P. & DeMarco, R. (2016). [Biophysical dissection of schistosome septins: Insights into oligomerization and membrane binding](#). *Biochimie* **131**: 96-105.

#### **Dr Nadja Reissland**

##### **Authored book**

- Reissland, N & Kisilevsky, B (2016). [Fetal Development](#). Springer.

##### **Journal Article**

- Reissland, N., Lewis, S., Lal, M. & Patterson, L. (2016). [What is 'successful feeding' on the neonatal intensive care unit? A psychologist's perspective](#). *MIDRS Midwifery Digest* **26**(2): 231-235.
- Longflier, L., Soussignan, R., Reissland, N., Leconte, M., Marret, S., Schaal, B. & Mellier, D. (2016). [Emotional expressiveness of 5–6 month-old infants born very premature versus full-term at initial exposure to weaning foods](#). *Appetite* **107**: 494-500.

#### **Professor Deborah Riby**

##### **Journal Article**

- **Lough, E., Rodgers, J., Janes, E., Little, K. & Riby, D. M.** (2016). [Parent insights into atypicalities of social approach behaviour in Williams syndrome](#). *Journal of Intellectual Disability Research* **60**(11): 1097-1108.
- **Lough, E., Flynn, E. & Riby, D. M.** (2016). [Personal space regulation in Williams syndrome: The effect of familiarity](#). *Journal of Autism and Developmental Disorders* **46**(10): 3207-3215.
- Watts, S. J., Rodgers, J. & **Riby, D. M.** (2016). [A systematic review of the evidence for hyporesponsivity in ASD](#). *Review Journal of Autism and Developmental Disorders* **3**(4): 285-301.

#### **Dr Ian Rickard**

##### **Chapter in book**

- Rickard, I.J. (2016). [The Developmental Origins of Health and Disease: Adaptation Reconsidered](#). In [Evolutionary Thinking in Medicine: From Research to Policy and Practice](#). Alvergne, A., Jenkinson, C. & Faurie, C. Cham: Springer. 75-88.

##### **Journal Article**

- Berg, V., Lummaa, V., Rickard, I.J., Silventoinen, K., Capri, J. & Jokela, M. (2016). [Genetic Associations Between Personality Traits and Lifetime Reproductive Success in Humans](#). *Behavior Genetics* **46**(6): 742-753.

## Prof Charlotte Roberts

### Chapter in book

- **Roberts, C.A.** & Connell, B. (2016). [Guidance on recording palaeopathology \(abnormal variation\)](#). In [Guidelines to the standards for recording human remains](#). Brickley, M.B. & McKinley, J.I. Southampton: British Association for Biological Anthropology and Osteoarchaeology (BABAO). 1-25.

### Journal Article

- **Roberts, C. A., Caffell, A., Filipek-Ogden, K., Gowland, R. L. & Jakob, T.** (2016). [‘Til Poison Phosphorous Brought them Death’ A potentially occupationally-related disease in a post-medieval skeleton from north-east England](#). *International Journal of Paleopathology* **13**: 39-48.
- Müller, R., **Roberts, C.A.** & Brown, T.A. (2016). [Complications in the study of ancient tuberculosis: Presence of environmental bacteria in human archaeological remains](#). *Journal of Archaeological Science* **68**: 5-11.
- **Roberts, C.A.** (2016). [Palaeopathology and its relevance to understanding health and disease today: the impact of the environment on health, past and present](#). *Anthropological Review* **79**(1): 1-16.
- **Sparacello, V.S., Roberts, C.A., Canci, A., Moggi-Cecchi, J. & Marchi, D.** (2016). [Insights on the paleoepidemiology of ancient tuberculosis from the structural analysis of postcranial remains from the Ligurian Neolithic \(northwestern Italy\)](#). *International Journal of Paleopathology* **15**: 50-64.

## Dr Martin Roderick

### Journal Article

- Manley, A., **Roderick, M.** & Parker, A. (2016). [Disciplinary Mechanisms and the Discourse of Identity: The Creation of ‘Silence’ in an Elite Sports Academy](#). *Culture and Organization* **22**(3): 221-244.

## Dr Andrew J. Russell

### Journal Article

- Norman, A.H., **Russell, A.J.** & Merli, C. (2016). [The Quality and Outcomes Framework: Body commodification in UK General Practice](#). *Social Science & Medicine* **170**: 77-86.
- Maatz, A., Wainwright, M., **Russell, A., Macnaughton, J.** & Yiannakou, Y. (2016). [What’s ‘difficult’? A multi-stage qualitative analysis of secondary care specialists’ experiences with medically unexplained symptoms](#). *Journal of Psychosomatic Research* **90**: 1-9.

## Dr Charlotte Russell

### Chapter in book

- **Russell, CK., Volpe, LE. & Ball, HL.** (2016). [Sudden Infant Death Syndrome](#). In [Evolutionary Thinking in Medicine: From Research to Policy and Practice](#). Alvergne, A. Jenkinson, C. & Faurie, C. Springer.

### Journal Article

- **Ball, H., Howell, D., Bryant, A., Best, E., Russell, C. & Ward-Platt, M.** (2016). [Bed-sharing by breastfeeding mothers: who bed-shares, and what is](#)

[the relationship with breastfeeding duration?](#). *Acta Paediatrica* **105**(6): 628-634.

**Dr David Sanderson**

**Chapter in book**

- Sanderson, D. J. (2016). [Associative and nonassociative processes in rodent recognition memory](#). In *The Wiley Handbook on the Cognitive Neuroscience of Learning*. Murphy, R. A. & Honey, R. C. John Wiley and Sons. 179-200.

**Journal Article**

- Austen, J.M., Strickland, J.A. & Sanderson, D.J. (2016). [Memory-dependent effects on palatability in mice](#). *Physiology & Behavior* **167**: 92-99.

**Professor Corinne Saunders**

**Journal Article**

- Saunders, Corinne (2016). [Affective Reading: Chaucer, Women, and Romance](#). *Chaucer Review* **51**(1): 11-30.

**Professor Ted Schrecker**

**Chapter in book**

- Burges Watson, Duika & Schrecker, Ted (2016). [Politics for Food Security and Climate Changes](#). In *Reference Module in Food Sciences*. Elsevier.

**Journal Article**

- Schrecker, Ted (2016). [Neoliberalism and health: The linkages and the dangers](#). *Sociology Compass* **10**(10): 952-971.
- Schrecker, Ted (2016). ['Neoliberal epidemics' and public health: sometimes the world is less complicated than it appears](#). *Critical Public Health* **26**(5): 477-480.

**Dr Beng Huat See**

**Authored book**

- Gorard, S., See, B.H. & Morris, R. (2016). [The most effective approaches to teaching in primary schools: Rigorous evidence on effective teaching](#). Saarbrücken: LAP LAMBERT Academic Publishing.

**Journal Article**

- Gorard, S., Siddiqui, N. & See, B.H. (2016). [An evaluation of Fresh Start as a catch-up intervention: A trial conducted by teachers](#). *Educational Studies* **42**(1): 98-113.
- See, B.H. & Kokotsaki, D. (2016). [Impact of arts education on children's learning and wider outcomes](#). *Review of Education* **4**(3): 234-262.
- See, B.H. & Kokotsaki, D. (2016). [Context and Implications Document for: Impact of arts education on children's learning and wider outcomes](#). *Review of Education* **4**(3): 263-265.
- See, B.H. (2016). [An investigation into the teaching and learning of argumentation in first year undergraduate courses: A pilot study](#). *British Journal of Education Society and Behavioural Science* **18**(4): 1-25.

- See, B.H., Gorard, S. & Siddiqui, N. (2016). Teachers' use of research evidence in practice: a pilot study of feedback to enhance learning. *Educational Research* 58(1): 56-72

#### Report

- **Gorard, S., See, B.H. & Morris, R.** (2016). [Teacher Review of effective teaching approaches in primary schools](#). *School of Education*. Durham University.
- **Gorard, S., See, B.H. & Morris, R.** (2016). Literacy for Life - An interim evaluation report. Durham University.
- **Gorard, S., See, B.H., Siddiqui, N., Smith, E. & White, P.** (2016). [Youth Social Action Trials: Youth United Evaluation report and executive summary](#). *School of Education*. London, Education Endowment Foundation.
- **Gorard, S. & See, B.H.** (2016). [Review of effective teaching approaches in primary schools – Overview, conclusions and implications](#). *School of Education*. Durham University.

#### Dr Gary Sharples

##### Journal Article

- Nautiyal, A., Rani, P.S., **Sharples, G.J.** & Muniyappa, K. (2016). [Mycobacterium tuberculosis RuvX is a Holliday junction resolvase formed by dimerisation of the monomeric YggF nuclease domain](#). *Molecular Microbiology* 100(4): 656-674.
- Eissa, A.M., Abdulkarim, A., **Sharples, G.J.** & Cameron, N.R. (2016). [Glycosylated nanoparticles as efficient antimicrobial delivery agents](#). *Biomacromolecules* 17(8): 2672-2679.

#### Dr Nadia Siddiqui

##### Journal Article

- **Gorard, S., Siddiqui, N. & See, B.H.** (2016). [An evaluation of Fresh Start as a catch-up intervention: A trial conducted by teachers](#). *Educational Studies* 42(1): 98-113.

##### Presentation

- **Ventista, O.M. & Siddiqui, N.** (2016), [Which school interventions are beneficial for the development of non-cognitive skills of primary school students? A review of existing evidence](#), *The European Conference of Educational Research (ECER) 2016, Leading Education: The Distinct Contributions of Educational Research and Researchers*. Dublin, Ireland.

##### Report

- **Gorard, S., See, B.H., Siddiqui, N., Smith, E. & White, P.** (2016). [Youth Social Action Trials: Youth United Evaluation report and executive summary](#). *School of Education*. London, Education Endowment Foundation.
- **Gorard, S. & Siddiqui, N.** (2016). [Grammar schools in England: a new approach to analysing their intakes and outcomes](#). *School of Education*. Durham University.

**Professor Bob Simpson**

**Journal Article**

- **Simpson, R.** (2016). [IVF in Sri Lanka: A concise history of regulatory impasse](#). *Reproductive Biomedicine & Society Online* **2**: 8-15.

**Dr Benedict Smith**

**Journal Article**

- **Smith, Benedict** (2016). [Naturalism, Experience, and Hume's 'Science of Human Nature'](#). *International Journal of Philosophical Studies* **24**(3): 310-323.

**Prof Roger Smith**

**Journal Article**

- Domac, S., Anderson, E.S. & **Smith, R.** (2016). [Learning to be interprofessional through the use of reflective portfolios?](#). *Social Work Education* **35**(5): 530-546.

**Dr Daniel Smith**

**Journal Article**

- Cole, G.G., Atkinson, M., Le, A.T.D. & **Smith, D.T.** (2016). [Do humans spontaneously take the perspective of others?](#). *Acta Psychologica* **164**: 165-168.

**Prof. Jonathan W. Steed**

**Journal Article**

- Cayuela, Angelina, Soriano, M. Laura, **Kennedy, Stuart R., Steed, J. W.** & Valcárcel, M. (2016). [Fluorescent carbon quantum dot hydrogels for direct determination of silver ions](#). *Talanta* **151**: 100-105.
- Kumari, Harshita, Kline, Steven R., **Kennedy, Stuart R.**, Garvey, Christopher, Raston, Colin L., Atwood, Jerry L. & **Steed, Jonathan W.** (2016). [Manipulating three-dimensional gel network entanglement by thin film shearing](#). *Chemical Communications* **52**(24): 4513-4516.
- **Corner, Philip A., Harburn, J. Jonathan, Steed, Jonathan W.**, McCabe, James F. & **Berry, David J.** (2016). [Stabilisation of an amorphous form of ROY through a predicted co-former interaction](#). *Chemical Communications* **52**(39): 6537-6540.
- Ruiz-Palomero, Celia, **Kennedy, Stuart R.**, Soriano, M. Laura, **Jones, Christopher D.**, Valcárcel, Miguel & **Steed, Jonathan W.** (2016). [Pharmaceutical crystallization with nanocellulose organogels](#). *Chemical Communications* **52**(50): 7782-7785.
- Qureshi, Naseem, **Yufit, Dmitri S.**, Steed, Kirsty M., **Howard, Judith A. K.** & **Steed, Jonathan W.** (2016). [Anion Hydrogen Bonding from a 'Revealed' Urea Ligand](#). *CrystEngComm* **18**: 5333-5337.
- **Kennedy, Stuart R., Miquelot, Adeline, Aguilar, Juan A.** & **Steed, Jonathan W.** (2016). [Trimeric Cyclamers: Hierarchical High Z' Crystal Engineering Based on Guest Structure and Basicity](#). *Chemical Communications* **52**(79): 11846-11849.

- **Reddy, J. Prakasha & Steed, Jonathan W.** (2016). [Polymorphism of \(Z\)-3-Bromopropenoic acid: a high and low Z' pair](#). *Crystal Growth & Design* **16**: 4021-4025.
- Kaufmann, Lena, **Kennedy, Stuart R., Jones, Christopher D. & Steed, Jonathan W.** (2016). [Cavity-Containing Supramolecular Gels as a Crystallization Tool for Hydrophobic Pharmaceuticals](#). *Chemical Communications* **52**(66): 10113-10116.
- **Lee, Rachael,** Firbank, Andrew J., Probert, Michael R. & **Steed, Jonathan W.** (2016). [Expanding the Pyridine–Formic Acid Cocrystal Landscape under Extreme Conditions](#). *Crystal Growth & Design* **16**(7): 4005-4011.
- **Perrin, Andrea,** Musa, Osama M. & **Steed, Jonathan W.** (2016). [Modulating the Hydration Behaviour of Calcium Chloride by Lactam Complexation](#). *Dalton Transactions* **45**(30): 12181-12187.
- **Horner, Kate E., Miller, Mark A., Steed, Jonathan W. & Sutcliffe, Paul M.** (2016). [Knot theory in modern chemistry](#). *Chemical Society Reviews* **45**(23): 6432-6448.
- **Jones, Christopher D. & Steed, Jonathan W.** (2016). [Gels with sense: supramolecular materials that respond to heat, light and sound](#). *Chemical Society Reviews* **45**(23): 6546-6596.
- **Lee, Rachael,** Mason, Sax A., Mossou, Estelle, Lamming, Glenn, Probert, Michael R. & **Steed, Jonathan W.** (2016). [Neutron Diffraction Studies on Guest-Induced Distortions in Urea Inclusion Compounds](#). *Crystal Growth & Design* **16**(12): 7175-7185.

#### **Dr Jamie Tehrani**

##### **Journal Article**

- Graça da Silva, S. & **Tehrani, J. J.** (2016). [Comparative phylogenetic analyses uncover the ancient roots of Indo-European folktales](#). *Royal Society Open Science* **3**(1): 150645.

#### **Dr Lore Thaler**

##### **Journal Article**

- **Thaler, Lore & Castillo-Serrano, Josefina** (2016). [People's ability to detect objects using click-based echolocation: A direct comparison between mouth-clicks and clicks made by a loudspeaker](#). *PLOS ONE* **11**(5): e0154868.
- **Thaler, L. & Goodale, M.A.** (2016). [Echolocation in humans: an overview](#). *Wiley Interdisciplinary Reviews: Cognitive Science* **7**(6): 382-393.

#### **Dr Katie Thomson**

##### **Journal Article**

- **Thomson, K., Bambra, C., McNamara, C., Huijits, T. & Todd, A.** (2016). [The effects of public health policies on population health and health inequalities in European welfare states: Protocol for an umbrella review](#). *Systematic Reviews* **5**: 57.
- Thomson, K.H., Renneberg, McNamara, C., Akhter, N., Reibling, N. and Bambra, C. (2016). Regional inequalities in chronic conditions in European

countries: Findings from the first European Social Survey health module. *European Journal of Public Health*

### **Prof Carole Torgerson**

#### **Journal Article**

- Chisholm, K., Patterson, P., **Torgerson, C.**, Turner, E., Jenkinson, D. & Birchwood, M. (2016). [Impact of contact on adolescents' mental health literacy and stigma: the SchoolSpace cluster randomised controlled trial](#). *BMJ Open* 6(2): e009435.

#### **Report**

- **Menzies, V., Kasim, A., Kokotsaki, D.**, Hewitt, C., Akhter, N., Collyer, C., **Younger, K.**, Wiggins, A. & **Torgerson, C.** (2016). [Hallé SHINE on Manchester: Evaluation report and executive summary](#). Education Endowment Foundation.
- **Torgerson, C.**, Ainsworth, H., Buckley, H., Hampden-Thompson, G., Hewitt, C., Humphry, D., Jefferson, L., Mitchell, N. & Torgerson, D. (2016). [Affordable Online Maths Tuition: Evaluation report and executive summary](#). Education Endowment Foundation.

### **Professor Graham Towl**

#### **Authored book**

- Walker, Tammi & **Towl, Graham** (2016). *Preventing Self-injury and Suicide in Women's Prisons*. Waterside Press.

#### **Journal Article**

- **Towl, Graham & Crighton, David** (2016). [The emperor's new clothes?](#) *Psychologist* 29(3): 188-191.

### **Dr Jonathan Tummons**

#### **Journal Article**

- MacLeod, A., Kits, O., Mann, K., **Tummons, J.** & Wilson, K. (2016). [The Invisible Work of Distributed Medical Education: Exploring the Contributions of Audiovisual Professionals, Administrative Professionals and Faculty Teachers](#). *Advances in Health Sciences Education* 22: 623-638.
- **Tummons, J.** (2016). ['Very positive' or 'vague and detached'? Unpacking ambiguities in further education teachers' responses to professional standards in England](#). *Research in Post-Compulsory Education* 21(4): 346-359.

### **Prof Peter Tymms**

#### **Chapter in book**

- **Merrell, C. & Tymms, P.** (2016). [Assessing Young Children: Problems and Solutions](#). In *Understanding What Works in Oral Reading Assessments: Recommendations from Donors, Implementers and Practitioners*. Montreal: UNESCO Institute for Statistics (UIS). 126-133.

#### **Journal Article**

- Zeneli, M., **Tymms, P.** & **Bolden, D.** (2016). [The impact of interdependent cross-age peer tutoring on social and mathematics self-](#)

[concepts](#). *International Journal of Psychology and Educational Studies* **3**(2): 1-13.

#### Presentation

- **Tymms, P. & Merrell, C.** (2016), What impact does the first year of school have on later success?, [International Congress for School Effectiveness and Improvement](#). Glasgow.

#### Dr Ruth Wadman

##### Journal Article

- Wadman, R., Clarke, D., Sayal, K., Vostanis, P., Armstrong, M., Harroe, C., Majumder, P. & Townsend, E. (2016). An Interpretative phenomenological analysis of the experience of self-harm repetition and recovery in young adults. *Journal of Health Psychology*
- Townsend, E, Wadman, R, Sayal, K, Armstrong, M, Harroe, C, Majumder, P, Vostanis, P & Clarke, D (2016). Uncovering key patterns in self-harm in adolescents: Sequence analysis using the Card Sort Task (CaTS). *Journal of Affective Disorders*

#### Dr Lisa Webster

##### Journal Article

- **Mawn, L., Welsh, P., Kirkpatrick, L., Webster, L.A.D. & Stain, H.J.** (2016). [Getting it right! Enhancing youth involvement in mental health research](#). *Health Expectations* **19**(4): 908-919.

#### Dr Charlotte Wilhelm-Benartzi

##### Journal Article

- Mahendru, A.A., **Wilhelm-Benartzi, C.S.**, Wilkinson, I.B., McEniery, C.M., Johnson, S. & Lees, C.C. (2016). Gestational length assignment based on last menstrual period, first trimester crown rump length, ovulation and implantation timing.
- **Wilhelm-Benartzi, C.S.**, Fiorentino, F., Mt-Isa, S., Brown, R. & Ashby, D. (2016). Challenges and methodology in the incorporation of biomarkers in cancer clinical trials.
- Bonito, N., Borley, J., **Wilhelm-Benartzi, C.**, Ghaem-Maghami, S. & Brown, R. (2016). [Epigenetic regulation of the homeobox gene MSX1 associates with platinum resistant disease in high grade serous epithelial ovarian cancer](#). *Clinical Cancer Research* **22**(12): 3097-3104.

#### Dr Sam Wilkinson

##### Journal Article

- Ratcliffe, M. & Wilkinson, S. (2016). [How anxiety induces verbal hallucinations](#). *Consciousness and Cognition* **39**: 48-58.
- Wilkinson, S. & Alderson-Day, B. (2016). [Voices and Thoughts in Psychosis: An Introduction](#). *Review of Philosophy and Psychology* **7**(3): 529-540.
- Wilkinson, Sam & Bell, Vaughan (2016). [The Representation of Agents in Auditory Verbal Hallucinations](#). *Mind & Language* **31**(1): 104-126.

- Wilkinson, S. (2016). [A Mental Files Approach to Delusional Misidentification](#). *Review of Philosophy and Psychology* **7**(2): 389-404.

**Dr Jun Jie Wu**

**Journal Article**

- Liu, S., Zhang, M., Fang, F., Cui, L., **Wu, J.J.**, Field, R. & Zhang, K. (2016). [Biogenic silver nanocomposite TFC nanofiltration membrane with antifouling properties](#). *Desalination and Water Treatment* **57**(23): 10560-10571.

