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Institution:	University of Northumbria at Newcastle
Unit of Assessment:	4 - Psychology, Psychiatry and Neuroscience
<p>a. Overview</p> <p>Research in the Department of Psychology is focused on three main areas:</p> <ul style="list-style-type: none"> • Cognition and Communication. This group investigates how people from typical and atypical populations communicate and interact with one another in both real and virtual worlds. Specific areas include: neural basis of reading and visual word recognition; typical and atypical cognitive and language development; cognitive neuroscience of visuo-motor interaction; cognition and the ageing process; neurocognition of consciousness and music. • Health in Action. This group examines the interface between bio-psycho-social states and health behaviour and outcome. Areas of work include: processes of gene-environment interaction in sleep quality and insomnia; impact of glucose levels on neurological and cognitive function across the life span and in dementia and diabetes; individual differences in psychological mediators of deleterious health outcomes; complex psychosocial interventions in clinical populations, such as head and neck cancer survivors; fear of falling in the elderly; medically unexplained symptoms; and interventions for alcohol abuse. • Evolution, Perception and Behaviour. This group addresses evolutionary theory explanations of human perception and behaviour. Topics include human movement; mate choice/behaviour; psycho-emotional functioning and personality; perception of cues of attraction; prenatal programming, developmental stability; eating disorders and autism. <p>This submission captures only part of the research of the Psychology Department, where a particular strength is its high impact, translational, interdisciplinary research. This work is conducted through the Brain Performance and Nutrition (BPN) Research Centre (submitted under UoA 3), the Psychology and Communication Technology Lab (PaCTLab) (submitted under UoA 34) and the Health in Action group (submitted here). All have had significant RCUK and industry funding and directly address national and international research priorities in relation to public health, cybersecurity and the digital economy.</p>	
<p>b. Research strategy</p> <p>In 2008, the University created an £18 million Strategic Investment Fund (SIF) to facilitate the recruitment and retention of high quality research staff and students and improve research support. During the period 2008-2013 staff have published more than 540 research outputs including 316 peer reviewed journal articles, 14 authored/monograph books and 69 edited books/chapters. Since 2008 we have also appointed 14 new academic staff with significant research profiles in our core areas: three Professors; one Reader; two Anniversary Research Fellows and eight Lecturers/Senior Lecturers. In addition we have made two promotions to Chair (Defeyter, Ellis) and one to Reader (Riby). We have seen an increase of 79% in PGR enrolments, from 14.5 FTE PGR students enrolled in 2007 to 26 in 2013. This is accompanied by a 91% increase in the number of doctoral completions, from 11 reported for RAE 2008 to 21 in the current REF period. We have also seen a very significant rise in RCUK and industry research funding; however, a large proportion of this is not captured in the REF 4 data for this UoA as it is associated with research centres returned in UoAs 3 and 34 as noted above. In 2008 part of our strategy was to grow research in the key areas of cognition and communication, lifespan development and health. Not only have we achieved these goals but we have exceeded expectations by adding a third new research area: evolution, perception and behaviour. As a result, research in the Psychology Department is now organised around three centres:</p> <p>Cognition and Communication</p> <p>This is the largest research centre in Psychology and has three recognised areas of activity:</p> <p>(a) <i>Cognition across the lifespan:</i> Doherty-Sneddon (Professor) receives funding from ESRC for her work on face processing, gaze and communication in atypical children and those with neurodevelopmental disorders (e.g. Williams Syndrome, Autism Spectrum disorders). Defeyter (Professor, with funding from ESRC and industry) has two areas of focus: the development of</p>	

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knowledge of ownership and artefact function in children and the role breakfast plays in child well-being and cognitive development; while **James** (Reader) investigates interventions for hearing impairment and speech and language therapy (in collaboration with Yorkshire Cochlear Implant Centre). **McInnes** leads *North East Age Research* – a 30 year longitudinal research project with older adults funded by ESRC and MRC, conducted in collaboration with Manchester University. The project charts cognitive change, mobility, health, sleep and quality of life in over 50s. **Riby** examines age related changes in cognitive function, functional living and diabetes, with collaborators in MPI, Leipzig and York and funding from NHS and Diabetes UK; (b) *Language and Communication*: **Cornelissen** (Professor, funded by ESRC, EU and BBSRC) examines behavioural and neural correlates of human language comprehension and production, looking at the neural basis of reading and visual word recognition using functional neuroimaging (fMRI), magnetoencephalography (MEG) and transcranial magnetic stimulation (TMS); **Taylor** and **Myachykov** explore embodied cognition and language and cognitive mechanisms of visually situated linguistic behaviour; (c) *Perception and action*: **Riby**, **Taylor** and **Mechsner** investigate behavioural, cognitive and neural correlates of perception and action. Broadly, the research focuses on the influence of perceptual events, e.g. music and animations, on cognitive processes such as creativity, memory and learning. The neural correlates of these events are measured using a variety of techniques including fMRI, EEG and tDCS.

Health in Action

This is a newly established research group (2011) with strong cross-disciplinary links with sport scientists; medics; health sociologists and other health researchers; and clinical psychologists. The research is funded by grants from NIHR; Chief Scientist Office (Scotland); ESRC; Autism Research UK; Diabetes UK; National Health and Medical Research Council Australia; National Institute of Health (USA); Action for ME and the ME Association. The group conducts research into: (a) *Individual differences* in the pathways that mediate between psychological factors (e.g. stress) and deleterious health outcomes (Wetherell (submitted to UoA 3); **Smith** (ECR)); (b) *The pathophysiology of acute and chronic sleep disorders* in adults and vulnerable populations (Northumbria Centre for Sleep Research) (**Ellis** (Professor); **Barclay** (ECR)); (c) *The relationship between glucose regulation and human performance* in healthy populations and people with Type II Diabetes (Wetherell, **Riby**, **Smith**); (d) The methodology, development and trialling of new *complex psychosocial interventions* in fear of falling, head and neck cancer and medically unexplained symptoms (**Deary**, funded by NIHR and CSO); (e) peer-to-peer healthcare, Internet health communities and models of trust online (**Sillence**, funded by ESRC, NIHR and the US Department of Agriculture - see impact case study); (f) The development of *innovative interventions* for alcohol abuse. **Heather** has developed pioneering research on interventions for alcohol use disorders which has had extensive, globally-reaching impacts, and continues to be involved in new research and the dissemination of implications for practice of existing research on screening and brief alcohol interventions (see impact case study).

Evolution, Perception and Behaviour

This group applies evolutionary theory to a diverse range of questions about human perception and behaviour, both within clinical settings and in the context of our daily lives. These include: (a) The biomechanical analysis of whole body and body part movement in relation to human mate choice and for identifying biomarkers which predict the onset of psychiatric disease (**Neave**); (b) Understanding what perceptual features drive judgements of human health and attractiveness (**Cornelissen**, **Honekopp**, **Neave**, **Saxton**); (c) The role of prenatal hormonal programming, indexed by 2D:4D ratios, in developmental stability and autism (Manning (Visiting Professor), **Honekopp**), and hormonal influence on behaviour in adults (**Burriss**); (d) Defining the nature and the role of distorted body image in eating disorders (**Cornelissen**, **Neave**); (e) Behaviour modification in healthcare settings (**Saxton**); (f) The social psychology of intergroup and in-group behaviour (**Shepherd**). Much of this research has relevance to governmental strategic priorities for health, e.g. **Cornelissen**'s work on eating disorders and childhood obesity (in collaboration with the Institute of Neuroscience and Institute of Health and Society, Newcastle University); **Saxton**'s collaboration with Scottish universities and healthcare providers to improve hand washing rates in hospitals; and **Honekopp**'s work on autism, physical fitness and aggression (in collaboration with the Universities of Cambridge, Groningen and Swansea). Significant achievements include

establishing the primacy of body mass index as a key feature driving the perception of human health and attractiveness, and demonstrating that overestimation of body size is not necessarily pathological in eating disordered patients.

Future Aims and Objectives

At the heart of our research strategy for sustaining and expanding the Unit research base is investment in, and development of, our people, estate, facilities and external engagement. Further investment will be made to attract, develop and retain talent. A cornerstone of the strategy will be the introduction of a default workload allocation of 40% of academic staff time dedicated for research. Within the department, we will increase grant submission rates to one submission per academic FTE per year, providing mentoring support for ECR staff making their first RCUK bids. We will grow our collaborative ventures, building upon our expertise and success in attracting industry and charity funding and large scale funding in RCUK priority areas (Digital Economy, Global Uncertainties, Influencing Behaviour and Informing Interventions). Here we have an advantage, in that our three translational centres for research have excellent track records in delivering research in direct response to the needs of industry (particularly big pharmaceutical, food and nutrition industries) and government (with very recent research and consultancy and research contracts in association with NHS, BIS, DSTL, GCHQ, US Department of Homeland Security, the Cabinet Office and the Government Office for Science). For example, our report on the ways in which successful health behaviour change interventions can be used to change cybersecurity behaviours was very well received by BIS and signposts new research opportunities. A strategic area for development is clinical health and behaviour change, where we have enjoyed some success in combining neurological and physiological assessment with work on successful health interventions. We have worked with colleagues in the adjoining Department of Sport, Exercise and Rehabilitation to develop a new clinical facility which opens up other research streams involving the assessment and treatment of patient groups. We will continue to place emphasis on interdisciplinary research, and will establish researcher training mechanisms that exploit existing contacts but promote good practice in interdisciplinary working.

Research Culture and Dissemination

Staff present their work at external international research conferences, with financial support provided from the Faculty. In recent years members of the department have been successful in attracting a number of national and international conferences to the University. For example, in 2013 the department hosted the Symposium on Usable Privacy and Security in collaboration with Carnegie Mellon University – held for the first time outside the USA. Decisions on significant consumables and capital budget necessary to support research activity are made at Faculty level. Resources are specifically targeted to areas of excellence where staff evidence a good track record of quality outputs; supporting external research bids; and areas of strategic growth. Psychology hosts a weekly research seminar series, run in cooperation with the Department of Psychology at Newcastle University, each year hosting between 12 and 15 guest speakers from the UK, Europe, USA and Canada. In addition, staff benefit from Visiting Professors affiliated with the department, including: Professor Celyne Bastien, Université Laval, Quebec; Dr. Sean Drummond, University of California, San Diego; Dr. Keith Wesnes, Bracket Global; Professor Andrew Scholey, Swinburne University, Melbourne; Dr. Ori Friedman, University of Waterloo, Ca; Dr. Tamsin German, UCSB; Professor Riccardo Russo, University of Essex. At University level, there is dedicated support for public engagement via a Public Engagement and Impact Manager and a training programme around impact and public engagement (see REF 3a). The University's online research repository, Northumbria Research Link, acts as a showcase for published research and includes over 10,000 research outputs, many of which are available as full text.

c. People, including:

i. Staffing strategy and staff development

Research leave and workload: During the REF period, 14 new members of academic staff were recruited and all have made important contributions to our strategic development of key research areas. New staff are allocated a reduced administrative load and teaching duties for their first year, and are required to present a research seminar within their first 12 months to enable them to showcase their research. The University has a research sabbatical leave scheme that is open to all

staff on a competitive basis; it provides dedicated research time (normally one semester every three years) to engage on a specific programme of research. In the REF period, on average two staff have had sabbaticals every year, resulting in significant benefits to the individuals involved. For example, **Defeyter** established important collaborative links with cognitive neuroscience at the University of Kansas during her 2012 sabbatical, while **Ellis'** sabbatical allowed him to collaborate with colleagues at Université Laval and the University of Montreal that resulted in a Canadian Institute of Health Research proposal.

Research Training: There is an extensive University Staff Development Programme that includes a PGCert in Higher Education Practice (for new academic staff including Early Career Researchers (ECRs)) that incorporates a core module on research, as well as opportunities to attend workshops on funding sources, research ethics and other research-focused activities. In addition, staff must complete a PGR Supervisor Accreditation Programme, co-ordinated by the University's Graduate School. Since 2008 the University has developed and implemented an action plan in line with the Vitae Concordat to Support the Career Development of Researchers. The University was awarded the *European Commission HR Excellence in Research Award* in 2013. There is a support scheme for new academic staff that includes a year-long *Researcher Development Programme* with workshops mapped to *Vitae's Researcher Development Framework* and training and support particularly targeted towards ECRs, including a University-wide *ECR Forum*, designed to allow ECRs to form links, discuss research challenges and opportunities and share experiences. Seven ECRs are included in this submission, all recruited during the REF period.

Research Mentoring: Research infrastructure is provided by a range of working groups that monitor and support research and innovation activity. These include: the Grant Management Working Group, responsible for monitoring external bidding activity and providing reviewing and mentoring support to applications and individuals as appropriate; the Innovation Working Group, responsible for monitoring and development of innovation activity with a particular focus on developing and maintaining strong links between research and industrial partners. As well as providing ongoing operational support, these working groups organise a range of workshops and seminars to support staff in attaining external research funding. In addition, experienced staff offer peer support (via a Peer Review College) to colleagues with grant applications and the preparation of journal articles on an informal, but supportive basis.

All staff complete Personal Research and Innovation Plans (PRIPs) annually, in which they document their research activity over the preceding 12 months and articulate their plans for the following year. PRIPs are reviewed by the Head of Department and research leads, and are used to mentor staff on research activity, as well as in decision-making for allocation of internal research funds and workloads.

Equality and diversity: The University is committed to promoting and supporting equality of opportunity and diversity within Research and this is reflected in several initiatives. For example, research staff are included within the Equal Pay Audit and work-life balance opportunities are available and promoted. All staff are required to attend Equality and Diversity training as part of core training requirements, with appropriate training also required for those taking part in selection panels and carrying out appraisals, and for staff with a line management role.

ii. Research students

The University continues to invest in doctoral training and provides a variety of studentship and fee scholarship schemes, including those funded in collaboration with external organisations that attract both full- and part-time home and international students. Since 2008, Psychology has received 24 full- and part-time studentships for doctoral students. All PGR students have a Principal Supervisor and at least one other academic supervisor who meet regularly with their students (monthly documented meetings at the very least, as well as more frequent informal meetings) to provide research direction, support and guidance. All students complete an initial project approval template together with a PGR Development Portfolio (Vitae) template within three months of registering. Subsequent annual reviews allow for PGR progress and training needs to be formally reviewed. Two Faculty PGR Directors are responsible for monitoring PGR admissions and

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progression; providing support for both research students and supervisory teams; and reporting to the Faculty Research and Innovation Committee, which also has two PGR representatives. As a consequence of a strong and supportive framework for PGR supervision and training, Northumbria performs well in the Postgraduate Research Experience Survey (95% satisfaction in Question 17a) with a consistent upward trend, even in areas that were already high scoring, such as supervision and skills development. The majority of completed PGRs have secured lectureships here or elsewhere in Higher Education; others have taken post-doctoral positions.

The Graduate School ensures adherence to the PGR Code of Practice, which is reviewed and updated annually in line with University Academic and Student regulations. The Graduate School also provides a structured training programme with sessions on statistical analysis, bibliographic software, academic writing skills and ethics in research. Recent themed workshops have been offered on 'doctorate essentials', 'managing your research degree', 'giving your research impact', and 'life after your doctorate'. The Unit's PhD students are required to attend departmental research seminars and give presentations within their particular research groups. They are funded to attend national and international conferences and encouraged also to present at the annual Northumbria Research Conference. The department has attracted a number of international conferences to Northumbria in recent years, where PGR students are encouraged to act as volunteers, thereby gaining free access to the presentations. In July 2012 PGR students themselves organised and hosted the annual PsyPAG conference.

d. Income, infrastructure and facilities

Facilities: The department is very well equipped for research, with a range of facilities including:

- A two-bedroom apartment-style sleep laboratory for 24 hour continuous assessment, built for the Health in Action group in 2011 to take forward sleep research at Northumbria;
- A multi-disciplinary clinical testing facility;
- A wet-lab for biological assay (e.g. endocrine, cardiovascular, immune) and other sample preparations;
- Computer enabled and networked cognitive testing laboratories that encompass: 128 channel Biosemi EEG /ERP facilities (with portable facility essential for clinical work); Near Infrared Spectroscopy; Indirect calorimetry; and Transcranial Doppler;
- Physical performance laboratories;
- Nutrition kitchen;
- A fully immersive large-space virtual reality facility;
- Child development laboratory;
- A state-of-the-art stress laboratory equipped to administer a range of laboratory stressors and measure neuroendocrine and well as cardiovascular and other physiological responses using Portapres and Powerlab units;
- A range of state of the art eye-trackers;
- Vision and action laboratory with tracking sensors, shutter glasses and eye tracking.

Income: Psychology is well supported via University PGR studentships (24 since 2008), laboratory equipment and running costs, as well as international travel (£295,000). Two major infrastructure investments during the REF period were the new Northumbria Centre for Sleep Research and the clinical testing facility. These facilities have been a crucial part of the success of the new Health in Action group. In the REF period Psychology at Northumbria has been awarded a total of £3.4 million in external research grants and contracts, details given below. As a consequence of the interdisciplinary nature of some of the work, and thus a number of staff being submitted to alternative units of assessment, £524,000 of Psychology income is associated with UoA 34 and £1.28 million with UoA 3 and therefore is not shown on this Unit's REF 4.

Cognition and Communication research is funded by major research grants from UK research councils and government bodies (e.g. ESRC, EPSRC, BBSRC, AHRC, NIHR); awards from industry (e.g. Kellogg's, NCR); and from charitable sources (e.g. Leverhulme Trust). Examples of recently funded projects include: a grant of £2 million from the National Institute of Health Research awarded (**Sillence**, Briggs) to examine Patient Online Experience in collaboration with

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Oxford University; a recently awarded EPSRC grant (Little) to investigate teenagers' attitudes towards energy saving (£1.5 million; £223,000 to Northumbria); a 2013 EPSRC award of £1.2 million to Briggs (P.I.) in Digital Personhood; a BBSRC grant to **Cornelissen** (£400,000) to investigate semantic cognition, in collaboration with Beth Jefferies (York).

Health in Action: The group is developing an excellent track-record of attracting funding from research councils and charitable organisations (e.g. ESRC, NIHR, MRC, Wellcome Trust, Diabetes UK, British Academy, National Science Council of Taiwan, Neuroendocrine Charitable Trust; CSO; Autism Research UK; Gateshead PCT; National Institutes of Health (USA), ME Association, Action for ME) as well as from industrial sponsors (e.g. Transport for London, UCB Pharma, Mammouth Sport, GlaxoSmithKline).

Evolution, Perception and Behaviour: This group has received funding from: the Royal Society to investigate the role of the ovulatory cycle in human relationships; the Scottish Crucible to investigate evolutionary psychology applications to healthcare, and online human trafficking; the Royal Society of Edinburgh to attend a series of collaborative workshops; Northumbria University (capital funding) to support specialist computing facilities for 3D CGI modelling; and the ESRC to fund a Postdoctoral Fellowship (£61,000) to investigate individual differences in human partnership preference.

Infrastructure and Governance: Centralised research support is provided by the University Research and Business Services Department, which assists with external bidding activity, stakeholder engagement and with the commercialisation of research. The University places considerable emphasis on the need to maintain high standards in research governance. The University's Research Ethics Committee (reporting to the University's Research and Innovation Committee) is responsible for overseeing research governance across the institution and developing cross-University policy. This committee instituted the Online Research Ethics Approval System which was launched in 2011-12 to improve the coherence of the approvals processes. It is responsible for resources such as the Research Ethics and Governance Handbook and the periodic Research Ethics Audit carried out in all Faculties. There is a reporting relationship to the Faculty Research Ethics Committees and the Tissue Bank Governing Board. All research projects of staff/PGRs and taught students are assessed by subsections of the Faculty Research Ethics Committee.

e. Collaboration and contribution to the discipline or research base

We have an ambition to foster collaborative and interdisciplinary research that plays well to national and international priorities. Those members of the department that are active on committees and working parties discuss priorities and research horizons at regular research group meetings and promote opportunities for others. ECR, contract research staff and PGR students are encouraged to get involved in peer review early in their career and are then supported in conference programme and professional body committee work.

Collaborations with researchers outside the submitted unit:

Interdisciplinary research: **Sillence** conducts work in e-health with a team of medical sociologists and primary care physicians at Oxford University; **Riby, Smith** and **Neave** collaborate with sport scientists investigating diabetes, diet and exercise. **Deary** works with food scientists (Northumbria University) and researchers from Durham University, cancer physicians and speech and language therapists from Newcastle and Sunderland Hospitals in his work on throat cancer survivors. **Ellis** and **Barclay** work with engineers investigating novel ways to measure sleepiness in the context of driving. In addition, psychologists in the PaCTLab (Briggs, Little and Coventry - submitted to UoA 34) have very strong collaborations with designers, computer scientists, medical sociologists and political theorists (working on five large-scale RCUK/EU projects addressing ageing, e-health and cybersecurity) and psychologists in BPN (Kennedy, Haskell – submitted to UoA 3) have excellent collaborators in pharmacology and sport and exercise science.

National and international collaborations: international collaborations include: Universities of Washington, Pittsburgh and Pennsylvania (**Ellis, Barclay**); University of New Mexico (**Heather**);

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Bremen/Delmenhorst, Germany, MPI, Munich (**Meschner, Myachykov**); University of Western Australia, Perth (**Riby, Smith**); Auckland, NZ (Haskell, Kennedy); University of Padova, Italy (**Hamilton**); Cherkassy National University (**Myachykov**). Göttingen, Groningen, the Polish Academy of Sciences (**Cornelissen, Saxton, Honekopp, Neave**); University of Marseilles, Kuopio and Helsinki Universities in Finland; University of Maastricht, Universities of New Haven and Maryland in the US (**Cornelissen**); University of Prague (**Saxton**); Pennsylvania State University, Carnegie Mellon University, and Oakland University (**Burriss**); University of Sydney (**James, Ellis**); University of Waterloo, CA, UCSB (**Defeyter**); Ohio State University, US; Jyväskylä, Finland; The Chinese University of Hong Kong, (**Sillence**); University of Freiburg (**Ellis**). National collaborations include: Newcastle University (**Deary, Doherty-Sneddon, Riby, Heather, Ellis, Cornelissen**); King's College London (**Heather, Barclay**); London School of Hygiene and Tropical Medicine (**Heather**); York, Birmingham (**Cornelissen**); Stirling (**Doherty-Sneddon, Shepherd, Cornelissen**); St Andrews, Glasgow, Abertay Dundee, Swansea, Durham, Aberdeen (**Deary, Doherty-Sneddon**); UCL, the University of West of Scotland (**Cornelissen**); University of Essex (**Defeyter**); University of Surrey, University of London (**Ellis, Barclay**); University of Sussex (**Sillence**); Universities of Cambridge, St Andrews, Dundee, Stirling, Abertay Dundee, Durham, Brunel (**Saxton**); University of Glasgow (**Saxton, Ellis, Sillence**) and University of Oxford (**Saxton, Ellis, Barclay, Sillence**).

Non-academic collaborations: We emphasise research collaboration with industrial (**Defeyter, Kennedy, Haskell**), charity (**Riby, Wetherell, Defeyter, Deary, Ellis**) and NHS collaborators and funders (**Deary, Ellis, Briggs, Barclay, Defeyter, James, Saxton**). **Ellis** is also an expert advisor panel member for UCB Pharma (on understanding restless legs syndrome). **Heather** has developed pioneering research on interventions for alcohol use disorders which has had extensive, globally-reaching impacts. He has worked with the Department of Health, NHS (England and Scotland) nationally, as well as International network organisations (e.g. INEBRIA) and governments (including USA and Sweden) in translating this work into global changes in alcohol interventions. **Deary** works with cancer physicians, chefs, speech and language therapists from Newcastle and Sunderland Hospitals, physiotherapists, physicians and health economists in his intervention development work on throat cancer survivors. **Defeyter** is a member of the Breakfast Club Plus Trust; the British Food and Drinking Group; and has been a panel discussant for the Parliamentary Food and Health Forum (25/09/2008). The research findings have been presented in the Westminster Parliamentary Newsletter (17/07/08), at the Parliamentary Food and Health Forum (23/03/2010) and the House of Lords (September 2008; February 2009). **James** works with speech and language therapists in her work on interventions for hearing impairment, and as a lead scientist at the NIHR Biomedical Research Unit. She brings experience in psychosocial interventions to the research group, changing clinical practice with the design of a 'red flag' system for early identification of at risk children. The research activity was noted by the Chief Medical Officer, Dame Sally Davis, as excellence in practice. The intervention is now on NICE guidance for vulnerable families. **Saxton** is working on a collaborative project using applied evolutionary psychology to improve hand washing compliance in NHS and other settings.

Contribution to Discipline

Conference and committee organisation: Psychology has hosted significant national and international conferences during the REF period including the BPS Developmental Section Conference (2011) (**Defeyter, Doherty-Sneddon, Hamilton, Smith**), and the prestigious HCI 2011 and SOUPS (2013) (**Sillence**). **Ellis** is Chair of BPS Health Psychology Practitioners sub-committee and member of the Mental Capacity Act Working Group. Moss, although not submitted in this Unit, was one of 11 Heads of Psychology who contributed to the 2010 International Benchmarking Review of UK Psychology by ESRC, BPS, EPS and AHPD. **Smith** is a committee member for the BPS Psychobiology section. **Deary** is the BPS Division of Health Psychology representative to the Workforce Planning Committee and founder of the Northern Association for Persistent Physical Symptoms (NAPPS), a clinical network whose launch event in October 2013 and ongoing support is funded by Skills For Health. **Taylor** was co-organiser for the Embodied and Situated Language Processing (ESLP) Conference in 2012, which hosted 70 international researchers including keynote speakers from Harvard, Leiden and York. **Myachykov** has been acting as a member of programme and organising committees for the Biennial International

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Conference on Cognitive Science in Kaliningrad, Moscow. He has also organised workshops in Saint Petersburg and Tomsk (Russia) in collaboration with Y. Shtyrov (Cambridge) and C. Scheepers (Glasgow). **Saxton** is on the Steering Committee of the European Human Behaviour and Evolution Association and was one of the organisers of that society's annual conference (St Andrews University, 2009). **Doherty-Sneddon** is a board member of Mental Health North East. Members of staff are regularly invited to deliver key-note talks and give external seminar presentations at prestigious conferences and universities world-wide, e.g. **Myachykov** has given invited talks in Germany (Universities of Potsdam and Bielefeld), U.S.A. (University of Oregon), India ("Language-Cognition Interface: State of the Art" conference) and Russia (Moscow Cognitive Society, MSU); and **Ellis** similarly at Harvard Medical School, University of Laval, University of Pittsburgh, UCL, University of California San Diego, Lu Tung Hospital in Taiwan, MDIS (Singapore), Nijmeegs Kenniscentrum Chronische Vermoeidheid Lelystad (Netherlands).

Peer Review Process: **Myachykov** is an Associate Editor of Frontiers in Cognition. **Defeyter** is Associate Editor of the British Journal of Psychology. **Smith** is Associate Editor of Frontiers in Human Neuroscience. **Riby** is on the Editorial Board of Journal of Health Ageing and Nutrition. **Ellis** is on Editorial Board of Behavioural Sleep Medicine. **James** is on the Editorial Boards of Child Language, Teaching and Therapy and the American Journal of Applied Psychology. Members of Psychology regularly review for international grant agencies including: ConMW-Netherlands (**Doherty-Sneddon**); SSRHC Canada (**Doherty-Sneddon, Defeyter**); Riksbankens Jubileumsfond (Sweden) (**Barclay**); Canadian Institute for Mental Health (**Ellis, Smith**); Italian Ministry for Education, University and Research (**Hamilton**); Swiss National Science Foundation; NHMRC; Australian Research Council (**Smith**); STW-Phillips (Netherlands), NIH (USA), National Research Foundation (South Africa) (**Ellis**); NW (Netherlands) (**Myachykov**); Estonian Science Foundation (**Saxton**). Additionally, several staff are members of national peer review colleges ESRC (**Doherty-Sneddon, Ellis, Briggs, McInnes, Saxton**) and review for national grant agencies; NIHR (**Deary, Ellis, James, Sillence**); EPSRC (Briggs); BUPA (**Ellis**); MRC (**Doherty-Sneddon, Defeyter**); BBSRC (**Doherty-Sneddon**); Nuffield (**James**). In addition, all members of staff regularly review for prestigious international journals (more than 125 titles) including Psychological Medicine, Journal of Experimental Psychology, BMJ and Cortex.

National/International priorities

Defeyter is an invited committee member of the All Parliamentary Group on School Food and the Parliamentary Expert Committee (across the Departments of Health and Education) for School Food. These two committees feed directly into the school food plan/policy/provision across Scotland, England and Northern Ireland. In addition, she is the academic lead on the Pan-European Breakfast Club Committee (funded by Kellogg's and other businesses from across Europe). In 2011, **Heather** gave evidence to the Science and Technology Select Committee on drinking guidelines and in 2012 was invited to take part in an informal seminar of the Health Select Committee to prepare for the Government's forthcoming national alcohol strategy. **Heather** was a member of a Programme Development Group at the National Institute for Health and Clinical Excellence (NICE) that developed guidance on 'Alcohol use disorders: preventing harmful drinking in adults and young people' (2010) and has been invited to join a NICE Evidence Update and Advisory Group that will produce an update on the relevant evidence base in 2014. **Ellis** provided the guidelines on stepped care for delivering evidence-based psychological therapies in Scotland 'The Matrix: Subsection: Insomnia' (National Education for Scotland: 2012). Briggs is a member of three RCUK networks of excellence (Cybercrime, Identity Management and Digital Personhood).

Fellowship/awards/visiting title positions

Smith holds an honorary position at the University of Western Australia. **Riby** is Visiting Fellow at Telethon Institute for Child Research, University of Western Australia. **Riby, Ellis** and **Deary** hold honorary contracts with Newcastle upon Tyne Hospitals NHS Foundation Trust. The International Network on Brief Interventions for Alcohol and Other Drugs has created an annual Nick Heather Lecture in recognition of Heather's contribution to the network and to research in this area.