

# Wolfson Research Institute for Health and Wellbeing



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Annual Report 2017

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## Message from the Executive Director

Welcome to our 2017 Annual Report. We hope that it gives you a sense of the progress we have made with establishing our new Vision, and Strategy by which to achieve it, over the past year.

As an interdisciplinary Institute, our vision is to support groupings of academics and stakeholders that can address the beginning, the middle and the end of a problem. In academia, we are often very good at identifying problems (the beginning) and quantifying the extent of their influence (the middle) but we are less good at sharing different viewpoints of these aspects to produce a demonstrable and generalizable solution (the end). By encouraging the formulation of such groups and including stakeholders (e.g. end-users, service providers, industry partners) in the process, we can address issues relating to Health and Wellbeing in a holistic and robust way. As you will see in the following pages, many of our groups have evolved over the past year to address predictive markers, from ill-health to efficacy of interventions. By re-introducing the individual as a valuable resource, we can use our shared knowledge and expertise to create, evidence and choose appropriate solutions such that we can help all of the people all of the time instead of some of the people some of the time.

As you may know, the departure of the School for Medicine, Pharmacy and Health (SMPH) caused a re-evaluation of our mission and the place that Durham University has in addressing issues of Health and Wellbeing. A scoping exercise of the health-related work that is undertaken across each faculty concluded that here at Durham University, we have people working on every aspect of health and without this research, our medical health professional colleagues would have little evidence by which to make their clinical decisions. We are interested in the factors throughout the life-course that facilitate health, and those that adversely affect health, how people react to ill-health, how they recover, the effect this has on families, how to promote healthier lifestyles, regional variabilities therein *etc etc*. To this end, we are investigating health and wellbeing in a 360 degree way, looking at the myriad of factors that affect health and how a person can be helped when it degrades. Our Health 360 approach makes it possible for us to evidence changes society can make to ensure a healthier population and also provides a basis for our clinicians, health professionals, educators and policy makers to make more informed decisions and better predict outcomes.

We have increased our support of early career researchers (ECR), establishing a WRIHW ECR committee and support them in the organisation of a yearly conference and, at least, termly events. By growing our community of ECRs we ensure that interdisciplinarity and its usefulness as a tool is engrained in the next generation of academics whilst exposing them to new methodologies and viewpoints to inform their intellectual development. In addition to our activity on social media, our engagement with our fellowship has also changed with the publication of a biweekly newsletter (see here for the archive <https://www.durham.ac.uk/wolfson.institute/newsletter>) that keeps our fellows up to date with happenings across the Institute and the sector.

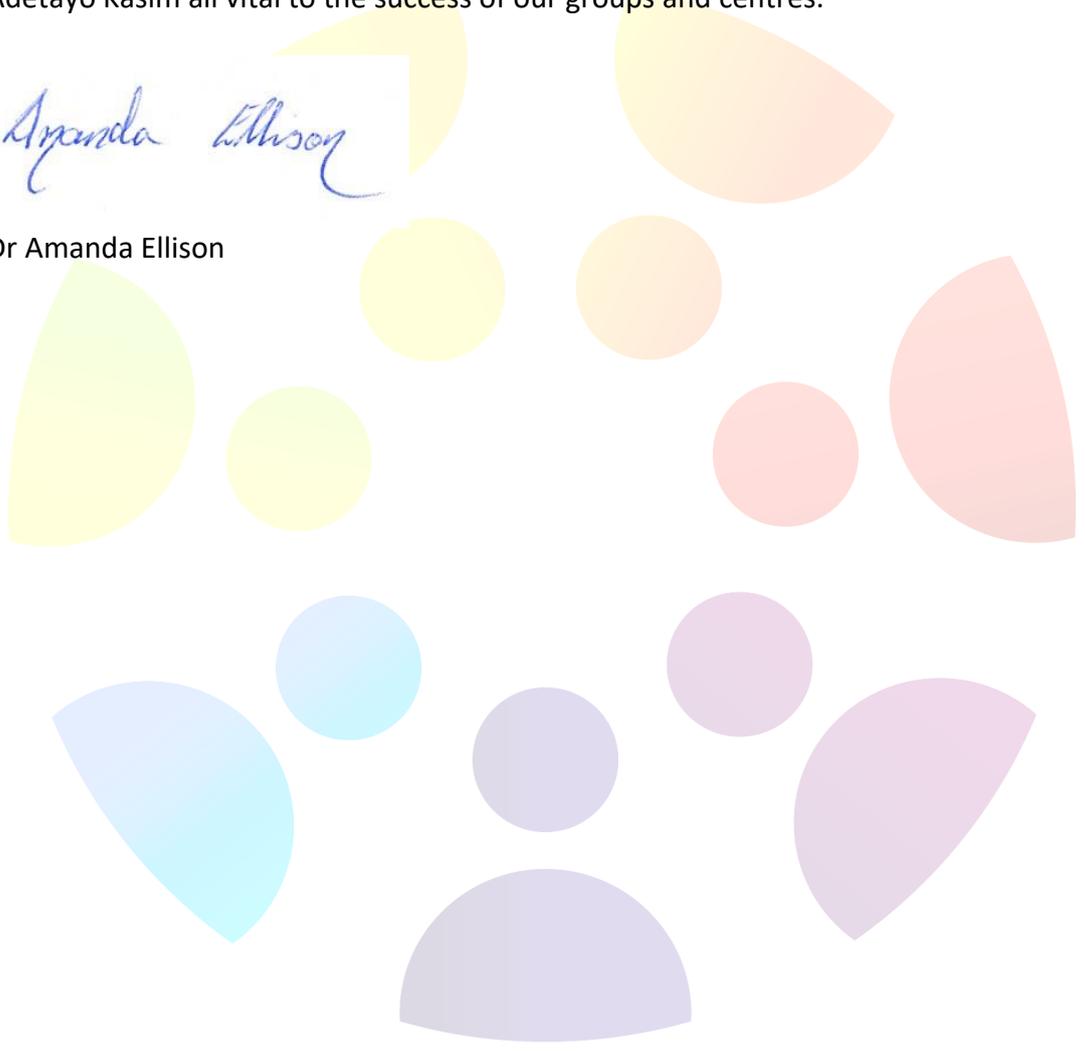
In the coming year, we are looking forward to helping consolidate Durham University's place in Health and Wellbeing research through the development of our Health Hub in partnership with CMH and BSI. Our Health 360 approach will therefore continue to thrive rightfully placing us at the forefront of addressing societal challenges and changing lives for the better.

As Executive Director, I would like to take this opportunity to express my thanks for the hard work and dedication of our Admin team led by Suzanne Boyd, and our outgoing Co-Director, Dr Paul Chazot in addition to our Statistics Team led by Dr Adetayo Kasim all vital to the success of our groups and centres.



Amanda Ellison

Dr Amanda Ellison



## Meet the Wolfson Team

### Dr Amanda Ellison

Executive Director



Amanda is neuroscientist and Associate Professor (Reader) in the Psychology Department. Interested in the neural basis of behaviour, her research projects cover a broad spectrum of disciplines from medicine through psychology to physics. She has been active in the Wolfson community since 2002 and has been Executive Director since 2015.

In addition to being involved in the strategic development of the Institute, Amanda also sits on the Science Faculty Research Committee, is the Director of Impact for Psychology and is the director of the Cognitive Neuroscience Research Unit that seeks to bridge the gap between basic research related to how the brain works with effective rehabilitation paradigms when behaviour is affected by brain damage.

Amanda is passionate about academic communication and to this end she writes popular science books and is frequently asked for comments by the media and to give after-dinner speeches.

### Dr Adetayo Kasim

Associate Professor (Research)



Adetayo is an expert in statistical methodology and its application in health and wellbeing. He is a member of Anthropology department. He is a chartered fellow of the Royal Statistical Society and works with colleagues across different departments in the university.

Adetayo's research interests include the development and application of statistical methods in chemo-genomics, global health, and health inequality, clinical and social trials. Adetayo regularly publishes in scientific journals and engages in national and international research meetings, workshops and conferences. Adetayo supervises PhD students at Durham University and externally at Centre for Statistics, University of Hasselt Belgium.

He is a member of Durham's evaluation team for Education Endowment Foundation. He collaborates with clinicians from NHS Trusts through Research Design Service-North East. Adetayo is a Visiting Professor at University of Gondar, Ethiopia and a Co-Director of the university's Research Centre for Epidemiology and Biostatistics. Adetayo also engages in statistical consulting and industrial collaboration, including with Janssen Pharmaceutical, Beerse, Belgium and Zoetis, Zaventem, Belgium.

### Dr Nasima Akhter

Assistant Professor (Research)



Nasima Akhter is a member of Wolfson Research Institute of Health and Wellbeing and Department of Anthropology at Durham University. She has over 15 years' experience in quantitative research, specialising in evaluation of health interventions, project monitoring and data analysis. She is experienced in global health and nutrition, especially in the context of Asian countries. She teaches statistical concept and analytical methods to non-statisticians, facilitates grant applications and support scientific publications.

Her areas of interest include evaluation of complex interventions, health inequality, gender, maternal nutrition, Bangladeshi diaspora in UK. She previously worked as a quantitative researcher for the Helen Keller International Bangladesh's Nutritional Surveillance Project, Homestead Food Production Program. She has also previously consulted for the WHO, UNHCR, Save the Children.

## Mrs Suzanne Boyd

Administrator and PA



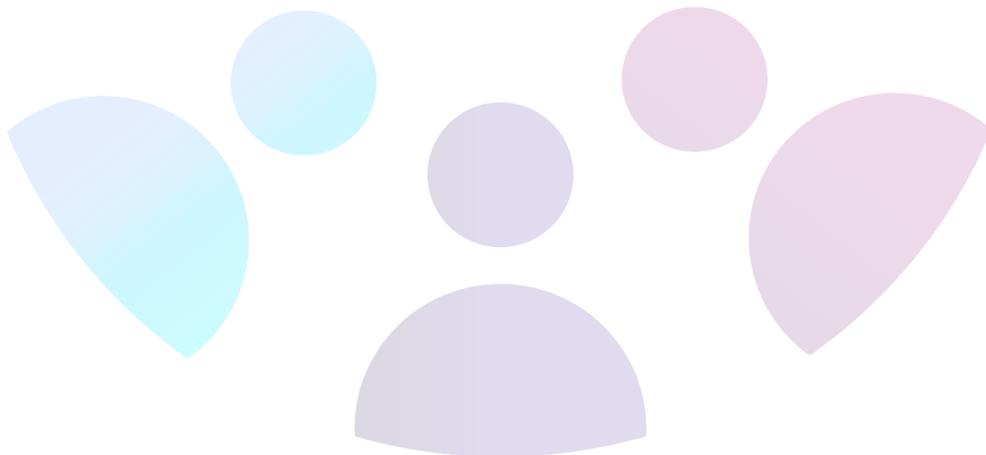
Suzanne is the Administrator of the Wolfson Research Institute for Health and Wellbeing as well as PA to the Executive Director. Suzanne is responsible for the day to day running of the Institute, dealing with matters pertaining to HR, Budget and the Wolfson Funding Scheme. She is responsible for the Institute website and twitter feed, as well as supporting key Wolfson-related projects and grants. Suzanne supports the Fellowship of the Institute as well as leading and managing the administration team.

## Miss Jennifer Cook

Administrative Assistant



Jennifer is responsible for general administration at the Institute and assists with all Wolfson lectures, seminars and workshops as well as supporting Early Career Researcher (ECR) events. She Supports Dr Kasim with diary management and produces the Fortnightly WRIHW Newsletter. Jennifer is the Health and Safety contact for the Institute and also administers the Wolfson Fellowship and Postgraduate Associate applications.



## Wolfson Funded Projects

Every year the Wolfson Research Institute for Health and Wellbeing opens a competitive funding scheme for research within the Institute's remit that is designed to lead to the submission of an externally-funded large grant proposals within 12 months of completing the WRIHW grant.

This year the Institute funded 7 new projects to the value of £32,084, summaries of each are below. The total sum of financial support provided to Wolfson Centres, SIGS and Projects in 2017/18 is £61,813.

### En'Light'en Project: towards dynamic healthcare environments

Illness and incapacity confines us. As patients we spend our time in constructed spaces. Once, taken-for-granted experiences become memories: the sound of the sea and the feeling of a salty sea breeze; the smell of freshly cut grass and sound of wind in the trees; light reflected on water; a spectacular sunrise; the view from the top of a hill; etc. Research has demonstrated clear links between the visual experience of landscape; patient recovery and general wellbeing. For hospital patients, a view on to nature is known to have positive effects on recovery, reducing length of stay. For many, however, due to the "medicalised" design of hospital buildings, this is not an option.

This internationally competitive multidisciplinary cross-faculty programme supported by the WRIHW seeks to establish novel economic ways to bring a sense of the natural environment into healthcare settings with the aim of improving wellbeing and rates of recovery. Artist Dr Laura Johnston, a recent Durham Leverhulme Artist in Residence, is working in close collaboration with Dr Paul L Chazot (Biosciences) and Dr Edel McCauley (S Tees HDU Clinical research fellow), Professors Steve Bonner (Critical care medicine, S Tees NHS Foundation Trust), Gordon Love (Computing Sciences) and John Girkin (Physics and Centre for Visual Arts and Culture at Durham University), to develop inexpensive personally-controlled devices that bring visual views and a sense of the 'dynamic' natural environment to patients and staff in hospital and hospice settings. The impact of the devices will be evaluated and benefits on health and wellbeing will be established, both qualitatively and quantitatively.

### Centre in Infancy and Sleep

This funding will be used to support a large grant application for an ESRC Centre in Infancy and Sleep. The Centre proposes to bring together a core team of Durham researchers in Anthropology with a network of clinicians and researchers in other disciplines including psychology, public health, epidemiology, statistics and sociology, as well as with research users. The Centre's aim is to critically re-evaluate and extend existing knowledge on infancy and sleep, reconceptualising theories of

infant sleep development via detailed comparative examination of the parent-infant sleep experience in multiple cultural and social ecologies situated within contemporary local and global contexts, to challenge the authoritative wisdom of prevailing western parenting advice and health care guidance regarding infant sleep. Although this work has far reaching practical applications for health (as infant sleep is increasingly medicalised in our culture), the questions we address are fundamentally grounded in social science disciplinary perspectives. Our research programme for DISC takes up the challenge of transforming contemporary theory and practice around conceptualisations of infancy and sleep by asking critical anthropological questions, generating new theory, and producing novel data via basic, applied and translational interdisciplinary research.

### Critical Toxicologies: New Perspectives on Old Poisons

In a world of growing chemical dangers, are we all toxicologists now? How are complex responsibilities for, and pathways of, toxic regulation, exposure, and protection claimed by different expert and lay groups? Integrating social and health sciences, the research offers innovative approaches to a problem of significant public concern – how to navigate a world of (often hidden) toxicity in which acquiring toxicological knowledge becomes essential for healthy living. The research will adopt a comparative perspective across Europe, South Asia, and Latin America. There, the release of immuno-, neuro-, and endocrine-disrupting chemicals into water, air, and food generate medical, social, and environmental movements that offer new perspectives on old problems – most crucially, when does a remedy become a poison, and a poison become a remedy, and can a state of purity ever be achieved? The research will explore biomedical toxicologies and its critical alternatives ('queer,' 'subaltern,' 'conspiratorial,' 'citizen-led') as they are mobilised to aid toxicological understanding. Opportunities arising from the research include developments in: (1) interdisciplinary theoretical understanding of poisons as biological and social agents; (2) relationships between toxic materialities and toxic discourses in contexts of poor health outcomes; (3) the role of citizen-led science in strengthening toxicological knowledge.

### Giving up tobacco – heritage and alternative livelihoods in former tobacco growing communities in Australasia

Article 17 of the WHO's Framework Convention on Tobacco Control (FCTC) is 'Provision of support for economically viable alternative activities'. This project looks at how a legacy of tobacco cultivation can be recognised and shaped into appropriate heritage activities in informative but unsentimental ways. It is being planned in association with Ruth Young, an archaeologist at Leicester University who is an expert in developing community collaborations around local heritage. Motueka is a former tobacco-growing town in Aotearoa/New Zealand where economically viable alternatives have been successfully introduced within living memory, while the town's museum has developed an engaging exhibit commemorating its tobacco

heritage. The researchers plan to visit the museum and see its tobacco exhibit when it is back in situ again following a period of closure for earthquake strengthening and refurbishment work. There they will discuss possibilities for the further development of the exhibit and the archives held by the Motueka Historical Association that have been in storage. They will also explore the potential for mapping the standing and more ephemeral remains of the surrounding 'tobacco landscape'. Motueka could be a model for other places that have given up tobacco cultivation. There are many former tobacco-growing communities in Australia whose tobacco heritage is marked in different ways and, in some cases, not at all. By developing a network of extant Historical Associations in such communities, the project is intended as a precursor for the development of a funded partnership of academics and former tobacco-growing communities in Australasia that have transitioned to economically viable alternative activities as a model for other nations to follow.

### Haemodynamics in human right heart

In this Wolfson funded project, a UG research assistant will be recruited to conduct preliminary data analyses on haemodynamics in human right heart. The data acquired at Newcastle University MR centre by the-state-of-the-art phase-contrast MR technique, provide not only scalar magnitude but also three velocity components, both resolved to twenty cardiac phases. Due to the uniqueness of the technique, the analyses involve manual segmentation of the right atrium and ventricle geometry by an in-house developed software.

The project will provide necessary benchmark data to develop an external major grant application aiming to make an important change to the current main cardiovascular experimental research practice from in-vivo measurements on human volunteers or animals to in-vitro measurements on realistic phantom models using high accuracy, high spatiotemporal resolution non-invasive engineering laboratory tools. It effectively changes the focus of the research from clinical medicine oriented to multiple disciplines. Use of phantoms also permits reliable control of physical parameters, cycle repeatability and is in line with the principles of the 3Rs.

The proposal to be developed will perform in-depth experimental investigation of haemodynamics, wall-motion characteristics and their interaction, from which physical models will be established and computational model can be validated. Artificial tricuspid valves will also be tested on phantom models to investigate their primary impact on physiological haemodynamics. The proposal will involve national (Durham Engineering and Newcastle Cardiovascular Research Centre) and international (National University of Singapore) collaborators, who are specialised in clinical medicine, solid and fluid mechanics, bio-material engineering, respectively, hence is strongly interdisciplinary.

## Dance Programme for People with Chronic Breathlessness

The aim of this programme is to trial a dance activity for people who live with chronic breathlessness in North East England. It derives from research carried out through the Wellcome Trust-funded *Life of Breath* project in the Centre for Medical Humanities at Durham University and provides an opportunity to translate our research into action with this underserved group.

We see this as a real opportunity for translation of our research by advancing a potentially important adjunct to therapy for people with breathlessness and to show that our research has the potential to provide real benefits to patients addressing a gap in approaches to management

### Rationale

Chronic breathlessness is difficult to treat and few resources are available to patients. A key approach to treatment is to offer 'pulmonary rehabilitation', an exercise programme run by specialist physiotherapists in a gym-like space. Uptake is poor and previous research suggests this is because people with breathlessness do not like being made to feel even more breathless through exercise. Our research with British Lung Foundation 'Breathe Easy' support group participants has added further nuances to this, including the unfamiliarity of the gym-like space and that patients are put off by the language of 'pulmonary' and 'rehabilitation'. Interdisciplinary, collaborative work with neuroscientists has also revealed that people with chronic breathlessness have poor 'interoception' or bodily awareness. In collaboration with a dance teacher we propose that a dance programme would address these issues by providing exercise in more culturally familiar form, in a non-challenging space, engaging the entire body and changing the language of engagement with a therapeutic programme.

Working with Williams, who has experience of devising dance programmes for people with respiratory disease, we propose to offer a series of 10 weekly dance workshops to people with chronic breathlessness. Building on existing strong relationships with Breathe Easy Darlington, whose members have expressed interest in being involved, we would like to base the workshops in that area. We hope this pilot programme will provide 'proof of concept' for dance as a valuable activity for people with chronic breathlessness and that in due course it might be rolled out through the British Lung Foundation's Integrated Breathe Easy model. This means that there is the potential for this impact to reach beyond the immediate area and be taken up nationally or even internationally in a similar way to the existing 'Singing for Lung Health' programmes. The ubiquitous nature of dance means there is scope for tailored culturally relevant programmes in every corner of the globe.

## Apologies, Vows and Cultural Betrayal

The Wolfson has funded Durham's Centre for Death and Life Studies until July 2018 to pursue some networked thinking of potentially interested parties with the aim of

making an application to a major research funder for a project on 'Apologies Vows and Cultural Betrayal'. This might well engage colleagues in anthropology-sociology, theology and ethics, history and law, psychology, and the medical humanities at large. My hypothesis is that there are strong theoretical advances to be made, and practical outcomes to be considered, by linking these topics in an interdisciplinary way. I'd be glad to hear from interested colleagues.

The field is broad because **Apologies** proliferate in contemporary worlds of politics, NHS, BBC, churches, colleges and universities, with leaders challenged to change their or predecessors' stance now regarded as offensive. In society at large **Vows** pervade legal, medical, and clerical professions, as well as marriage and partnership ceremonies, and some voluntary organisations. One theoretical issue concerns how vows inform, sustain, or constrain those taking or breaking them. This is where **Cultural Betrayal** enters the field when radically disruptive acts of doctors, priests, police, politicians, spouses or partners shake public / private confidence and this is precisely where all three topics cohere in terms of human wellbeing. What can be made of these issues remains to be seen.

## 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.

## Pain SIG Report

Activities

### **Royal Society grant – Optimising spinal stimulation for pain relief.**

Optimization of basic parameters of spinal cord stimulation (SCS) like amplitude, pulse width and frequency is of pivotal importance to improve its efficacy. Recently, an important aspect of SCS therapy combining higher frequency and longer pulse duration has been introduced and named as High Density (HD) SCS. While HD SCS permits higher charge per



second, present challenges require identification whether effects of SCS are dependent on total charge or frequency alone as well as the site of action within the dorsal horn and/or dorsal columns. Thus, we set out to examine the effect of an increase of total charge delivered via SCS to the dorsal columns and/or different duty cycles on therapeutic outcomes by allowing different amounts of energy to be delivered to neural tissue in an animal model of neuropathic pain. The study provided the first evidence for the prolonged analgesic effect produced by a combination of conventional and HD SCS delivered over 7 days of stimulation. This current observation supports the idea of using multiple programs rather than a single program, and suggests novel evidence for improving treatment of chronic neuropathic pain and SCS effectiveness that may directly fuel the development of strategies with immediate clinical benefit.

### **Akari Therapeutics (UK) grant and Patent - Histamine modulation for neuropathic pain and itch**

We have validated the recombinant histamine binding protein EV131 and assessed its efficacy in neuropathic pain and itch. The native protein occurs in tick saliva where it's anti-inflammatory activity counters the host's immunological response at the tick feeding site. Our findings provide the first evidence for the analgesic effects of EV131 upon neuropathic pain related mechanical hypersensitivity, and histamine-dependent pruritis, thus emphasizing the importance of the histamine system in the modulation of peripheral neuropathies and itch. This yielded the basis for a newly filed patent together with Akari Therapeutics (UK).



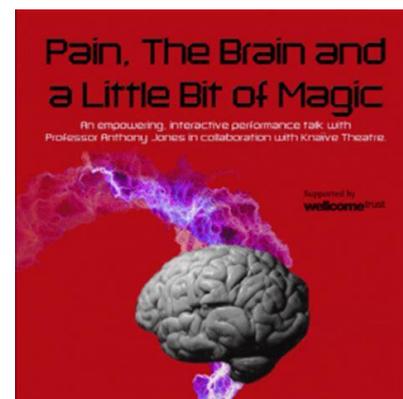
### **Livewellwithpain.co.uk**



A new website resource has been created and is being evaluated in collaboration with Dr Frances Cole (GP Pain Rehabilitation specialist, Yorkshire) and Emma Davies (Pharmacy Pain specialist, Swansea University). This is a website for supporting clinicians to develop patients' self-confidence to live well with pain through better knowledge, skills and resources to guide them. This is designed to help clinicians enable greater self-confidence in patients to be clearer about their needs, manage or cope with their pain well and be more effective in their use of health care. The resources offer a choice of written and audiovisual content, some written with patients; video clinical demonstrations on how to approach pain management to shift conversations towards a focus on the changeable aspects of pain. They are patient-focused and can be linked seamlessly via confidential email link with individual. The site will allow doctors to engage the patient to take action to live well and enjoyable and manage medication optimally and safely.

### **Pain, brain and Magic**

A short film (15-20 mins) of the Wellcome Trust-funded show 'Pain, the brain and a little bit of magic' will be created in collaboration with Prof Anthony Jones



(University of Manchester) and Knaive Theatre. FBMH Social Responsibility in the curriculum fund). This is a multi-faceted performance show using sculpture (giant-unfolding brain), poetry, music, audience participation, story-telling and theatre to convey the key scientific, cultural and therapeutics aspects of chronic pain made in conjunction with Knaive Theatre. It had a very successful tour of the NW and various arts festivals and a scientific conference, BNA Festival of Neuroscience, Birmingham, 2016/2017 hosted by WRIHW, with very good feedback from 500 participants (98 % rated it as good or excellent). We are planning a National Tour (Wellcome Trust application planned for 2018), including Durham University (supported by WRIHW) but prior to that we intend to consolidate the legacy of the show so that different audiences can access the main positive messages of the show. This will be achieved with three short films (15-20 mins) for three different audiences: 1/ Patients and relatives 2/GPs and 3/ Students (neuroscience, psychology, pharmacy, pharmacology, Bioscience, medical and nursing students). *This successful application will focus on producing a short film for students that gives them sufficient understanding of chronic pain to be able to explain the key issues to patients, friends or family.*

### **Pain clinic Enlighten project**

As part of the Enlighten Leverhulme, Arts Council and WRIHW-funded project, we set up a light and water wall installation in the Pain Unit in S Tees NHS Trust hospital. This provided an interesting focal point to the waiting area. Furthermore, there was a positive response to use of remote control to select light effects. It provided a welcome distraction for many. Many found it relaxing. Many commented on the positive effect of colour and light and movement. This project revealed a real need for greater technical control to build on and improve the positive impact and scope of the installation. The need for specialist input to assist in the design of a more sophisticated lighting system (potential to link the light effects to a sense of time passing/circadian rhythm/effects in nature). Can the light unit be better designed to illuminate the space and give positive health benefits (beyond the visual interest provided by this installation)? Develop a range of possible visual effects that give a connection to nature. To explore technologies to achieve this e.g. controlled LEDs and LCD (as an alternative to real water used in this installation). Can we create a sense, for example, of clouds or the movement of trees/water digitally? A sense of a window where there is none? We have hooked up with experts to explore the impact of sound and possible design of “soundscapes” to accompany and be incorporated into light installations. Finally we are incorporating specialist input to design interactive control systems to give patient choice of sound/light/visual imagery.



### **Pain self-management group programmes**

Pain Association Scotland is a third sector organisation providing pain self-management groups throughout Scotland for people with persistent pain i.e. continuous pain that has lasted for 3 months or more. These groups have proven

efficacy in terms of improving pain and health related outcomes (Pain Association Scotland, 2017). Other studies have determined that similar such pain self-management group programmes are cost effective in terms of reduced pain medication prescribed, and less GP/ A and E visits, however to date no formal study has been conducted on the Pain Association Scotland intensive two days programme. There is a proportion of people who do not respond to the programme invite and this study is interested in comparing their health care costs over the equivalent time frame with people who attended. A pilot study has been proposed to focus specifically on the Western Isles of Scotland group programmes where Pain Association Scotland is the sole provider of pain self-management interventions. This would allow a context to refine the methodology and, also determine whether the recruitment rates are sufficient to warrant a national study.

### **Publications**

Intrathecal drug delivery systems for the management of chronic non-cancer pain: a systematic review of economic evaluations. *Pain Pract.* 2017 Oct 24. doi: 10.1111/papr.12650.

The incidence and healthcare costs of persistent postoperative pain following lumbar spine surgery in the UK: a cohort study using the Clinical Practice Research Datalink (CPRD) and Hospital Episode Statistics (HES). *BMJ Open.* 2017 Sep 11;7(9):e017585. doi: 10.1136/bmjopen-2017-017585.

Editorial (Thematic Selection: Spinal Neuropharmacological Agents for the Management of Pain). *Curr Neuropharmacol.* 2017;15(2):196-197.

The Neurostimulation Appropriateness Consensus Committee (NACC) Safety Guidelines for the Reduction of Severe Neurological Injury. *Neuromodulation.* 2017 Jan;20(1):15-30. doi: 10.1111/ner.12564.

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.* 2017 May 1;18(5):924-931. doi: 10.1093/pm/pnw229.

### **Filling the Void Special Interest Group**



The open and multidisciplinary approaches Filling the Void (FtV) has taken have continued to prove effective in terms of driving forward a research and training agenda aimed at providing solutions for pressing issues in global infectious diseases, including antimicrobial resistance. In its fourth year of existence, FtV has benefited from increased support from the Wolfson Research Institute which facilitated a broadening of activities.

In particular, 2016-17 saw increased focus on the development of our Early Career Researchers (ERCs), a vital investment for the future of this project. This has seen ECRs being supported to attend conferences in the UK (UK Toxo Meeting, Manchester) and Europe (Toxoplasmosis Congress, Portugal), and training courses in the USA (Woods Hole Molecular Parasitology Course). In addition, FtV supported a week-long secondment at Durham for Dr Emily Armitage (Glasgow), this has led to an accepted paper in the key journal, *Antimicrobial Agents and Chemotherapy*. Funding has also been allocated to academic staff engagement

with potential new collaborators, for example visits to the Moredun Institute Edinburgh, and a BBRSC NPRONET GCRF workshop in Manchester.

As previously, all activity is underwritten by a high quality and international seminar programme that operates alongside Institutional activity. Loic Coutte (Pasteur Institute Lille) talked about his approach to stop the re-emergence problem of Hooping Cough; Richard Bayliss (Leeds) introduced structure-based drug design; Jeremy Mottram (York) told us about leading-edge gene editing tools for protozoan parasites; and Jan Quinn (Newcastle) discussed targeting signalling pathways for novel anti-fungals.

These Wolfson-funded activities have been essential to the success of various grant applications. For example, Quinn and Denny are collaborating on a BBRSC competition studentship. Importantly, Mottram is a key co-investigator on the recently awarded MRC GCRF Capacity Award:

<https://www.dur.ac.uk/biosciences/newsandevents/?itemno=31992>. Led by Graham Sandford, Patrick Steel and Steven Cobb in Chemistry; and Ehmke Pohl and Paul Denny in Biosciences, and also with colleagues in Brazil, India and Pakistan, this £7.8M award funds a network to validate drug targets in the Neglected Tropical Diseases leishmaniasis and American trypanosomiasis.

This large grant has precipitated the establishment of the Durham Centre for Global Infectious



**Centre for Global Infectious Disease**

Disease (CGID). The dedicated Wolfson supported social media presence, @FillingV, will continue to be the primary outlet for news and views aimed at both researchers and the general public.

### **Selected Publications**

Rationalized Computer-Aided Design of Matrix-Metalloprotease-Selective Prodrugs. Jain, Harburn, Gill, Loadman, Falconer, Mooney, Cobb, Berry *J Med Chem* 2017, 60:4496-4502  
Functional and phylogenetic evidence of a bacterial origin for the first enzyme in sphingolipid biosynthesis in a phylum of eukaryotic protozoan parasites. Mina, Thye, Alqaisi, Bird, Dods, Grøftehaug, Mosely, Pratt, Shams-Eldin, Schwarz, Pohl, Denny *J Biol Chem* 2017, 292: 12208-12219

New active leads for tuberculosis booster drugs by structure-based drug discovery. Tatum, Leibeschuetz, Cole, Frita, Herledan, Baulard, Willand, Pohl *Org Biomol Chem* 2017, 13: 10245-10255

A complex interplay between sphingolipid and sterol metabolism revealed by perturbations to the Leishmania metabolome caused by miltefosine. Armitage, Alqaisi, Godzien, Pena, Mbekeani, Alonso-Herranz, Lopez-Gonzalvez, Martin, Gabarro, Denny, Barrett, Barbas *Antimicrob Agents Chem* 2018, in press

## Physical Activity Special Interest Group

Our interdisciplinary Physical Activity SIG comprises members from Anthropology, Sport and Exercise Sciences, and Sociology. We also have network members at a number of other institutions, some of whom are our own freshly graduated PGRs. We are aligned to the Fuse (<http://www.fuse.ac.uk/>) physical activity group which comprises members from all five north east Universities. The remit of the SIG is broad, but our aim is to produce the highest quality research through interdisciplinary collaboration, that challenges existing practices and, most importantly, informs and tests new ways of tackling inactivity. We consider physical activity from the perspective of individual behaviour change through to policy level guidance, and the complexities therein.

### Highlighted recent activities

*Policy coherence for childhood obesity? Examining implementation of policies for healthy eating and increased physical activity in primary schools.*

We have recently completed a seedcorn-funded review of physical activity, diet and obesity-related policies which feed into primary schools. The paper, “*Primary school-orientated policies for physical activity, nutrition and obesity: Joined-up thinking or disparate initiatives?*” has been submitted to the Political Studies Association Sport Politics conference, with a full manuscript in preparation. We hope to build on this work and have plans to submit an external grant application to the ESRC later in the year.

### Women’s Walking

Tessa Pollard and the team at the Physical Activity Lab in the Department of Anthropology have pursued two projects on women’s walking this year. They published a systematic review on gender differences in walking patterns, and, using a Wolfson Small Grant, conducted a pilot study of women’s experiences of walking groups in deprived areas of the north-east. This work culminated in a Knowledge Exchange Event held at County Hall, Durham, which included useful discussions with local government public health leads and members of walking groups.

*Our ECRs – past present and future* It has been a busy year for our ECRs – the lifeblood of our group. Two PhDs have been awarded - congratulations to Steph Morris and Coral Hanson who have now taken up exciting new posts at York and Edinburgh Napier, respectively. We hope to continue collaborating with Steph and Coral in the future. We have welcomed Ben Rigby, Sarah Metcalfe, Hester Hockin-Boyers, Emily Tupper and



Misheck Nkhata to the SIG this year, all of whom are undertaking PhD study. We are holding a writing workshop for the SIG in February 2018 and look forward to fruitful outputs in due course.

#### **Papers published in the past year:**

- **Dodd-Reynolds, C.J.**, Asenlof, P. & Hellstrom, K. (2017). [Special issue – physical activity and health](#). *Physical Therapy Reviews* **22**(3-4): 101-102.
- Flint, S.W., **Oliver, E.J.** & Copeland, R (2017). [Obesity stigma in healthcare: impacts on policy, practice, and patients](#). *Frontiers in Psychology, Eating Behavior*, 8 (2149).
- Hawkins, J., Edwards, M., Charles, J., Russell, J., Kelson, M., Morgan, K., Murphy, S., **Oliver, E.J.**, Simpson, S., Tudor Edwards, R. & Moore, G. (2017). [Protocol for a feasibility randomised controlled trial of the use of Physical Activity monitors in an Exercise Referral Setting: The PACERS study](#). *Pilot and Feasibility Studies* **3**(1): 51.
- **Pollard TM & Wagnild JM** (2017) Gender differences in walking (for leisure, transport and in total) across adult life: a systematic review. *BMC Public Health* **17**: 341.

### Smoking Special Interest Group

The Smoking Special Interest Group (SSIG) was established in October 2010. It aims to use insights from the humanities and social sciences to develop a more nuanced understanding of the factors at play in tobacco production and use, and the many ways in which dependency on tobacco is manifest, with a view to supporting more effective tobacco control work locally, regionally, nationally and internationally.



#### **Activities**

##### *Conference presentations*

Russell, A. 'Close encounters of the smokier kind – messy ethnography at the 7th Conference of the Parties to the WHO's Framework Convention on Tobacco Control', 12th Annual International Ethnography Symposium, Manchester Business School, August 2017.

Russell, A. 'Respect your Demons – Anthropological Lessons from the 7th Conference of the Parties to the Framework Convention on Tobacco Control', European Association of Social Anthropologists' (EASA) Medical Anthropology Network Conference, Lisbon, July 2017.

### *Funding Bids and Awards*

WRIHW Smoking SIG grant awarded for Andrew Russell and Megan Wainwright to attend COP8, Geneva in October 2018 [(£5995) to lead to an application for a major collaborative award application in 2019]

Andrew Russell was external sponsor to Dr Upendra Bhojani (Institute of Public Health, Bengaluru)'s successful Wellcome Trust India Alliance Fellowship application for a five year Fellowship 'Deciphering an epidemic of epic proportion: the role of state and tobacco industry in tobacco control in post-liberalized India (1990-2017)'

Andrew Russell successfully applied for funding from Research Councils UK to attend the second of four Global Challenges Research Fund Global Engagement Meetings which was held in Delhi in November 2017. He gave a two-minute soapbox presentation and network pitch on the topic of 'Alternative Livelihoods'. The meeting led to an ESRC-GCRF funding proposal, currently under review.

### *Outreach and Engagement*

Russell, A. 'When tobacco comes to town: an anthropological perspective on tobacco use in urban contexts', public lecture, Indian Institute for Human Settlement, Bengaluru, public lecture series, November 3<sup>rd</sup> 2017.

Russell, A. 'Tobacco: colonial futures of a master plant', webinar for the Institute of Public Health, Bengaluru's webinar series, November 2017. Viewable on: <https://www.youtube.com/watch?v=Wj5OYH9pGkk> [at the invitation of Dr Upendra Bhojani].

SSIG members participated in Celebrate Science festival as part of the Life of Breath (<https://lifeofbreath.org/>) exhibit, Palace Green, October 2017.

Russell, A. Nearly half of teenage smokers have bought illegal tobacco, so what are the dangers? (*The Conversation*, November 2017) <https://theconversation.com/nearly-half-of-teenage-smokers-have-bought-illegal-tobacco-so-what-are-the-dangers-85558>. Hits: 1,348, no comments

Russell, A. Eight things that have changed since the smoking ban ten years ago (*The Conversation*, June 2017) <https://theconversation.com/eight-things-that-have-changed-since-the-smoking-ban-ten-years-ago-79874>. Hits: 144,116, 13 comments

Andrew Russell continues as FUSE representative on the Making Smoking History in the North East partnership board, and is a member of the Smoke Free Durham local alliance. He has liaised with Occupational Health in the University and Solutions4Health, the company responsible for delivering County Durham's stop smoking services, in preparation for a weekly stop smoking drop-in service for students and staff which will commence in the Palatine Building in January 2018.

### **Publications**

Russell, A. (2017) Smog in a Time of Tobacco Control. *Anthropology Today*, 33(6): 27-9.

Andrew Russell signed contract with Routledge for a book, working title *Anthropology of Tobacco: Ethnographic Adventures in Non-Human Worlds*, to be submitted in June 2018. ISBN: 9781138485143 (HB); eISBN 9781351050197. It draws on several strands of work conducted by members of the SSIG over the seven

years since its inauguration, and has benefitted from several small grants from the WRIHWB and other sources.

## 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 for the History of Medicine and Disease (CHMD)

Director: Professor Holger Maehle

In 2017, the Centre for the History of Medicine and Disease hosted three international visiting scholars. Dr Emese Lafferton, Senior Lecturer at the Central European University in Budapest and Institute of Advance Study Senior Visiting Fellow at Durham, worked from February to June 2017 with Prof. Maehle on the history of hypnosis and psychiatry in nineteenth-century Hungary and Germany. Anna Rita Simiao, a doctoral candidate from the Federal University of Juiz de Fora, Brazil, researched from March to October 2017 under Dr Lutz Sauerteig's guest-supervision Freud's sexual theory and contemporary German literature on sexual sciences. Finally, Dr Eduardo Diaz Amado, Associate Professor at the Pontifical Xavierian University in Bogota, Colombia, visited in June 2017 as part of his research collaboration with Prof. Maehle on medical ethics in Colombia and Britain during the nineteenth century. All three visitors presented alongside Durham staff their work-in-progress in the CHMD Workshop 'New Research in the History of Medicine' on 23 June 2017, and Dr Lafferton in addition at a Philosophy Department Research Seminar.

In June 2017 a special issue on 'History of Hypnotism in Europe' of the Royal Society's history of science journal *Notes and Records* was published under the guest-editorship of Prof. Maehle in collaboration with Dr Heather Wolfram of the University of Canterbury, New Zealand. It unites contributions on Germany, France, Belgium, Italy and Spain, providing a first international analysis of this kind for the history of hypnosis and suggestion therapy.



From November 2017, Dr Matthew Eddy and Prof. Maehle have started a CHMD Reading Group in the History of Science and Medicine, which has brought together staff and postgraduates from the departments of Philosophy and English Studies, focusing in 2017/18 on Rob Boddice's monograph 'The Science of Sympathy'.

Two PhD students have successfully completed and defended their theses: Cheryl Lancaster on the history of embryonic stem cell research and Aleksandra Traykova on definitions of health and disease in the philosophy of medicine; and a third student, Julia Tinland, submitted her doctoral thesis on the ethics of preventive psychiatry at the end of the year.

### **Selected Publications:**

Maehle, A. H. and Wolfram, H. (eds), *History of Hypnotism in Europe (= Notes and Records: The Royal Society Journal of the History of Science*, vol. 71/2 (2017): 119-226.

Maehle, A. H., 'A dangerous method? The German discourse on hypnotic suggestion therapy around 1900', *Notes and Records* 71/2 (2017): 197-211.

### **Parent-Infant Sleep Lab**

Professor Helen L Ball & Dr Charlotte Russell.

The year began warmly with Sleep Lab director Prof Helen Ball spending January and February in Brisbane Australia visiting the [Possums Clinic for Mothers and Babies](#) as part of her post-HoD research leave year. Here she sat in on consultations with parents about infant sleeping and feeding, and took part in parent support groups and educational workshops to learn more about the Possums Sleep Program which she intends to translate for the use of UK health professionals, and trial in 2018-19. While at the clinic Helen undertook a user evaluation of the Possums Sleep Program which has been submitted for publication. Info about this visit can be found in the WRIWH newsletter issue 10 2017. While in Brisbane Helen was also a keynote speaker at the [Possums Education Conference](#) held at the Brisbane Conference Centre Feb 2<sup>nd</sup> to 4<sup>th</sup> 2017.

In March 2017 we completed our ESRC IAA funded project '[Let's Talk About Sleep](#)' which examined the feasibility of implementing a new intervention using parent educational materials and baby bed boxes (based on the NZ concept of the Pepi-Pod) to raise awareness of hazardous infant co-sleeping environments among young mothers in NHS Sunderland and NHS Fife. The Sunderland trial was co-funded by the Lullaby Trust, and the Fife trial by the Scottish Government. We subsequently delivered our final outcomes from the project at the [Scottish Government SUDI Conference](#) in Feb 2017, and the [Lullaby Trust Grant-holders' Meeting](#) in Sep 2017. We are now preparing the results of this study for publication.

We were excited to welcome [Dr Cecilia Tomori](#) who joined the Parent-Infant Sleep Lab team in August 2017 from Johns Hopkins School of Public Health. Cecilia is a socio-cultural medical anthropologist specialising in ethnographic studies of breastfeeding and night-time infant care. Her book [Night-time breastfeeding: an](#)

[American cultural dilemma](#) is published by Berghan, and in December 2017 her new edited volume [Breastfeeding: New Anthropological Approaches](#) was published by Routledge.

With funding from WRIWH in 2016-17 this year also saw us a) revise and re-launch our Infant Sleep Info app (part of our outreach vehicle the [Infant Sleep Information Source](#)), and b) complete the first wave of data collection for the [COSI Project](#) (Cortisol & Sleep in Infancy). The second wave of COSI recruitment begins in January 2018, while the new Infant Sleep App was launched at the end of November 2017 and achieved over 1000 downloads within the first week. The app can be downloaded for free from both [Apple](#) and [Play](#) app stores. We are very grateful for the support of the University Comms and CIS teams for their assistance in migrating the app to a CMS system to allow us to update content in-house from now on. Our most exciting news was received at the end of the year when it was announced that we were to receive the [Queen's Anniversary Prize for 2018](#) for 'leading influential research on parent infant sleep with a widely-used public information service'. Prof Helen Ball and VC Stuart Corbridge attended the announcement reception at St James' Palace on 30<sup>th</sup> November. The investiture will occur at Buckingham Palace on 22<sup>nd</sup> Feb 2018. The University produced an [informational film about the Sleep Lab](#) in order to celebrate this award.

[2017 publications](#) from the Sleep Lab team can be found online, as can details of our [academic and outreach conference presentations](#). Look out for our [Biennial Conference in April 2018!](#)

Dr Cecilia Tomori,  
New member of Anthropology staff  
in Sleep & Infancy



Let's Talk about Sleep Team (L to R Dr Catherine Taylor, Dr Charlotte Russell, Prof Helen Ball, Ms Cassandra Yuill) at Royal College of Paediatrics and Child Health for Lullaby Trust Grantholders' Conference.

## Centre for Death and Life Studies

Director Prof. Douglas J. Davies

The Centre for Death and Life Studies has, over 2016-17 has been active in a great variety of ways. These are represented below in two focused ways, one concerns the research-focus of grant applications and the other concerns some of the activities of its Board Members in their varied disciplinary work.



### Grants

**The Wellcome Trust.** Preliminary Application for Pet-Death Owner-Wellbeing Project was successful in 2017 but the invited full application with Durham leading four other universities was unable to be satisfactorily completed by September 2017. It was decided to submit afresh and the first deadline was made for January 2018. We now await the outcome of that and are already preparing for the full application, if we are invited to submit for it. Prof. Sarah Atkinson has been of considerable assistance in this process as have colleagues in the Universities of Edinburgh (vet School), Manchester Metropolitan, Chester, and Bristol Universities. Durham Seedcorn funding was gained for this process of application.

**The Wellcome Trust.** The Centre was a key contributor to University Library Application to Wellcome Trust for Grant supporting Archive of The Cremation Society for Great Britain. This was successful with a grant in the region of £19,000 for work on conserving and cataloguing the Archive of The Cremation Society, lodged at Durham. This bodes well for other applications for grants for scholarly work in the Archive – now in preparation.

**ESRC** project 'Encountering the Corpse' continued with Durham hosting event April 2017, interdisciplinary colleagues from here and four other universities. Other events attended at Manchester and Hull Universities.

**Publication.** 2017 witnessed the publication of a major volume, *Cremation in Modern Scotland* (Edinburgh: Berliinn. Pp.328) which was the final output of the Leverhulme Funded Project previously awarded to the Centre with Prof. Davies as PI. This is widely interdisciplinary with myself and Research Fellows in theology / historian, architectural history, academic lawyer; and successful doctoral student in Church history. Each chapter corporately written/edited etc., no individual chapter author cited. Preface by Sir Kenneth Calman.

2017 also saw the publication of the third edition of Prof. Davies' *Death, Ritual and Belief* (Bloomsbury).

**Media.** Amongst media work Professor Davies took part in BBC Radio 4 'Beyond Belief' –one of three scholars in 30 minute programme on ancestors and death, May 2017. He was also interviewed on BBC 4 The Sunday Programme May 21<sup>st</sup> on the delicate topic of Ian Brady's cremated remains.

At request of Edinburgh University's Royal Dick Veterinary College, Prof Davies wrote and prepared a 45 minute, and voice-over, Power-point on Human Grief for use in training veterinary surgeon students. They have requested this again for their 2018 Anthrozoology Module.

Prof Davies was an invited participant in Arts Council funded 'Welcome death' event at Dissenters' Chapel, Kensal Rise Cemetery, May 2017. A film of this was given at a public launch at St Bartholomew's Medical School just before Christmas 2017.

**Honours.** Prof Davies was elected a Fellow of the British Academy. We should note that Prof. Charlotte Roberts was elected to her Fellowship of The British Academy the year before, so we now have two Fellows of the British Academy on the Board of The Centre for Death and Life Studies.



Prof. Davies was also elected Honorary Vice-President of The Cremation Society of Great Britain for five years for his contribution to the study of death and engagement with funerary professionals. This is the first time an academic as such has been appointed to this honorary position. This gives high profile in funeral, cemetery, crematorium management circles. He was key guest along with MP for Parliamentary funeral matters at major London Dinner April 2017. Gave Durham high profile and many network links for ongoing research – including that of pet cremation

**Members of the Advisory Board have also engaged in many activities including,**

**Charlotte Roberts:**

**Publications**

**Roberts CA** 2017 Applying the "Index of care" to a person who experienced leprosy in late Medieval Chichester, England. In L Tilley, AA Schrenk (eds) *New developments in the bioarchaeology of care*. Switzerland, Springer, pp. 101-124

**Roberts CA** Paleopathology. In AS Gilbert (ed): *Encyclopedia of geoarchaeology*. London, Springer Reference, pp. 607-613

**Roberts CA** Preface: Navigating approaches to impairment, "disability" and care in the past: the need for reflection. In L Powell, W Southwell-Wright, R Gowland (eds): *Care in the Past: Archaeological and Interdisciplinary Perspectives*. Oxford, Oxbow, pp xi-xviii

**Roberts CA** 2017 Bioarchaeology of care. In C Nolte, B Frohne, U Halle, S Kerth (Eds): *Pre-Modern Dis/ability History. A Handbook*. Affalterbach Didymos-Verlag, pp 107-109

Sparacello VS, **Roberts CA**, Kerudin A, Müller R. 2017 A 6,500-year-old Middle Neolithic child from Pollera Cave (Liguria, Italy) with probable multifocal osteoarticular tuberculosis. *Int J Paleopathology* 17:67-74

### **Conferences**

#### **Annual Meeting of the Paleopathology Association, New Orleans, USA;**

Investigating the impact of air quality on the occurrence of Respiratory Disease in the Middle Nile Valley Comparing Kerma and Medieval sites

#### **Annual meeting of the American Association of Physical Anthropology, New Orleans;**

Stressed in Transylvania: Utilizing macroscopic skeletal analysis to compare metabolic stress in populations from Late Antiquity and the Middle Ages in Romania

**International (and interdisciplinary) Symposium on the subject of Disease and the Ancient World, Oxford;** The archaeology of disease: how studying human remains informs us about health and well-being. **Invited keynote speaker**

**BABAO Annual Conference, Liverpool:** Ethics and archaeological human remains: let's take a step back; Looking for rural immigrants in St Gertrude Church cemetery (15<sup>th</sup>-17<sup>th</sup> centuries AD) in Riga, Latvia: an isotopic analysis; A new method for recording and presenting the true prevalence of rib lesions related to respiratory disease

**BABAO Annual Conference, Liverpool:** Student panel professional development session

### **Outreach**

Prof Roberts gave a Pop up talk at the **British Academy Soiree:** We are what we breathe: air quality and health past and present

**Council for British Archaeology Wessex Annual Conference:** Ancient DNA and the origins and evolution of infectious disease

#### **McDonald Institute for Archaeological Research, University of Cambridge:**

Cambridge Archaeology's Garrod seminar series: Everything you might want to know about leprosy, past and present: dispelling some myths

**Austrian Archaeological Institute, Vienna, Austria:** Bioarchaeology: past, present and future prospects

**Middleham and Dales Local History Group:** What the study of human remains from archaeological sites can tell us about our ancestors' lives

**Newton-le-Willows WI:** From nursing to the archaeology of disease: A life caring for the living and the dead

**U3A, Leyburn:** From nursing to the archaeology of disease: A life caring for the living and the dead

**2017: TV Channel 5:** Headless gladiators of York

### **Esteem**

2017: Invited keynote speaker at the International Symposium on Disease and the Ancient World, Oxford University:

2017: Invited seminar: Austrian Archaeological Institute, Vienna, Austria:

2017: Invited seminar: McDonald Institute for Archaeological Research, University of Cambridge:

2017: Invited to be a member of the Pomerance Science Medal Committee (AIA) :

2017: Invited to membership of the Scientific Advisory Board, Austrian Academy of Sciences, Vienna, Austria:  
And not forgetting Prof. Roberts' FBA

**Prof. Mark Sandy.** Department of English Studies  
2015-16 Ghostly Encounters. Seminar Series organized with Prof. Stefano Cracolici (Italian Department). Prof. Davies also contributed to that event. Prof. Sandy has now signed a contract for a co-edited collection, resulting from that series - *Ghostly Encounters: Cultural and Imaginary Representations of the Spectral from the Nineteenth Century to the Present*, (Routledge for Nov. 2019). Prof. Sandy's contribution undertaken during one-month Visiting Fellowship at the Armstrong Browning Library, Baylor University, Texas (August -September, 2017).

## Centre for Medical Humanities

### New Wellcome Award

The Centre for Medical Humanities has had an exciting year. In 2016 we reached the interview stage for a Wellcome Trust Centre for Medical Humanities and narrowly missed being awarded the full funding. During the course of 2017 we were invited to apply for a Discretionary Award by Wellcome and achieved a grant of £1m in September. The award became live on 1<sup>st</sup> November and gives us significant support to pursue our ambitious plan of research over the next five years. Our vision is to develop a nexus for world class medical humanities research that aims to improve human health through an enhanced understanding of human experience.

We will pursue this vision through a series of five research strands led by Co-Is on the project:

**Embodied symptoms** is led by Professor Jane Macnaughton (Anthropology) and will explore how symptoms come into being and how they are given meaning in the everyday world and in the clinic.



**Thinking, feeling, imagining**, led by Professor Corinne Saunders (English Studies) will investigate how the arts and humanities illuminate thinking and feeling, and how these insights might be used to improve health and wellbeing.

**Everyday and the social**, enables Professor Sarah Atkinson (Geography) to develop her globally respected expertise in wellbeing by examining the individual and collective

experiences of health, ill-health and wellbeing in relation to place, time and scale – from local to global.

**Neurosocial explorations** will build on Professors Charles Fernyhough (Psychology) and Felicity Callard's methodological expertise to improve methods for assessing human inner experience and use them to advance models of mind and brain, paying particular attention to the impact of social and environmental contexts.

Dr Angela Woods (English Studies) will work closely with our newly appointed Creative Facilitator, Mary Robson, to pay attention to the critical concepts, ideas and methods that link work across all four strands. We will be operating with a full complement of support staff, including Dr Sarah McLusky as Centre Manager and Jane Abel as Administrator. We look forward to further developing our relationship with colleagues across the University and with external stakeholders following our re-launch in May 2018.

#### **Health Hub**

CMH is delighted to be working with WRI to help launch the University's new 'Health Hub', which will provide a means for external partners to understand Durham's health research offerings and to access potential collaborators. This is an exciting new venture and we look forward to being part of making it work.

#### **Highlighting from our associated Wellcome-funded projects, *Hearing the Voice* and *Life of Breath***

There were many events during 2017 associated with our projects, *Hearing the Voice* and *Life of Breath* and information is available from the project websites, which also give information about research outputs and conferences:

[www.hearingthevoice.org](http://www.hearingthevoice.org) [www.lifeofbreath.org](http://www.lifeofbreath.org)

*Life of Breath* launched a major new series entitled *The Arts of Breath* in November 2017. This is a series of lecture-performances exploring the role of breath in poetry, fiction, singing, dance and visual art. The series runs until March 2018 and will be followed by an international conference on the Cultural History of Breath in July 2018.

### **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.

It 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 is directed by Prof. Deryck Beylveeld and Dr Aisling McMahon (Law), with the assistance of a PGR Marianna Iliadou.

Durham CELLS has 30 full members (based in and beyond the Law School) and 12 associate members (PGR students). Durham CELLS receives £1,200 annually from the Law School, and during 2017, Utrecht University Ethics Institute indirectly provided funding for CELLS activities via a 0.2FTE secondment of Professor Beyleveld to the Ethics Institute, Utrecht). £2,500 of this was used to help fund two conferences Emma Cave. 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, and the Centre for Human Rights). Another PGR Conference will be held on 8-10 May 2018 with the same partner Centres. Regular informal seminars are arranged by the Deputy Convenor. Intellectual Property modules (3rd Year LLB and LLM) and a Law and Medical Ethics module (3rd year LLB) are offered to Law UGs, and over 30 Law UGs 2017-2018 have chosen to do their 3rd 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.

Durham CELLS hosted three 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; and Prof. Stefan Ericksson, Uppsala (October to December 2017). Durham CELLS has so far this year organized five guest lectures, with several more in the offing.

The Wellcome Trust Engagement Project, 'Human Cloning and Stem Cell Research through the Medium of Law', funded by the Wellcome Trust for 36 months from 2014 ended in 2017. The project research is currently being written up for publication in academic journals.

The following is a list of CELLS relevant publications during the last year by members based in Durham.

### **Books authored**

**Pattinson, Shaun D.** (2017). *Medical Law and Ethics*. 5th ed., London: Sweet & Maxwell.

**Van Leeuwen, Barend** (2017). *European Standardisation of Services and its Impact on Private Law: Paradoxes of Convergence*. London: Hart Publishing.

### **Books edited**

**Pattinson, Shaun D. & Capps, Patrick** (2017). *Ethical Rationalism and the Law*. Oxford: Hart Publishing.

### **Book chapters**

**Baker, Aaron** (2017). Proportionality. In *Supperstone, Goudie & Walker: Judicial Review Sixth edition*. **Fenwick, Helen** LexisNexis.

**Beyleveld, Deryck** (2017). What Is Gewirth and What IS Beyleveld? A Retrospect with Comments on the Contributions. In *Ethical Rationalism and the Law*. Capps, Patrick & **Pattinson, Shaun D.** Oxford: Hart Publishing. 233-255.

- Beyleveld, Deryck** (2017). Transcendental Arguments for a Categorical Imperative as Arguments from Agential Self-Understanding. In Transcendental Arguments in Moral Theory. Brune, Jens Peter Stern, Robert & Werner, Micha H Berlin, Boston: De Gruyter. 141-159.
- Beyleveld, Deryck** (2017). Sheffield Natural Law School. In Encyclopedia of the Philosophy of Law and Social Philosophy. Sellers, M. & Kirste, P. Dordrecht: Springer. 1-8.
- Brooks, Thom** & Sankey, Diana (2017). Beyond Reason: The Legal Importance of Emotions. In Ethical Rationalism and the Law. Capps, Patrick & **Pattinson, Shaun** Oxford: Hart. 131-148.
- Goldberg, Richard** (2017). Causation and defences. In Principles of Medical Law. Laing J & McHale J OUP. 297-371.
- Pattinson, Shaun D.** (2017). Advance Refusals and the Personal Identity Objection. In Ethical Rationalism and the Law. Capps, Patrick & Pattinson, Shaun D. Oxford: Hart Publishing. 91-108.
- Van Leeuwen, Barend** (2017). The Impact of EU Intellectual Property Law and the Charter on Private Law Concepts. In Primary EU Law and Private Law Concepts. Micklitz, Hans-W. & Sieburgh, Carla Intersentia. 241-270.

### **Journal articles**

- Beyleveld, D.** & Jianjun, Li (2017). [Inclusive governance over agricultural biotechnology: risk assessment and public participation](#). *Law, Innovation and Technology* **9**(2): 301-317.
- Cave, Emma** & Nottingham, Emma (2017). [Who Knows Best \(Interests\)?: The Case of Charlie Gard](#). *Medical Law Review*
- Douglas, Benedict** (2018). [The mtDNA of Human Rights](#). *Science, Technology, & Human Values* **43**(1): 86-94.
- Hackshaw-McGeagh, Lucy, **Jamie, Kimberly**, Beynon, Rhona & O'Neill, Roisin (2017). [Health behaviours of young mothers: Implications for health promotion and cancer prevention](#). *Health Education Journal* 001789691774510.
- Ní Ghráinne, Bríd & **McMahon, Aisling** (2017). [A Public International Law approach to safeguard nationality for surrogate-born children](#). *Legal Studies* **37**(2): 324-342.
- McMahon, Aisling** (2017). [An Institutional Examination of the Implications of the Unitary Patent Package for the Morality Provisions: A Fragmented Future too Far?](#). *IIC - International Review of Intellectual Property and Competition Law* **48**(1): 42-70.
- Simpson, Bob** & Douglas-Jones, Rachel (2017). [Afterword: New immortalities?](#). *Medicine Anthropology Theory* **4**(4): 171-173.
- Simpson, Bob** & Douglas-Jones, Rachel (2017). [New immortalities: Death, donation, and dedication in the twenty-first century](#). *Medicine Anthropology Theory* **4**(4): 1-21.
- Simpson, Bob** (2018). [A "we" problem for bioethics and the social sciences: A response to Barbara Prainsack](#). *Science, Technology, & Human Values* **43**(1): 45-55.
- Wong, Marcus** (2017). [Doctor in the sky: Medico-legal issues during in-flight emergencies](#). *Medical Law International* **17**(1-2): 65-98.
- Van Leeuwen, Barend** (2017). [Rethinking the Structure of Free Movement Law: The Centralisation of Proportionality in the Internal Market](#). *European Journal of Legal Studies* **10**(1): 235-265.
- Van Leeuwen, Barend** (2017). Vaste verkoopprijzen voor medicijnen beoordeeld onder artikel 34 VWEU. *Nederlands Tijdschrift voor Europees Recht* (3): 62-67.

## Centre for Social Justice and Community Action

### Visiting Research Fellows

This year we welcomed two visiting researchers to CSJCA for extended periods: **Prof Ole Petter Askheim**, Faculty of Education and Social Work, Inland Norway University of Applied Sciences (Jan-April 2017) came to the Centre learn about participatory research (PR). He has subsequently set up a research group in his home university and is involved in writing a book with a colleague in Norwegian about PR. **Dr Caroline Lenette**, University of New South Wales, Australia (Oct-Nov 2017) focused on ethical issues in visual methods in PR, contributing to seminars and a workshop on this theme, and instigating a co-authored article with members of the Centre.

**Centre Directors and others** travelled to conferences and meetings across the world. In May 2017 **Sarah Banks** attended the Community-College-University (C2U) Expo in Vancouver Canada, taking part in a plenary panel, presenting a poster about CSJCA and offering a dilemmas café workshop. **Andrew Russell** travelled to India for a Global Challenges Research Fund (GCRF) Global



Engagement Meeting in New Delhi in November 2017, a three-day RCUK-sponsored networking event attended by 100 academics and practitioners from 17 countries around the world. He also visited Rajesh Tandon, Participatory Research in India (PRIA), to discuss the Centre's involvement in a global

training programme for mentors of community-based research. **Gary Craig** visited Hong Kong in his role as consultant to three universities on research strategy.

**Changes in personnel:** **Prof Rachel Pain**, one of the founding Co-directors, left Durham University in September 2017 to join Newcastle's Geography Department. Rachel was an inspiration to many in CSJCA and we wish her well in her new post. **Sue Shaw**, long-time member of the CSJCA steering group, took on the role of Chair from September 2017 and **Andrea Armstrong**, formerly Development Officer for the CSJCA several years ago, is now doing some administration work on a part-time basis.

**The Participatory Research Hub**, which was funded on a short-term basis ended in June 2017. This work continues on a smaller scale as part of the mainstream work of CSJCA. Many stimulating events, networking and support for community-university research partnerships took place through the Hub, as recorded in this report:



<https://www.dur.ac.uk/socialjustice/researchprojects/prh/>

### **Training events, seminars and workshops in Durham (number of participants in brackets)**

- 3 February 2017: Participatory Action Research 1: Introduction to PAR (49)
- 16 February 2017: Issues and challenges in participatory and collaborative research – sharing experiences (20)
- 17 February 2017: Exploring issues of Trust and Mistrust: Ethics in Participatory Research, Design, Democracy and Action (43)
- 3 March 2017: Participatory Action Research 2: Embedding participation in research practice (56)
- 8 March 2017: Researching Social Change: Reflections from Brazil (12)
- 20 March 2017: Theatre of the Oppressed Seminar and Workshop (56)
- 29 March 2017: Recent International Developments in Community-University Engagement: A conversation with Budd L Hall, Co-Chair of the UNESCO Chair in Community Based Research (17)
- 17 May 2017: Developing Policy and Practice through Participatory Research
- 3 & 4 July 2017: Participatory Action Research: Theory, Methods and Challenges (35)
- 24 November 2017: Visual Methods in Participatory Research: ethical and practical issues in working with refugees and other groups (47). Report available:

[www.dur.ac.uk/resources/socialjustice/VisualMethodsInParticipatoryResearchReport.pdf](http://www.dur.ac.uk/resources/socialjustice/VisualMethodsInParticipatoryResearchReport.pdf)

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

- *Energy on the Move* - Gina Porter (Anthropology, Durham University) is Co-investigator on an ESRC DFID Development Frontiers project (£224,816). It runs between October 2017- September 2018 in four countries - Nigeria, South Sudan, Nepal, Bangladesh. Gina runs the

Nigeria component and transport/energy/ICT linkages across the project; Ben Campbell, Anthropology, is Principal Investigator.

- *GCRF international network on mobilities of vulnerable groups in cities* - Gina Porter is also participating in this ESRC funded network. She ran a workshop for the group in Cape Coast with UCC staff in May 2017 focusing on their work with children and young people as research collaborators. There were participants from the network (UK, Nigeria, Uganda, Bangladesh), practitioners and the African Development Bank.
- *Dispersed Belongings: Experiences of young forced migrants in regional cities in the United Kingdom and Australia* - Caitlin Nunn (Sociology, Durham University) has been continuing her working on this participatory project, with a particular focus on arts-based methods. More about this can be found here:  
<https://www.dur.ac.uk/sociology/research/research/projects/?mode=project&id=914>
- *Contributions to participatory workshop discussions* on issues and dilemmas linked to 'Spirituality in the Helping Professions' (Prague, 4/7/17) and 'Faith and Spirituality in Community Services' (Adelaide, September 2017), by Andrew Orton (Sociology).
- *Christian Responses to Debt and Financial Exclusion in the North East of England and London* was funded by the Leech Fellowship, 2015-2017. Andrew Orton (Sociology) worked with David Barclay (Good Faith Partnership) on this project.
- *Imagine – connecting communities through research project (2013-17)* ended on 31 December 2017. Sarah Banks (CSJCA Co-director, Sociology) led the historical work package and the research undertaken in North East England. Materials produced by *Imagine NE*, focussing on community development and civic participation, are on our website, including films, booklets, reports and articles:  
[www.dur.ac.uk/socialjustice/imagine/](http://www.dur.ac.uk/socialjustice/imagine/) Sarah is co-editing a book on Co-producing research: a community development approach, to be published by Policy Press later in the year.

### Selection of publications

- Armstrong, A., & Banks, S. (2017) Organizing for change: North Tyneside Community Development Project and its legacy. *Community Development Journal*, 52(2), 290-312.
- Barclay, D. & Orton, A. (2017) [Money Talks: Christian Responses to Debt in the North East and London](#). School of Applied Social Sciences. Durham, Durham University.
- Banks, S., & Carpenter, M. (2017) Researching the local politics and practices of radical Community Development Projects in 1970s Britain. *Community Development Journal*, 52(2), 226-246.

- Banks, S., Herrington, T. & Carter, K. (2017) [Pathways to co-impact: action research and community organising](#). *Educational Action Research* 25(4): 541-559.
- Craig, G. (2017) (ed.) *Community organising against racism: 'Race', ethnicity and community development*, Policy Press, University of Bristol, UK.
- Kong, S.T. & Hooper, C.A. (2017) [Building a Community of Practice for Transforming 'Mothering' of Abused Women into a 'Mutual Care Project' A New Focus on Partnership and Mutuality](#). *British Journal of Social Work*, <https://doi.org/10.1093/bjsw/bcx055>
- Nunn, C. (2017) [Translations-Generations: Representing and producing migration generations through arts-based research](#). *Journal of Intercultural Studies* 38(1): 1-17.
- Russell, A. (2017) Smog in a time of tobacco control. *Anthropology Today* 33(6): 27-29.

## Anthropology of Health Research Group

The group continues to thrive and expand. In 2017, we welcomed four new members of academic staff: Cecilia Tomori, who joined us from Johns Hopkins; and Jane Macnaughton, Adetayo Kasim and Nasima Akhter, who moved to Anthropology from SMPH. We are delighted to have so many new PhD students (Timothy Alabi, Michele Freed, Alice Keegan, Abby King, Andrea Silva Caballero, Emily Tupper and Lila Warawutsunthon) and Masters students join the group.

We had lots of success this year with grants and awards, highlighting the excellent research being conducted by members of the group. Top of the list was the award to Professor Helen Ball and the Sleep Lab team of the Queen's Anniversary Prize for 2018 for 'leading influential research on parent infant sleep with a widely-used public information service'. Prof Helen Ball and VC Stuart Corbridge attended the announcement reception at St James' Palace on 30<sup>th</sup> November. The investiture will occur at Buckingham Palace on 22<sup>nd</sup> Feb 2018. The University produced an [informational film about the Sleep Lab](#) in order to celebrate this award.



Another major highlight was a Wellcome Trust Development Award of £1 million to the Centre for Medical Humanities, led by Prof Jane Macnaughton, in recognition of its prominence and leadership in medical humanities research. This Discretionary Award will enable the Centre to take forward ambitious new research projects in four key strands focusing on different aspects of human experience: 'Embodied Symptoms', 'Thinking, Feeling, Imagining', 'Neurosocial Explorations', and 'Everyday

Possibilities', which link to current research on voice-hearing, breathing and breathlessness, mind-wandering and community well-being.

Other external funding included an MRC/ESRC/Wellcome/DFID Health Systems Research Initiative award of £200,000 for the IMAGINE project (Innovating Mhealth in Africa through Grassroots Initiatives & Networks), led by Kate Hampshire, with Adetayo Kasim as co-investigator. The project is a collaboration between 7 universities in 6 different countries, with empirical research in Ghana, Ethiopia and Malawi.

### Publication Highlights

**Brown, H.**, Reed, A. & Yarrow, T. (2017). Meetings: Ethnographies of organisational process, bureaucracy and assembly. *Journal of the Royal Anthropological Institute*, 23 (1), special issue

Bonwitt, J., Kandeh, M., Dawson, M., Ansumana, R., Sahr, F., Kelly, A. H. & **Brown, H.** (2017). Participation of women and children in hunting activities in Sierra Leone and implications for control of zoonotic infections. *PLOS Neglected Tropical Diseases* 11(7): e0005699.

**Hampshire, K.R.**, H. Hamill, S. Mariwah, J. Mwangi & D. Amoako-Sakyi, (2017). The application of Signalling Theory to health-related trust problems: The example of herbal clinics in Ghana and Tanzania. *Social Science & Medicine*, 188: 109-118.

**Simpson, B** and R. Douglas-Jones, (2017). New immortalities: Death, donation, and dedication in the twenty-first century", *Medical Anthropology Theory*, special issue

**Tomori, C.**, A.E.L. Palmquist & E.A.Quinn, EA (Eds). (2017). *Breastfeeding: New Anthropological Approaches*. New York: Routledge.

## Centre for Sex, Gender and Sexualities

### Key achievements

#### University, Regional and Wider Community and Participation:

We opened the year with a welcome buffet dinner and brainstorming session in the Lindisfarne Centre for 60 postgraduates, affiliated staff and other members. Our postgraduate assistants for the year, Marie Gueguin, Phil Mullen (PhD, Geog) and Emma Dobson (PhD Education, SERI project) and the co-directors circulated, gathering suggestions which later fed into our Afterwork programme. While all Afterwork sessions were well received, sessions on 'Creating an Inclusive University' were particularly popular, drawing in a wide and engaged public, with panels of student, academic and community speakers. The welcome evening also highlighted areas where students and regional members would like us to develop annual workshops and other multidisciplinary opportunities in our three key areas. This will feed into discussions in 2018 about future goals and directions.

A pleasingly diverse and lively public for transgender activist Jessica Lynn responded warmly and thoughtfully to this compelling storyteller. Later in



the year, attendance was also strong, diverse and energetic for the screening of *Tangerine* and again the discussion took us well over the advertised time. In October, we hosted Open Clasp's compelling production *Rattle Snake*. Coinciding with the change in UK Law in 2015 making coercive relationships a crime, *Rattle Snake* was originally commissioned by SASS and Durham Constabulary, funded by Durham PCC and the AHRC, and is used in the training of frontline police officers. Our annual International Women's Day Conference, *Unsettling the Myths we live by: Feminist Perspectives on Human Nature, Culture and Freedom*, broke even the previous buoyant attendance records from across Europe under the brilliant stewardship of Rachel Wiseman, who has sadly left Durham for Liverpool University. The keynote from Sally Haslanger inspired hours of discussion in the Lindisfarne that continued well into the night over dinner. We ended the year with *Towards an ethical polyamory*, again drawing in people from the wider region, with a detailed overview of the field from one of its leading figures, Meg Barker, and a very thoughtful paper from Catriona N'Dhuill (MLAC).

### **National Events:**

Susan Frenk and Simon Forrest hosted a one-day workshop on Gender and Leadership for Chevening which proved the perfect arena to interrogate historic models and map out alternatives for a better future. Thanks to Sam Mercadante from Chevening and Margret Rowe, Durham's Scholarships Officer, we gathered 41 Chevening scholars from around the world in the Lindisfarne Centre. Pooling our shared experiences, hopes and aspirations produced a dynamic, multifaceted exploration of obstacles and possibilities, an unexpected degree of consensus and some fine-grained attention to the detail of soft and hard forms of power. Following a welcome from the Provost, Antony Long, our keynote speaker, Lena Dominelli, elicited qualities of good and bad leadership from the scholars, followed by small group analysis of the gendering of language and imagery led by Susan Frenk. The day ended with a panel discussion chaired by Susan, with three women leaders of different ages, backgrounds and ethnicities and co-host Simon Forrest manfully reversing the usual token slot. Sade Sangowara joined us as the CEO of a local social enterprise, Lisa Whiting, the Academic Affairs Officer from Durham Students' Union and Ritu Katakya, Reader in Chemistry. Feedback has been extremely positive and the panel discussion ran well over the allocated time due to the enthusiasm of the Chevening scholars.

### **Centre staffing and other news**

2017 was also a year of further staffing changes as co-director Mark McCormack departed for Roehampton University following his research leave in Epiphany 2017. We all wish him well in his new post. CSGS will no longer be hosted in SASS, but will base itself in different affiliated departments for periods of 3-5 years, with one of the co-directors always drawn from the host department. Simon Forrest has kindly agreed to stay on as co-director for 2017-18 when he will be partly based in Newcastle and partly on projects in Stockton. Simon has been a key presence in Afterwork, in steering group and co-director meetings and other Centre activities

and it has been immensely helpful to have him on board during this period of transition.

It is with great sadness that we report the death of Lucille Cairns (MLAC), a committed, creative and supportive member of the steering group for the past three years. Lucille was remembered and celebrated in a Memorial Service organised by Santi Fouz-Hernandez and Catherine Dousstesyier-Khoze in November 2017 that brought together people from all over the UK, France and elsewhere. The deeply moving tributes to Lucille highlighted her humanity, kindness and inspirational teaching, as well as her extraordinary research. Her final monograph, *Eating Disorders in Contemporary French Women's Literature*, will be published by Liverpool University Press.

### **Research Update:**

Marc Shacter was awarded the £1000 provided by the Wolfson to enable him to travel to rare book and manuscript collections in three Italian cities: Florence, Perugia and Milan. The research was presented at the largest Queer Studies conference in Italy and will be published in 2018 in what he believes may turn out to be a transformative volume for sex and gender studies in Italy. Marc's contribution argues that there was a sea change in how sex between women was addressed in learned discourse in the early 1470s.

Jennifer Ingleheart completed her monograph for OUP, *Masculine Plural: Queer Classics, Sex and Education*, which will be published in the autumn of 2018

A selection of relevant publications in 2017 by members of CSGS includes:

Fouz-Hernandez, S. (2017) *Spanish Erotic Cinema*. Edinburgh University Press

Fouz-Hernandez, S. (2017) "Cuerpos, masculinidades y cine", in Sánchez Delgado, Anhelé (ed.), *Representaciones de género en la industria audiovisual*. Editorial Osífragos.

Pope, S. (2017). *The Feminization of Sports Fandom: A Sociological Study*. Routledge

Pope, S. (2017). *Sing When You're Women. Why it's Time to Take Female Sports Fans Seriously*. The Conversation.

## **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.

In the past year, CNRU has been successful in attracting £1M worth of funding for projects relating to attention in both the visual and motor system using functional

magnetic resonance imaging (fMRI), transcranial magnetic stimulation (TMS), eye movements and galvanic skin recording (GSR). One of these projects, in partnership with Channel 4, is using lab based technology to understand how our attention is deployed when watching television evidencing how this can be manipulated to guide advertising.

Our work to evidence predictive markers for the efficacy of interventions continues. The clinical trial for our treatment app for patients who experience visual loss following stroke (DREX: [www.dur.ac.uk/DREX](http://www.dur.ac.uk/DREX)) is concluding. Concurrent work has addressed the malleable factors we identified in evaluating the facilitators and barriers to the uptake of DREX improving its adoption by patients and thereby its efficacy. We are also evaluating the markers involved in the incidence of Progressive Super-Nuclear Palsy and aneurysms.



Members have given invited talks and presented their work at international conferences throughout the year. The CNRU currently supervises 8 PhD students and has four PDRAs.

Becker, L., Smith, D.T. & Schenk, T. (2017). [Investigating the familiarity effect in texture segmentation by means of event-related brain potentials](#). *Vision Research* 140: 120-132.

Ball, Keira, Birch, Yan, Lane, Alison, Ellison, Amanda & Schenk, Thomas (2017). [Comparing the effect of temporal delay on the availability of egocentric and allocentric information in visual search](#). *Behavioural Brain Research* 331: 38-46.

Ellison, Amanda, Ball, Keira L. & Lane, Alison R. (2017). [The Behavioral Effects of tDCS on Visual Search Performance Are Not Influenced by the Location of the Reference Electrode](#). *Frontiers in Neuroscience* 11: 520.

## Centre for Research into Violence and Abuse (CRiVA) members go down under!

After hosting a number of leading Australian academics at our CRiVA events and meetings, 2017/18 was our opportunity to do return visits, and four members visited at Australia and/or New Zealand. Here we outline some of our key achievements!

Stephen Burrell, postgraduate researcher, went on a DTC funded Overseas Institutional Visit to the Crime and Justice Research Centre/School of Justice at Queensland University of Technology (QUT), Brisbane, Australia (26th



June - 20th September 2017). During his time out there he presented at 'Crime and Justice in Asia and the Global South' International Conference in Cairns, organised by the QUT Crime and Justice Research Centre and the Asian Criminological Society (10th - 13th July). He also delivered a public seminar with his host Assistant Professor Michael Flood on engaging men in boys in preventing men's violence against women, for Gendered Violence Research Network at the University of New South Wales, Sydney (17th August). During his time out there he also managed to visit and develop deeper relationships with a range of voluntary sector and research organisations. He also found time to hug a koala!

Kathryn Royal, postgraduate researcher, also funded through a DTC award, visited RMIT in Melbourne, and also got the opportunity to speak at a RMIT organised research panel. While she was there, she also presented at ANZSOC in Canberra (December). She also found time to visit some penguins!

Andrea Darling, postgraduate researcher, went to New Zealand and Australia in November and December 2017, visiting Auckland University and Griffith University in Brisbane, as well as presenting at ANZSOC in Canberra, and ANZATSA in Auckland and was invited to speak at a colloquium at Griffith.



Nicole Westmarland, Director of CRiVA and Professor of Criminology, was funded by Monash University, Melbourne, to present at a number of public events on her research into domestic violence perpetrator programmes. She also met and presented her work to the Victorian Police, Magistrates, Government advisory committee on perpetrator interventions, and presented a copy of her work to the Special Minister of State Gavin Jennings. She kept away from all wildlife, but did take her children with her!

## Early Career Researchers

As the Wolfson Research Institute for Health and Wellbeing (WRIHW) moves into its 16th year of existence, it does so with a renewed focus on the importance of nurturing its early career research (ECR) community. Our ECR community mirrors the interdisciplinary commitment of the WRIHW, with PhD students in anthropology illuminating a brighter side to Ayahuasca tourism in South America, peers in bioscience ironing out some truths about dementia, and a wide variety in-between. Improving health and wellbeing is not restricted to a particular academic discipline, and neither are we.

The main goals of the ECR committee are as follows:

- To increase the sense of community between ECRs within the WRIHW
- To increase the visibility of ECRs within the WRIHW, and to wider audiences
- To offer ECRs within the WRIHW opportunities to develop their research, CV's, and understanding of what a career in research can look like.

In order to achieve these goals, we need to hear from you. Please contact a committee member via our dedicated website. You can also get more information, as well as links to our social media. <https://www.dur.ac.uk/wolfson.institute/esr/>

## 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. For more information please visit <https://www.dur.ac.uk/wolfson.institute/fellowships/postgraduate/>

## Fellows Publications 2017

### Dr John Adams

#### Edited book

- **Adams, J.W**, Barmby, P & Mesoudi, A (2017). [The Nature and Development of Mathematics](#). Cross Disciplinary Perspectives on Cognition, Learning and Culture. Routledge.

### Dr Nasima Akhter

#### Journal Article

- Mawn, L., **Oliver, E.J.**, Akhtar, N., Bambra, C., **Torgerson, C.**, Bridle, C. & Stain, H.J. (2017). [Are we failing young people not in employment, education or training \(NEETs\)? A systematic review and meta-analysis of re-engagement interventions](#). *Systematic Reviews* **6**: 16.
- Thomson, Katie H., Renneberg, Ann-Christin, McNamara, Courtney L., Akhter, Nasima, Reibling, Nadine & Bambra, Clare (2017). [Regional inequalities in self-reported conditions and non-communicable diseases in European countries: Findings from the European Social Survey \(2014\) special module on the social determinants of health](#). *European Journal of Public Health* **27**(Supplement 1): 14-21.
- **Bhandari, R.**, **Kasim, A.**, Warren, J., **Akhter, N.** & Bambra, C. (2017). [Geographical inequalities in health in a time of austerity: Baseline findings from the Stockton-on-Tees cohort study](#). *Health & Place* **48**: 111-122.

### Dr Andrea Armstrong

#### Journal Article

- **Armstrong, Andrea & Banks, Sarah** (2017). [Organizing for change: North Tyneside Community Development Project and its legacy](#). *Community Development Journal* **52**(2): 290-312.

### Professor Sarah Atkinson

#### Report

- **Atkinson, S.**, Bagnall, A.M., Corcoran, R. & South, J. (2017). [What is Community Wellbeing? Conceptual Review](#). London, What Works Centre for Wellbeing.

### Professor Sarah Banks

#### Journal Article

- **Banks, Sarah & Carpenter, Mick** (2017). [Researching the local politics and practices of radical Community Development Projects in 1970s Britain](#). *Community Development Journal* **52**(2): 226-246.
- **Armstrong, Andrea & Banks, Sarah** (2017). [Organizing for change: North Tyneside Community Development Project and its legacy](#). *Community Development Journal* **52**(2): 290-312.

- **Banks, Sarah**, Herrington, Tracey & Carter, Kathleen (2017). [Pathways to co-impact: action research and community organising](#). *Educational Action Research* **25**(4): 541-559.

#### **Prof Jens F. Beckmann**

##### **Journal Article**

- Birney, D.P., **Beckmann, J.F.**, **Beckmann, N.** & Double, K. (2017). [Beyond the Intellect: Complexity and learning trajectories in Raven's Progressive Matrices depend on self-regulatory processes and conative dispositions](#). *Intelligence* **61**: 63-77.
- Goode, N. & **Beckmann, J.F.** (2017). [With a little help ... On the role of guidance in the acquisition and utilisation of knowledge in the control of complex, dynamic systems](#). *Journal of Dynamic Decision Making* **2**: 4.
- **Beckmann, J.F.** & Goode, N. (2017). [Missing the wood for the wrong trees: On the difficulty of defining the complexity of Complex Problem Solving scenarios](#). *Journal of Intelligence* **5**(2): 15.
- **Beckmann, J.F.**, Birney, D. P. & Goode, N. (2017). [Beyond psychometrics: the difference between difficult problem solving and complex problem solving](#). *Frontiers in Psychology* **8**: 1739.

#### **Dr Nadin Beckmann**

##### **Journal Article**

- Birney, D.P., **Beckmann, J.F.**, **Beckmann, N.** & Double, K. (2017). [Beyond the Intellect: Complexity and learning trajectories in Raven's Progressive Matrices depend on self-regulatory processes and conative dispositions](#). *Intelligence* **61**: 63-77.
- **Dobson, E.**, **Beckmann, N.** & **Forrest, S.** (2017). [Educator-student communication in sex & relationship education: a comparison of teacher and peer-led interventions](#). *Pastoral Care in Education: An International Journal of Personal, Social and Emotional Development* **35**(4): 267-283.
- **Beckmann, N.** & Wood, R.E. (2017). [Editorial: Dynamic personality science: Integrating between-person stability and within-person change](#). *Frontiers in Psychology* **8**: 1486.

#### **Professor Vikki Boliver**

##### **Book review**

- **Boliver, V.** (2017). [Review of Natasha K. Warikoo \(2016\) The Diversity Bargain: And other dilemmas of race, admissions, and meritocracy at elite universities](#). *Sociology* **52**(4): 862-864.

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

- **Boliver, V.** & Wakeling, P. (2017). [Social mobility and higher education](#). In [Encyclopaedia of International Higher Education Systems and Institutions](#). Shin, J.C. & Teixeira, P.N. Dordrecht: Springer. 1-6.
- **Boliver, V.**, **Gorard, S.** & **Siddiqui, N.** (2017). [A more radical approach to contextualised admissions. In Where Next for Widening Participation and Fair Access? New Insights from Leading Thinkers](#). In [Where next for widening participation and fair access?](#). Oxford: HEPI/Brightside. 23-28.

- **Boliver, V., Gorard, S. & Siddiqui, N.** (2017). [How can we widen participation in higher education? The promise of contextualised admissions.](#) In *The University as a Critical Institution?*. Deem, R. & Eggins, H. Rotterdam: Sense Publishers. 95-110.

#### Journal Article

- **Boliver, V.** (2017). [Misplaced optimism: how higher education reproduces rather than reduces social inequality.](#) *British Journal of Sociology of Education* **38**(3): 423-432.
- **Gorard, S., Siddiqui, N. & Boliver, V.** (2017). [An Analysis of School-Based Contextual Indicators for Possible Use in Widening Participation.](#) *Higher Education Studies* **7**(2): 79.
- **Gorard, S., Boliver, V., Siddiqui, N. & Banerjee, P.** (2017). [Which are the most suitable contextual indicators for use in widening participation to HE?](#) *Research Papers in Education*

#### Report

- **Boliver, V., Gorard, S., Powell, M. & Moreira, T.** (2017). [Mapping and evaluating the use of contextual data in undergraduate admissions in Scotland.](#) Scottish Funding Council.
- **Boliver, V., Crawford, C., Powell, M. & Craige, W.** (2017). [Admissions in Context: The use of contextual information by leading universities.](#) London, Sutton Trust.

#### Working Paper

- **Gorard, S., Boliver, V., Siddiqui, N., Banerjee, P. & Morris, R.** (2017). [Which are the most suitable contextual indicators for use in widening participation to HE?](#) *Education working paper series*

#### Dr Lynda Boothroyd

##### Journal Article

- Schmitt, David, Alcalay, Lidia, Allik, Jüri, Alves, I.C.B., Anderson, Craig, Angelini, A.L., Asendorpf, Jens, Austers, Ivars, Balaguer, Isabel, Baptista, Américo, Bender, Sóley, Bennett, Kevin, Bianchi, Gabriel, Birashk, Behrooz, Bleske, April, Boholst, Fredrick, **Boothroyd, L.G.**, Borg Cunen, Mary, Borja, Teresa, Bos, Arjan, Brainerd, Edwin, Brase, Gary, Brites, José, Burakova-Lorgnier, M., Byrd, Mark, Camilleri, J.A., Camperio Ciani, Andrea, Caral, Leo, Carnelley, Katherine, Carvalho, Marina, Casson, Janette, Castillo, Isabel, Castro, Alejandro, Casullo, Maria, Chirkov, Valery, Choi, Jean, Cohen, Danielle, Collin-Hansen, Cecilie, Commisso, Melissa, Consuegra, Elvira, Cordovez, Lorena, Corrêa Varella, Marco, Cukur, Cem, Cunningham, Michael, Curl, Layton, Daniel, Petra, Denissen, Jaap, Desmarais, Serge, DeSouza, Eros, Diaz, Rolando, Duynslaeger, Marijke, Elias, M., Endriulaitiene, Aukse, Eremsoy, Ekin, Expósito, Francisca, Falzon, Ruth, Fernandez, Ana Maria, Fernando, Kumari, Ferreira, José, Fink, Bernhard, Fisher, Maryanne, Fitness, Julie, Flowers, Karissa, Frederick, David, Fry, Sirpa, Fukushima, Osamu, Gaines, Jr., Stanley, Galliher, Renee, Gandari, E., Geher, Glenn, Gentile, Douglas, Geri, Jessica, Giri, V.N., Giunta, Stephen, Golden, Deborah, Gordon, Kristina, Gordon, Fiona, Grammer, Karl, Grimaldi, Liria, Hajdú, Endre, Halberstadt, Jamin, Hald, Gert, Halim, Magdalena, Haque, Shamsul, Harlem, Siri, Hearn,

Krystle, Heaven, Patrick, Helweg, Marie, Herrera, Eduardo, Herrera, Dora, Hertel, Janine, Hoffmann, Heather, Høgh, Henrik, Houle, Barbara, Hudek, Jasna, Jaafar, Jas, Kafetsios, Konstantinos, Kardum, Igor, Khoury, Brigitte, Kökény, Tibor, Koller, Silvia, Konrads, Solvina, Kraft, John, Kuhle, Barry, Kun, Agota, Lányi, Katalin, Lauri, Maryanne, Lavy, Shiri, Lawal, Olufemi, Legkauskas, Visvaldas, Li, Chen, Lloyd, Robert, Locke, Kenneth, Lombardo, Sylvie, Luksik, Ivan, Lythe, Brian, Lyubomirsky, Sonja, Malinen, Sanna, Martin, Heather, Mikulincer, Mario, Mills, Michael, Mordeno, Imelu, Moya, Miguel, Ndeya, C., Nelissen, Mark, Neyer, Franz, Nyborg, Helmuth, Oliveira, V.B., Opre, Adrian, Osman, Suzanne, Ottesen Kennair, Leif, Overwalle, Frank, Paulhus, Delroy, Pawlowski, Boguslaw, Penke, Lars, Peplau, Letitia, Petrovic, Nebojsa, Platek, Steven, Podobnik, Nuška, Polonyi, Tünde, Popper, Miroslav, Rowatt, Wade, Ruch, Willibald, Rukuni, Margaret, Rus, Velko, Sagarin, Brad, Sakaguchi, Kikue, Salas, Sonia, Sandnabba, N., Santtila, Pekka, Schachner, Dory, Schmidt, Monika, Schütz, Astrid, Shackelford, Todd, Shaver, Phillip, Sibisi, Lindiwe, Sichona, Francis, Simonetti, Franco, Sineshaw, Tilahun, Souma, Toshihiko, Stefanovic Stanojevic, Tatjana, Sukiennik, Irmina, Sümer, Nebi, Szeghy, Petra, Szente, Sara, Szlendak, Tomasz, Tefera, Daniel, Thoma, Niki, Tifferet, Sigal, Tkach, Chris, Tordai, Zita, Tranthan, Eleanor, Tsaousis, Ioannis, Tungaraza, F.S.K., van Empelen, Pepijn, Vanwesenbeeck, Ine, Vera, Pablo, Voracek, Martin, Vorontsov, Dmitry, Wan, Wendy, Weiss, Petr, Welsh, Deborah, Widyatmoko, Siswa, Woertman, Liesbeth, Wood, Eileen, Woodward, Lucinda, Ye, Hai, Youn, Gahyun & Zupančič, Agata

(2017). [Narcissism and the Strategic Pursuit of Short-Term Mating: Universal Links across 11 World Regions of the International Sexuality Description Project-2](#). *Psychological Topics* **26**(1): 89-137.

- **Kuay, Hue San**, Tiffin, Paul A., **Boothroyd, Lynda G.**, **Towl, Graham J.** & Centifanti, Luna C. M. (2017). [A New Trait-Based Model of Child-to-Parent Aggression](#). *Adolescent Research Review* **2**(3): 199-211.
- **Boothroyd, Lynda G.** & Cross, Catharine P. (2017). [Father absence and gendered traits in sons and daughters](#). *PLOS ONE* **12**(7): e0179954.
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## Professor Toby Breckon

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#### Dr Hannah Brown

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## Dr Mike Burt

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## Emeritus Professor David S. Byrne

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

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#### Frank Coolen

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#### Dr Lee Copping

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**Dr Judith Covey**

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**Ms Denise Crane**

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**Stephen Crossley**

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**Professor Sarah Elizabeth Curtis**

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**Dr Paul Denny**

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**Dr Caroline Dodd-Reynolds**

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### Professor Matthew Daniel Eddy

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### Professor Amanda Ellison

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### Professor Kiran Fernandes

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### Professor Charles Fernyhough

#### Chapter in book

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### **Professor Emma Flynn**

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### **Prof John Girkin**

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## Professor Stephen Gorard

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#### Dr Becky Gowland

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- Errickson, D., **Grueso, I.**, Griffith, S., **Setchell, J.**, Thompson, T. J. U., Thompson, C. E. L. & **Gowland, R. L.** (2017). [Towards a best practice for the use of active non-contact surface scanning to record human skeletal remains from archaeological contexts](#). *International Journal of Osteoarchaeology* **27**(4): 650-661.
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#### Dr Les Graham

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#### Dr Patrick Gray

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- **Gray, Patrick** (Forthcoming). The Logic of the Preemptive Strike: Justice, War, and the Thucydides Trap in Ancient Greek and Roman Literature. In [Just War Theory in Literature: Facts and Fictions](#). Quabeck, Franziska Palgrave Macmillan.

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- **Gray, Patrick** (2017), [The Enchanted Palace: Form and Content in Ariosto's Orlando Furioso](#), *Poetics Before Modernity*. Centre for Research in the Arts, Social Sciences, and Humanities (CRASSH), Cambridge University.
- **Gray, Patrick** (2017), What is Iago? Shakespeare and Spenser on Imagination and the Demonic, For the seminar, 'Afterlives of Medieval Drama,' led by Katherine Goodland [Shakespeare Association of America](#). Atlanta, Georgia..
- **Gray, Patrick** (2017), [Literature vs. Propaganda: Ambiguity and the Catharsis of Doubt](#), *Outside the Frame of Theory*. Albert-Ludwigs-Universität Freiburg.
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## Professor Simon Hackett

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## Professor Kate Hampshire

### Authored book

- **Porter, G., Hampshire, K.,** Abane, A., Munthali, A., Robson, A. & Mashiri, M. (2017). [Young People's Daily Mobilities in Sub-Saharan Africa: Moving Young Lives](#). New York: Palgrave Macmillan.

#### Journal Article

- **Hampshire, Kate,** Hamill, Heather, Mariwah, Simon, Mwanga, Joseph & Amoako-Ksakyi, Daniel (2017). [The application of Signalling Theory to health-related trust problems: The example of herbal clinics in Ghana and Tanzania](#). *Social Science & Medicine* **188**: 109-118.
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#### Dr Mary Hanley

##### Journal Article

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#### Dr Markus Hausmann

##### Journal Article

- Weis, S., Hodgetts, S. & **Hausmann, M.** (2017). [Sex differences and menstrual cycle effects in cognitive and sensory resting state networks](#). *Brain and Cognition*

#### Professor Steve Higgins

##### Chapter in book

- **Higgins, S.** (2017). [Room in the Toolbox? The place of randomised controlled trials in educational research](#). In *Mobilising Teacher Researchers: Challenging Educational Inequality*. Childs, A. & Menter, I. Abingdon, Oxon: Routledge.
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##### Journal Article

- **Alabdulaziz, M. & Higgins, S.** (2017). [Understanding technology use and constructivist strategies when addressing Saudi primary students' mathematics difficulties](#). *International Journal of Innovative Research in Science, Engineering and Technology* **6**(1): 105, 586-593.
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[\(TRECA study\): Study Protocol for a series of linked randomised controlled trials](#). *Trials* **18**: 265.

- **Xiao, Z., Higgins, S. & Kasim, A.** (2017). [An Empirical Unravelling of Lord's Paradox](#). *The Journal of Experimental Education*

## Report

- Coldwell, M., Greany, T., **Higgins, S.**, Brown, C., Maxwell, B., Stiell, B., Stoll, L., Willis, B. & Burns, H. (2017). [Evidence-informed teaching: an evaluation of progress in England. Appendices. Research Report July 2017 \(DFE- RR696a\)](#). London, Department for Education.
- Coldwell, M., Greany, T., **Higgins, S.**, Brown, C., Maxwell, B., Stiell, B., Stoll, L., Willis, B. & Burns, H. (2017). [Evidence-informed teaching: an evaluation of progress in England. Research report July 2017 \(DFE- RR696\)](#). London, Department for Education.

## Dr Frances Hillier-Brown

### Journal Article

- **Smith, S.A., Visram, S., O'Malley, C., Summerbell, C., Araujo-Soares, V., Hillier-Brown, F. & Lake, A.A.** (2017). [Designing equitable workplace dietary interventions: perceptions of intervention deliverers](#). *BMC Public Health* **17**: 808.

## Dr Claire Horwell

### Journal Article

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- **Damby, D.E., Horwell, C.J.,** Larsen, G., Thordarson, T., Tomatis, M., Fubini, B. & Donaldson, K. (2017). [Assessment of the potential respiratory hazard of volcanic ash from future Icelandic eruptions: a study of archived basaltic to rhyolitic ash samples](#). *Environmental Health* **16**: 98.
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## Dr Alison Jobe

### Report

- **O'Neill, M., Jobe, A.,** Bilton, C., Stockdale, K., Kath, Hannah & Community co-researchers (2017). [Peer Talk: Hidden Stories. A Participatory Research Project with Women Who Sell or Swap Sex in Teesside](#). *School of Applied Social Sciences*. Stockton-on-Tees, A Way Out.

## Mrs Karen Jones

### Journal Article

- Jones, Karen L., **Tymms, Peter**, Kemethofer, David, O'Hara, Joe, McNamara, Gerry, Huber, Stephan, Myrberg, Eva, Skedsmo, Guri & Greger, David (2017). [The unintended consequences of school inspection: the prevalence of inspection side-effects in Austria, the Czech Republic, England, Ireland, the Netherlands, Sweden, and Switzerland](#). *Oxford review of education* **43**(6): 805-822.

## Dr. Andrew Joyce-Gibbons

### Chapter in book

- **Joyce-Gibbons, A.** (2017). Writing in History. In [Inviting Writing: Teaching and Learning Writing Across the Primary Curriculum](#). Bushnell, A. & **Wagh, D.** Learning Matters.

### Journal Article

- 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 Online First*.

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- **Joyce-Gibbons, A.**, McNaughton, J., Tan, E., Young, N., Beauchamp, G. & Crick, T. (2017), [SynergyNet into schools: Facilitating Remote Inter-Group Collaborative Learning Using Multi-touch Tables](#), [CSCL 2017: The 12th International Conference on Computer Supported Collaborative Learning: Making a Difference—Prioritizing Equity and Access in CSCL](#). Philadelphia, Pennsylvania.
- Tan, E., Loughlin, E. & **Joyce-Gibbons, A.** (2017), [Developing student-led research: Customer, consumer, colleague, collaborator](#), [The 17th Biennial EARLI Conference](#). Tampere.

## Dr Akis (Iakowos) Karakesisoglou

### Journal Article

- Rapisarda, Valentina, Malashchuk, Igor, Asamaowei, Inemo E., Poterlowicz, Krzysztof, Fessing, Michael Y., Sharov, Andrey A., **Karakesisoglou, Iakowos**, Botchkarev, Vladimir A. & Mardaryev, Andrei (2017). [p63 transcription factor regulates nuclear shape and expression of nuclear envelope-associated genes in epidermal keratinocytes](#). *Journal of Investigative Dermatology* **137**(10): 2157-2167.

## Dr Adetayo Kasim

### Conference Paper

- Akowuah, E., **Hancock, H.**, **Maier R.**, **Kasim, A.**, Goodwin A., Owens, W.A., Mason, J. & Murphy, G. (2017), [Manubrium-limited ministernotomy versus conventional sternotomy for aortic valve replacement: A randomised controlled trial \(MAVRIC\)](#), [Society for Cardiothoracic Surgery Annual Meeting](#). Belfast, Northern Ireland.

## Journal Article

- Akowuah, E., Goodwin, A.T., Owens, W.A., **Hancock, H.C., Maier, R., Kasim, A.K.**, Mellor, A., Khan, K., Murphy, G. & Mason, J.M. (2017). [Manubrium-limited ministernotomy versus conventional sternotomy for aortic valve replacement \(MAVRIC\): study protocol for a randomized controlled trial](#). *Trials* **18**: 46.
- **Farrants, K.**, Bambra, C., Nylen, L., **Kasim, A.**, Bustrom, B. & **Hunter, D.** (2017). [The recommodification of Healthcare? A case study of user charges and inequalities in access to healthcare in Sweden 1980-2005](#). *Health Policy* **121**(1): 42-49.
- Van Moerbeke, Marijke, **Kasim, Adetayo**, Talloen, Willem, Reumers, Joke, Göhlmann, Hinrick W. H. & Shkedy, Ziv (2017). [A random effects model for the identification of differential splicing \(REIDS\) using exon and HTA arrays](#). *BMC Bioinformatics* **18**(1): 273.
- Birlie, Belay, Braekers, Roel, Awoke, Tadesse, **Kasim, Adetayo** & Shkedy, Ziv (2017). [Multi-state models for the analysis of time-to-treatment modification among HIV patients under highly active antiretroviral therapy in Southwest Ethiopia](#). *BMC Infectious Diseases* **17**(1): 453.
- Otava, Martin, Sengupta, Rudradev, Shkedy, Ziv, Lin, Dan, Pramana, Setia, Verbeke, Tobias, Haldermans, Philippe, A. Hothorn, Ludwig, Gerhard, Daniel, Kuiper, Rebecca M., Klinglmueller, Florian & **Kasim, Adetayo** (2017). [IsoGeneGUI: Multiple Approaches for Dose-Response Analysis of Microarray Data Using R](#). *The R Journal* **9**(1): 14--26.
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- **Bhandari, R., Kasim, A.**, Warren, J., **Akhter, N.** & Bambra, C. (2017). [Geographical inequalities in health in a time of austerity: Baseline findings from the Stockton-on-Tees cohort study](#). *Health & Place* **48**: 111-122.

## Dr Jeremy Kendal

### Chapter in book

- **Kendal, Jeremy** (2017). [Foreword](#). In *The Evolution of Human Wisdom*. Deane-Drummond, Celia & Fuentes, Agustín Lanham: Lexington Books. vii.

### Journal Article

- Acerbi, A., **Kendal, J.** & **Tehrani, J.J.** (2017). [Cultural complexity and demography: The case of folktales](#). *Evolution and Human Behavior* **38**(4): 474-480.
- Vale, Gillian, **Flynn, Emma G., Kendal Jeremy R., Rawlings, Bruce**, Hopper Lydia M., Schapiro Steven J., Lambeth Susan P. & **Kendal Rachel L.** (2017). [Testing differential use of payoff-biased social learning strategies in children and chimpanzees](#). *Proceedings of the Royal Society B* **284**(1868): 20171751.

## Dr Bob Kentridge

### Journal Article

- Norman, L. J., Heywood, C. A. & Kentridge, R. W. (2017). [Texture segmentation without human V4](#). *Visual Cognition* **25**(1-3): 184-195.
- Peters, Megan A. K., Kentridge, Robert W., Phillips, Ian & Block, Ned (2017). [Does unconscious perception really exist? Continuing the ASSC20 debate](#). *Neuroscience of Consciousness* **3**(1).
- Chadwick, A.C., Heywood, C.A., Smithson, H.E. & Kentridge, R.W. (2017). [Translucence perception is not dependent on cortical areas critical for processing colour or texture](#). *Neuropsychologia*

## Dr Alison Lane

### Journal Article

- Ball, Keira, Birch, Yan, Lane, Alison, Ellison, Amanda & Schenk, Thomas (2017). [Comparing the effect of temporal delay on the availability of egocentric and allocentric information in visual search](#). *Behavioural Brain Research* **331**: 38-46.
- Ellison, Amanda, Ball, Keira L. & Lane, Alison R. (2017). [The Behavioral Effects of tDCS on Visual Search Performance Are Not Influenced by the Location of the Reference Electrode](#). *Frontiers in Neuroscience* **11**: 520.

## Prof Steve Lindsay

### Journal Article

- Njoroge, M.M., Tirados, I., Lindsay, S.W., Vale, G.A., Torr, S.J. & Fillinger, U. (2017). [Exploring the potential of using cattle for malaria vector surveillance and control: a pilot study in western Kenya](#). *Parasites & Vectors* **10**(1): 18.
- Lindsay, S.W., Wilson, A.L., Golding, N., Scott, T.W. & Takken, W. (2017). [Improving the built environment in urban areas to control Aedes aegypti-borne diseases](#). *Bulletin of the World Health Organization* **95**(8): 607-608.
- Tusting, L.S., Bottomley, C., Gibson, H., Kleinschmidt, I., Tatem, A.J., Lindsay, S.W. & Gething, P.W. (2017). [Housing Improvements and Malaria Risk in Sub-Saharan Africa: A Multi-Country Analysis of Survey Data](#). *PLOS Medicine* **14**(2): e1002234.
- Bangert, Mathieu, Molyneux, David H., Lindsay, Steve W., Fitzpatrick, Christopher & Engels, Dirk (2017). [The cross-cutting contribution of the end of neglected tropical diseases to the sustainable development goals](#). *Infectious Diseases of Poverty* **6**(1): 73.
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- Raouf, S., Mpimbaza, A., Kigozi, R., Sserwanga, A., Rubahike, A., Katamba, H., Lindsay, S.W., Kapella, B.K., Belay, K.A., Kanya, M.R., Staedke, S.G. & Dorsey, G. (2017). [Resurgence of malaria following discontinuation of indoor residual spraying of insecticide in a previously high transmission intensity area of Uganda](#). *Clinical Infectious Diseases* **65**(3): 453-460.

- **Tangena, Julie-Anne A.**, Thammavong, Phoutmany, **Lindsay, Steve W.** & Brey, Paul T. (2017). [Risk of exposure to potential vector mosquitoes for rural workers in Northern Lao PDR](#). *PLOS Neglected Tropical Diseases* **11**(7): e0005802.
- Von Seidlein, L., Ikonomedis, K., Mshamu, S., Nkya, T.E., Mukaka, M., Pell, C., **Lindsay, S.W.**, Deen, J., Kisinza, W.N. & Knudsen, J.B. (2017). [Affordable house designs to improve health in rural Africa: a field study from northeastern Tanzania](#). *The Lancet Planetary Health* **1**(5): e188-e199.
- Mwesigwa, Julia, Achan, Jane, Di Tanna, Gian Luca, Affara, Muna, Jawara, Musa, Worwui, Archibald, Hamid-Adiamoh, Majidah, Kanuteh, Fatoumatta, Ceesay, Sainey, Bousema, Teun, Drakeley, Chris, Grietens, Koen Peeters, **Lindsay, Steve W.**, Van geertruyden, Jean-Pierre & D'Alessandro, Umberto (2017). [Residual malaria transmission dynamics varies across The Gambia despite high coverage of control interventions](#). *PLOS ONE* **12**(11): e0187059.

#### **Dr Iain Lindsey**

##### **Authored book**

- **Lindsey, I.**, Kay, T., Jeanes, R. & Banda, D. (2017). [Localizing global sport for development](#). Manchester University Press.
- **Lindsey, I.** & **Chapman, T.** (2017). [Enhancing the Contribution of Sport to the Sustainable Development Goals](#). Commonwealth Secretariat.

#### **Professor Gordon Love**

##### **Conference Paper**

- Aksit, Kaan, Ng, Ren, Banks, Martin S., Love, Gordon D., Lopes, Ward, Kim, Jonghyun, Spjut, Josef, Patney, Anjul, Shirley, Peter, Luebke, David, Cholewiak, Steven A. & Srinivasan, Pratul (2017), [Varifocal virtuality: a novel optical layout for near-eye display](#), ACM SIGGRAPH 2017 Emerging Technologies on - SIGGRAPH '17. Los Angeles, ACM, New York, 25.

##### **Journal Article**

- Cholewiak, Steven A., **Love, Gordon D.**, Srinivasan, Pratul P., Ng, Ren & Banks, Martin S. (2017). [ChromaBlur: Rendering Chromatic Eye Aberration Improves Accommodation and Realism](#). *ACM Transactions on Graphics* **36**(6): 210.

#### **Dr Karen Lowing**

##### **Journal Article**

- **Lowing, K.** (2017). [The Scots Language and its cultural and social capital in Scottish schools: a case study of Scots in Scottish secondary classrooms](#). *Scottish Language* (36): 1-21.

#### **Professor Jane Macnaughton**

##### **Journal Article**

- **Rose, Arthur**, Duschinsky, Robbie & **Macnaughton, Jane** (2017). [Cynicism as a strategic virtue](#). *The Lancet* **389**(10070): 692-693.

- **Macnaughton, Jane** (2017). [The past, present, and future of medical humanities](#). *postmedieval: a journal of medieval cultural studies* **8**(2): 234-239.

### **Professor Holger Maehle**

#### **Edited Journal**

- **Maehle, Andreas-Holger** & Wolfram, Heather (2017). [History of hypnotism in Europe](#). *Notes and Records: The Royal Society Journal of the History of Science*, **71** (2): The Royal Society Publishing.

#### **Journal Article**

- **Maehle, Andreas-Holger** (2017). [A Dangerous Method? The German Discourse on Hypnotic Suggestion Therapy around 1900](#). *Notes and Records: The Royal Society Journal of the History of Science* **71**(2): 197-211.

### **Dr Kesson Magid**

#### **Journal Article**

- **Magid, Kesson, Sarkol, Vera & Mesoudi, Alex** (2017). [Experimental priming of independent and interdependent activity does not affect culturally variable psychological processes](#). *Royal Society Open Science* **4**(5): 161025.

### **Dr Stephen McGough**

#### **Chapter in book**

- **Al Moubayed, N., Wall, D. & McGough, A. S.** (2017). [Identifying Changes in the Cybersecurity Threat Landscape using the LDA-Web Topic Modelling Data Search Engine](#). In Human aspects of information security, privacy and trust: 5th International Conference, HAS 2017, held as part of HCI International 2017, Vancouver, BC, Canada, July 9-14, 2017, proceedings. Tryfonas, Theo Cham: Springer. 287-295.

#### **Conference Paper**

- **A. S, McGough, N, Al Moubayed & M, Forshaw** (2017), [Using Machine Learning in Trace-driven Energy-Aware Simulations of High-Throughput Computing Systems](#), ICPE '17 Companion 3rd International Workshop on Energy-aware Simulation (ENERGY-SIM'17). L'Aquila, ACM, New York, 55-60.

### **Professor Christine Merrell**

#### **Journal Article**

- Demetriou, A., **Merrell, C. & Tymms, P.** (2017). [Mapping and Predicting Literacy and Reasoning Skills from Early to Later Primary School](#). *Learning and Individual Differences* **54**: 217-225.
- Luyten, H., **Merrell, C. & Tymms, P.** (2017). [The contribution of schooling to learning gains of pupils in Years 1 to 6](#). *School Effectiveness and School Improvement* **28**(3): 374-405

#### **Report**

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### Translated Book

- Konkawa, A., Ebine, H. & Sugita, K. (trans.) (2017). Christine Merrell and Peter Tymms, [小学校における困難児への対応 教師への指導指針第2版](#) (*Working with Difficult Children in Primary Schools. A Guide for Teachers - 2nd Edition*). Durham: Centre for Evaluation and Monitoring (CEM)

### Dr Helen Moore

#### Journal Article

- Latomme, J., Cardon, G., De Bourdeaudhuij, I., Iotova, V., Koletzko, B., Socha, P., Moreno, L., Androutsos, O., Manios, Y., De Craemer, M., Paw, M.C.A., **Summerbell, C.**, Lobstein, T., Annemans, L., Buijs, G., Reilly, J., Swinburn, B., Ward, D., Grammatikaki, E., Katsarou, C., Apostolidou, E., Efsthathopoulou, E., Duvinage, K., Ibrügger, S., Strauß, A., Herbert, B., Birnbaum, J., Payr, A., Geyer, C., De Decker, E., De Henauw, S., Maes, L., Vereecken, C., Van Assche, J., Pil, L., Te Velde, S., Mouratidou, T., Fernandez, J., Mesana, M., De Miguel-Etayo, P., González, E., Gracia-Marco, L., Oves, B., Yngve, A., Kugelberg, S., Lynch, C., Mosdøl, A., Nilsen, B.B., **Moore, H.**, **Douthwaite, W.**, **Nixon, C.**, Kreichauf, S., Wildgruber, A., Kulaga, Z., Zych, K., Gózdź, M., Gurzkowska, B., Szott, K., Lateva, M., Usheva, N., Galcheva, S., Marinova, V., Radkova, Z., Feschieva, N., Aikenhead, A., Dorgelo, A., Nethe, A., Jansen, J., Gmeiner, O., Retterath, J., Wildeis, J., Günthersberger, A., Gibson, L. & Voegele, C. (2017). [Effect and process evaluation of a kindergarten-based, family-involved intervention with a randomized cluster design on sedentary behaviour in 4- to 6- year old European preschool children: The ToyBox-study](#). *PLOS ONE* **12**(4): e0172730.

### Professor Tiago Moreira

#### Authored book

- Moreira, T. (2017). [Science, Technology and the Ageing Society](#). Abingdon, Oxon: Routledge.

### Dr Caitlin Nunn

#### Journal Article

- McMichael, Celia, Nunn, Caitlin, Correa-Velez, Ignacio & Gifford, Sandra M. (2017). [Resettlement of refugee youth in Australia: experiences and outcomes over time](#). *Forced Migration Review* **54**: 66-68.
- **Nunn, Caitlin**, Gifford, Sandra M., McMichael, Celia & Correa-Velez, Ignacio (2017). [Navigating precarious terrains: Reconceptualising refugee youth settlement](#). *Refuge: Canada's Journal on Refugees* **33**(2): 45-55.

#### Other (Digital/Visual Media)

- **Nunn, C.**, Al Jamal, A., Al Khalaf, A., Al Mahmoud, A., Al Monajed, S., Al Monajed, T., Baroutaji, H., El Hamood, A., El Hamood, M., Ghafarji, N., Heshma, S., Kadro, M., Kadro, N., Mohamed, I., Mohamed, N., Finch, I., Jedrzejewski, P., Morley, A. & Rose, L.A. (2017). From Syria to Gateshead (Exhibition), BALTIC Centre for Contemporary Art & Shipley Art Gallery.

**Dr Kate O'Brien**

**Journal Article**

- Chatwin, Caroline, **Measham, Fiona, O'Brien, Kate** & Sumnall, Harry (2017). [New drugs, new directions? Research priorities for new psychoactive substances and human enhancement drugs](#). *International Journal of Drug Policy* **40**: 1-5.

**Professor Maggie O'Neill**

**Report**

- **O'Neill, M., Jobe, A.**, Bilton, C., Stockdale, K., Kath, Hannah & Community co-researchers (2017). [Peer Talk: Hidden Stories. A Participatory Research Project with Women Who Sell or Swap Sex in Teesside](#). *School of Applied Social Sciences*. Stockton-on-Tees, A Way Out.

**Dr Boguslaw Obara**

**Conference Paper**

- **Sazak, Çiğdem & Obara, Boguslaw** (2017), [Contrast-independent curvilinear structure enhancement in 3D biomedical images](#), *IEEE 14th International Symposium on Biomedical Imaging (ISBI 2017)*. Melbourne, IEEE, Piscataway, 1165-1168.
- **Jackson, Philip T.G. & Obara, Boguslaw** (2017), [Avoiding over-detection: towards combined object detection and counting](#), *Lecture Notes in Computer Science, 10245: 16th International Conference on Artificial Intelligence and Soft Computing (ICAISC 2017)*. Zakopane, Poland, Springer, Cham, 75-85.
- **Anna Leone, Marco Nebbia, Morgan Belzic, John Brennan, Ibad Kureshi, Boguslaw Obara, Georgios Theodoropoulos**, Moftah Haddad, Naser Alhrari & Mahmoud Hadia (2017), Art crime and stolen heritage: towards an archaeological consensus, *European Association of Archaeologists*. Maastricht, The Netherlands.
- **Stephen Bonner, John Brennan, Ibad Kureshi**, Georgios Theodoropoulos, Stephen McGough & Boguslaw Obara (2017), [Evaluating the quality of graph embeddings via topological feature reconstruction](#), *IEEE International Conference on Big Data*. Boston, MA, IEEE.

**Journal Article**

- Fricker, Mark D., Akita, Dai, Heaton, Luke L.M., Jones, Nick, **Obara, Boguslaw** & Nakagaki, Toshiyuki (2017). [Automated analysis of Physarum network structure and dynamics](#). *Journal of Physics D* **50**(25): 254005.

**Dr Emily J. Oliver**

**Edited Journal**

- Flint, S.W., **Oliver, E.J.** & Copeland, R (2017). [Obesity stigma in healthcare: impacts on policy, practice, and patients](#). *Frontiers in Psychology, Eating Behavior*, 8 (2149).

**Journal Article**

- Mawn, L., **Oliver, E.J.**, Akhtar, N., Bambra, C., **Torgerson, C.**, Bridle, C. & Stain, H.J. (2017). [Are we failing young people not in employment, education or](#)

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### **Professor Joe Painter**

#### **Chapter in book**

- Askins, K., Burton, K., Norcup, J., **Painter, J.** & Sidaway, J. (Forthcoming). [The United Kingdom](#). In [Placing Critical Geography: International Histories of Critical Geographies](#). Best, U. & Berg, L. Routledge.

#### **Journal Article**

- Daley, P., McCann, E., Mountz, A. & **Painter, J.** (2017). [Editorial. Re-imagining Politics and Space: Why here, why now?](#). *Environment and Planning C: Politics and Space* **35**(1): 3-5.
- Painter, J. (2017). [Why we need to talk about money](#). *Soundings: a Journal of Politics and Culture* **66**: 34-39.
- **Painter, J.**, Papada, E., Papoutsi, A. & Vradis, A. (2017). [Hotspot politics—or, when the EU state gets real](#). *Political Geography* **60**: 259-260.

### **Professor Shaun Pattinson**

#### **Authored book**

- **Pattinson, Shaun D.** (2017). [Medical Law and Ethics](#). 5th ed., London: Sweet & Maxwell.

#### **Chapter in book**

- **Pattinson, Shaun D.** (2017). [Some Comments on Developmental Thresholds and their Moral and Policy Significance](#). In [Human Embryo Culture](#). Nuffield Council on Bioethics. 81–83.

#### **Journal Article**

- Gerke, Sara & **Pattinson, Shaun D.** (2017). [EU Marketing Authorisation of Orphan Medicinal Products and Its Impact on Related Research](#). *European Journal of Health Law* **24**(5): 541-564.
- **Pattinson, Shaun D.** & Kind, Vanessa (2017). [Using a Moot to Develop Students' Understanding of Human Cloning and Statutory Interpretation](#). *Medical Law International* **17**(3): 111-133.

#### **Manual**

- **Pattinson, Shaun D.**, Kind, Vanessa & Douglas, Benedict (2017). [Ethics Activity Pack](#).
- **Pattinson, Shaun D.**, Kind, Vanessa, Douglas, Benedict & Howell, Mary (2017). [Human Cloning Activity Pack](#).
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## Presentation

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## Dr Ehmke Pohl

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## Dr Tessa M. Pollard

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## Dr Stacey Pope

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## Prof Roy Andrew Quinlan

### Journal Article

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## Dr Nadja Reissland

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## Professor Deborah Riby

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#### **Dr Ian Rickard**

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#### **Dr Rosie Ridgway**

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#### **Prof Charlotte Roberts**

##### **Authored book**

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#### Dr Martin Roderick

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### Dr Andrew J. Russell

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### Dr David Sanderson

#### Journal Article

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### Dr Paige Scalf

#### Journal Article

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## Dr Beng Huat See

### Journal Article

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- Siddiqui, N., Gorard, S. & See, B.H. (2017). [Children's University and Youth Social Action, Evaluation Report and Executive Summary](#). School of Education. London, Education Endowment Foundation.
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### Journal Article

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## Dr Nadia Siddiqui

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#### Professor Bob Simpson

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#### Dr Daniel Smith

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#### Prof Roger Smith

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#### Prof. Jonathan W. Steed

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#### **Prof. Patrick G. Steel**

##### **Journal Article**

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#### **Dr Jamie Tehrani**

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#### Dr Lore Thaler

##### Chapter in book

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#### Prof Carole Torgerson

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#### Professor Graham Towl

##### Authored book

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#### Dr Jonathan Tummons

##### Chapter in book

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## Prof Peter Tymms

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## Professor Nicole Westmarland

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## Dr Tom Widger

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## Dr Jonathan Wistow

### Journal Article

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**Dr Angela Woods**

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**Dr Jun Jie Wu**

**Journal Article**

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**Dr Keming Yang**

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