

<p>Institution: University of East London</p> <hr/> <p>Unit of Assessment: 4</p> <hr/> <p>a. Overview</p> <p>The School of Psychology at UEL has a large and thriving cohort of research-active staff. High quality and well-cited outputs from 18 of these staff are submitted, increasing the FTE submitted from 10.2fte in 2008 to 14.6fte in 2014. Enacting the key objectives of the <i>UEL Research Strategy</i> we have invested significantly in our laboratory and library facilities (£1.6m & £14.7m), and fully re-invest RAE2008 QR income in permanent postdoc positions, seminars, conference attendance, sabbaticals, lab visits, public engagement, equipment and RA support. We have invested in high-quality new staff: recruited from HEIs including the Institute of Psychiatry, University College London and Max Planck Institutes; attracted by our reputation, our new facilities and our supportive environment, and tasked with building our income streams. The School of Psychology is structured around three subject areas spanning the full psychology discipline. The majority of UOA4 submitted staff come from our Psychological Sciences and Professional Practice subject areas, with work, often in collaboration, focussed within three strong research groups: the Institute for Research in Child Development (IRCD); the Cognition and Neuroscience research group (CAN); and the Drugs and Addictive Behaviours research group (DAB)</p> <hr/> <p>b. Research strategy</p> <p>Since 2008 we have pursued the following stated aims, to:</p> <ul style="list-style-type: none"> (i) build on our international strengths in cognitive, developmental and health psychology (ii) further increase the world-standing of our research and the quality and reach of our outputs (iii) strengthen & develop interdisciplinary collaborations and engagement with stakeholders (iv) develop our early career staff (v) develop our dedicated laboratory spaces. <p>(i) We have strong and active groupings in cognitive, developmental and health psychology in CAN, IRCD, and DAB, with our academics continuing to make significant theoretical, empirical and methodological innovations. We have also recruited new academic staff and postdocs who have shared research interests and strengthen our groups. New staff in IRCD are, Berg (Birmingham), Birtles (UCL); Scheider (Max Planck, Leipzig), Tomalski (Birkbeck), & Scior (UCL); in CAN, Fu (IOP), Jonas (St Andrews), Rivolta (Max Planck, Frankfurt), Spiller (UEL PhD) & Zimmerman (Birkbeck); and staff in DAB and new health & forensic areas are, Eiroa-Orosa (Barcelona), Frumkin (Inst of Education), Hefferon (Strathclyde), Patel (UCL) & Terlecki (Louisiana State).</p> <p>The Institute for Research in Child Development has particular expertise in developmental, social & cognitive neuroscience, and developmental difficulties. Staff submitted in this area are: Berg, Birtles, Edmonds, Kushnerenko, Moore, Scior & Tomalski. A key strategy of the cluster has been to link with emerging public-health agendas around infants at risk, early intervention and the impact of low social-economic status (SES). The IRCD are linked with the UEL theme of <i>Children, Education & Lifelong learning</i>. The Director is Moore who has world-first outputs (with Turner, DAB), reporting results from the US-NIH funded (\$2.88m), longitudinal DAISY study (collaboration with Singer, CWRU, Parrott, Swansea), which examined the impact of pre-natal exposure to MDMA on infant outcomes (see REF3b). Kushnerenko, using our EEG facilities, continues to explore the early neural signatures of audio-visual speech integration (AVSI) in typical and atypical infant development, with colleagues from Finland. Moore, Kushnerenko, Tomalski & Birtles, have developed new procedures for infant screening and intervention that link EEG and eye-tracking (ET), and take ET paradigms out of the laboratory and into children's centres in deprived communities. This longitudinal work, funded by the Nuffield foundation (in collaboration with Johnson and Karmiloff-Smith, Birkbeck), links with the BASIS network (See section e). Kushnerenko, Moore & Tomalski have demonstrated that neural and attentional responses during AVSI are potential markers of early language difficulties, and the submission includes world-first evidence of income-related effects on frontal gamma activity in early infancy. Birtles joined IRCD from UCL, bringing further expertise in infant visual and motor development, and continuing collaborations with Atkinson and Braddick (UCL, Oxford). Edmonds is both part of IRCD, and leader of the newly formed Health Promotion & Behaviour research group (see future strategy). Her outputs include work (in collaboration with Isaacs, Institute of Child Health) on outcomes of pre-term infants; and on the effects of nutrition and hydration on performance in adults and</p>
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children. The group has been joined recently by **Scior** who, with **Berg**, links with IRCD specialisms in social and clinical issues around developmental and intellectual difficulties and autism. The group also includes Lam, exploring the Olympic effect; George who has been developing (with **Moore**) ACORNS, a notation system for atypical development and Pawson working on child and adolescent mental health with a range of public and third sector bodies. **Moore** has been PI on two Nuffield Foundation grants (166k & £25k; TALBY and iSTARs projects); and partner in large interdisciplinary studies e.g. Olympics Regeneration In East London (NiHR £1.8m), and the Well London Trial (Wellcome Trust £6704k & £168k) (See section d).

The **Cognition and Neuroscience research group** has expertise in neuroscience, visual cognition, including face and object processing, decision making, and memory. Staff submitted are: **Fu, Jansari, Jonas, Rivolta, Spiller & Thoma**. The recent appointments of **Fu, Rivolta &** postdoc Zimmerman combine with the work of **Jansari, Thoma** and Stone to strengthen our neuropsychological expertise in face processing (prosopagnosia, super recognisers), emotion perception, and in the application of neuropsychology in clinical areas. **Fu's** highly cited work employs face processing paradigms to assess how different treatments affect brain activity in individuals suffering from depression, including CBT and antidepressant medications. Clinical applications are also central to **Jansari's** work employing virtual reality technology for assessing executive difficulties in individuals with brain damage (JEF/JEF-C). The appointments of **Spiller** and **Jonas** strengthen expertise in synaesthesia; **Spiller & Jansari** hosted the 2011 UK Synaesthesia Association conference; and **Jonas and Spiller** recently won a BPS seminar competition grant for a series of seminars on *Individual differences in multisensory processing*. In this period **Thoma, Vitkovitch & Stone** have also developed a range of applied work and interdisciplinary outputs (REF3a). **Thoma** has continued high-level work on object recognition while also exploring corporate decision-making. Vitkovitch, who leads the group, has continued her work on picture naming and is now exploring educational and clinical implications of this work. Stone continues work on face processing and also on perceptions of facial disfigurement.

The **Drugs and Addictive Behaviours research group (DAB)** has grown out of a long UEL tradition of work on the neuropsychological effects of recreational drugs (see REF3b). Staff with outputs submitted from DAB are: **Dawkins, Roberts, & Soar**, who work closely with Turner; and newly appointed **Eiroa-Orosa** and Terlecki. This group is led by **Dawkins**, who in this REF period has conducted and published one of the first systematic research studies into electronic cigarettes, which has led to partnerships with, and funding from, electronic cigarette companies, (see REF3b) **Dawkins, Turner and Soar** research the psychological and cognitive effects of a range of legal and illegal psychoactive substances, including nicotine, cocaine, cannabis and caffeine. Turner and **Soar** with Parrot (Swansea) have also continued their longstanding work on the cognitive and psychological effects of MDMA in adults and now with **Moore** in infants (see REF3b). With **Roberts**, the group have recently broadened their scope to include non-drug addictions, and pathways out of addictive behaviours, including evaluating drug and addiction-related interventions and services. Her work with prison populations also links with patterns of maladaptive and addictive behaviours. Recent appointment **Eiroa-Orosa** is working on treatment of methadone and heroin users and is involved in large scale RCTs in Europe. Recently appointed Terlecki's work focuses on brief interventions for alcohol reduction, with previous funding from the *US NIH*.

(ii) We have supported and actively encouraged the development of active international collaborations by staff at all levels of experience (see section e) and taken a strategic approach to dissemination via quality papers. The 14.6 FTE staff submitted have over 200 output contributions, attracting 1850+ citations (Scopus). In RAE2008, 18 outputs were in journals with an impact factor >3; in this submission 40 outputs have IF>3 with an overall mean IF of 3.8. The outputs submitted have attracted well over 1000+ citations (Scopus), with pre-2012 outputs averaging over 20 citations each. These are published in journals that are either a) leading cognitive and neuropsychology journals, including *Cognition, JEP, QJEP, Neuropsychologia, Developmental Science*; b) prominent bio-science journals, including *PNAS; Proc Royal Soc B; Current Biology; Cortex; Psychopharmacology*; or c) influential psychiatric, medical and health journals e.g. *Biological Psychiatry; Psychological Medicine, Addiction; Appetite; & Pediatrics*. We are responsive to open access using QR funds for publications in *BMC Neuroscience, Frontiers in Psychology, and PLOS One* etc.; and disseminating pre-prints via the UEL open access repository (ROAR).

(iii) The development of sustainable links, and new areas of work, with external non-academic collaborators and stakeholders is a core unit activity (see impact template). A major focus has

Environment template (REF5)

been the development of interdisciplinary health work across the University (see section e).

(iv) School and University research strategy has focused on the facilitation of research across the career span, with a particular focus on supporting ECRs (see section c).

(v) In this period we have invested £1.6m in our School estate, and significantly redesigned and refurbished our research labs, office and social space, creating and equipping an extensive suite of cognitive, neuro-developmental and health laboratories, and PGR student facilities (see section d).

Future strategic aims. In line with the *UEL Research Strategy* our aims to 2019 will be to:

- (i) further develop partnerships with leading laboratories and build on our areas of strength.
- (ii) develop new strong research clusters
- (iii) develop further the impact and dissemination of our work
- (iv) further develop interdisciplinary collaborations, and links with stakeholders.
- (v) actively synthesize our practitioner and academic expertise and maximise research opportunities for PGR students
- (vi) further develop the skills of our early and mid-career (and practice-led) staff to increase success rates for external grant writing

(i) Much of the quality work undertaken by the unit is with partner research labs and international networks (see section e). We continue to develop these high quality links and actively encourage staff to develop new networks. Recent appointment, **Rivolta**, for example, has been given sabbatical release to continue his work with the Max Planck Institute of Brain Research, Frankfurt.

(ii) We have recently formed a new **Health Promotion and Behaviour research group (HPB)** to be led by **Edmonds**, who is developing work on health behaviour in children and adults. This group will broaden further our health-related and clinically relevant work. **Eiroa-Orosa**, who has joined our world-leading positive psychology team, linking with Hefferon and Terlecki, will develop new approaches to health and rehabilitation. Recent appointment T **Patel** will develop her work on trauma and treatment-resistant depression. McDermott, with a sabbatical in 2014, will develop work on health behaviour change. Frumkin joins **Roberts** in developing new forensic research.

(iii) All groups are actively involved in dissemination, public engagement, science-fair and media activities, and this is a strength of our group activity. The school has an active communications team, headed by **Edmonds**, and we have used QR funds to employ an impact research coordinator (now lecturer, Schneider). We will be further developing our activities in this area including our public engagement, blogging, social media, and online activities (see REF3a).

(iv) We have a rich tradition of professional doctoral training and practice-based research, and the School is well networked and influential in policy and professional practice in educational and clinical psychology, in the UK and internationally (see REF3a). Our Dean (Prof Mark Davies) is Chair of the Association of Heads of Psychology Departments and we intend to be at the forefront of the implementation of recommendations of the 2011 ESRC/BPS *International Benchmarking Review of UK Psychology*. We have funded staff to focus on more applied work (**Thoma**, Stone, Vitkovitch). We have also identified, in our recent UEL health commission, opportunities in the mental-health commissioning landscape to link practice and research, working with local councils, commissioning groups, the third sector, and technology providers (see section e).

(v) We aim to more actively link our large practitioner and academic expertise across our three subject areas, and will develop shared delivery of advanced research methods training. We have recently recruited active clinical researchers (e.g. **Fu**, **Patel**, **Scior**, **Eiroa-Orosa**) to work at the interface of clinical and intervention approaches, and bridge to expertise in CAN, IRCD and HAB. We will be at the forefront of national priorities in mental health, drugs and addiction, developmental cognitive neuroscience and psychological intervention. We will also be broadening the topics of our professional doctorates to include non-clinical researchers on supervisory teams.

(vi) We have given extensive support, using QR funds, for priming grants, conference support and sabbaticals (see section c). This has increased our output quantity and quality and bidding activity, but we have had relatively low levels of grant award success (see section d). Our new staff (from IoP, UCL, Max Planck IBR), attracted to our high quality work, our excellent practitioner and applied networks, our large PGR community (see REF4), and our new lab space, have been recruited to help us build collaborations and networks with partner laboratories with complementary facilities, and increase substantive grant capture. We have also appointed externals with grant experience to mentor mid-career staff so they can match the high-quality of outputs with income.

c. People

i. Staffing strategy and staff development

Strategic appointments: We have retained all but two of the staff submitted in RAE2008: one retiring (Clifford) and one moving to QMUL then IOP (Rahman). As posts have become free we have appointed new academic staff with complimentary areas of expertise. In addition we have appointed postdocs to support groups. It is our policy that all new appointments have: an existing record, or significant promise, of quality outputs and income generation; clear links with existing School strengths; skills to utilise our lab facilities; and strong academic networks. Minimum for ECR/PostDoc is PhD with a strong record of outputs, good networks and clear potential.

Research leadership and management: Since 2008 four School professors have retired (Rose, Dancey, Clifford, & Bayne) and one deceased (Rapley). In 2010 we appointed a new Dean (Prof Davies) and we have ensured a smooth succession of leadership. Recently recruited Prof **Fu** strengthens research leadership, and will be working with **Moore** to develop our grant income streams and mentor staff. Since 2008 **Jansari** has been promoted to Reader, with additional Readership promotions for staff in other UoAs (Patel, UO22; Harper, UOA23).

The School research management team (RMT) meets monthly and is chaired by the Dean, with Cahill, **Dawkins**, **Fu**, McDermott and **Moore**. RMT oversees strategy, and allocates funds to support labs and staff. RMT works in coordination with the School management team (SMT), which meets fortnightly and includes the Dean and **Moore** (as RMT rep), together with Subject Area Heads. Research is a fixed agenda item, and issues are discussed to ensure workload can be flexibly managed, and that resources are made available to meet strategic needs. RMT allocates a QR re-investment budget averaging £189k a year to support: conference attendance, research meetings, maintain labs, purchase new equipment, and provide seed-corn funding to employ RAs for pilot projects. **Dawkins** chairs the School Research and Knowledge Exchange committee where Group leaders meet twice a semester to discuss School research issues. **Dawkins** is also representative on the University Research Committee chaired by the Deputy Vice Chancellor.

Staff development across the career: Staff members have annual reviews to plan research strategy, and access further development, through the *UEL Researcher Development Programme*, which offers a suite of skills development workshops and online resources designed to meet the needs of research-active staff and postgraduate research students. The programme is part of the research development framework designed by *Vitae* to meet *UK Concordats* for researcher development and integrity. All new ECRs are allocated a mentor, and are fully integrated into a research group, and resourced to develop their external research networks (through equipment, seed-corn funds, conference funds or meeting costs). **Edmonds** and **Dawkins**, who were submitted in 2008 as ECRs, are now established leaders of research groups; both having received centrally funded UEL promising researcher funds. Between 2008 and 2011, £159k was awarded from University central funds in start-up and promising-researcher monies: £50K to Stone; £65K to **Edmonds**; £14K to Hefferon; £15K to **Kushnerenko**; & £15K to **Spiller** and 'Startup' grant to **Roberts**. Many staff members have also been awarded sabbaticals through the university scheme to develop core and applied work: **Thoma**, **Edmonds**, Lam, **Jansari**, **Dawkins**, Vitkovitch & McDermott. We are committed to supporting flexible working and are supportive of *Athena Swan* initiatives. The development of researchers' careers at all stages of the career cycle is recognized and promoted within School and University. We are committed to equality & diversity and flexible working practices. Many members of staff submitted here have had periods of parental leave and we actively manage this process to facilitate return to work.

Supporting full-time research staff. Full-time researchers are valued by the School and University as an essential part of our organisation's human resources. Note that we have submitted the work of a number of our research fellows (**Jonas**, **Birtles**, **Kushnerenko** & **Tomalski**) all of whom have led on independent streams of work in collaboration with academic staff. **Kushnerenko**, **Tomalski** and **Birtles** work with **Moore** in IRCD and **Jonas** & new appointment Zimmerman work with **Spillar**, **Rivolata** and **Jansari**. RF Potton has worked across a number of groups to develop new projects and has contributed to 20 outputs (across UOAs), working with 14 members of staff. We have been proactive in developing the careers of our researchers with Potton, **Birtles** and **Kushnerenko** all on permanent contracts. We support the progression of research staff and many of our RAs and interns have contributed to co-authored papers (e.g. see submissions of **Moore**, **Kushnerenko** & **Tomalski**), with many interns and RAs and RFs going on to PGR training, further research posts or full-time academic appointments. (e.g. Goodwin, NPEU, Oxford; Tomalski, Lectureship Univ of Warsaw; Ballieux, Lectureship, Westminster; Ribeiro, RA Birkbeck; Crombi & Tharmaratnam, RAs Queen Mary, London;

Environment template (REF5)

Axelsson, PhD, then RF Surrey and Sidney; Braddick, RA Barcelona; Sully, DClin Institute of Psychiatry, London; and Gamage, Peradeniya University, Sri Lanka. During 2008-2013 IRCD has employed 4 Research Fellows (Goodwin, **Kushnerenko, Tomalski & Birtles**), 7 RAs (Ballieux; Frostick; Axelsson; Tharmaratnam, Sully, Ribiero, Crombie), and ran a competitive undergraduate student intern scheme and have hosted a number of visiting researchers (e.g. from Russia, Japan, Netherlands, US). **CAN** has worked with Potton and had 4 other post-doctoral researchers (Rigato, **Jonas**, Williams & Zimmerman), and 6 RAs (Bogaardt, White, Chapman, Jahme, **Jonas** pre PhD, & Mueller), 3 visiting overseas interns (D'Hooge, University of Ghent; Dillman, University of Mannheim; Wanke, University of Wurzburg); seven successive EUSA interns, from Boston University (Williams, Brophy, Marks, D'Angelo & Qi), Fresno University (Lambert) and Wake Forest University (Wyatt) and mentored four internal UEL student interns (Brace, Faulkner, Akaluka & Boyce). **DAB** have worked with Potton and have employed 3 RAs (Booth, Timmins & Opaluwa), and 3 research interns (Farrell, Hasna; Schlosz).

Integration of clinical and non-clinical staff: Members of the School's NHS-funded clinical psychology doctoral team are active interdisciplinary researchers, for example N Patel and Davidson (see UoA22 Social Policy) and Harper (UoA20 in Sociology). We are actively developing new strategies for further integrating practitioner work with that of non-clinical staff (see section b). The recent appointments of **Fu** (Consultant Psychiatrist), **Scior** (Academic Clinical Director), **T Patel** and **Eiroa-Orosa** is part of our strategy to bridge between research and clinical strengths.

Future staffing policy: In the next period we will be looking to expand even further the number of staff consistently achieving world-leading and high-international level work. This has been the focus recently in making new appointments, but we wish also to continue to develop our existing staff. The university recognises the need to fully support all research active staff and to re-engage those who have taken career breaks or have had significant teaching or management responsibilities. A key part of the *University research Strategy* is to target both ECR and mid-career staff, invest further in our research capacity, and develop grant-writing skills.

(ii) Research students

Our post-graduate research students (PGRs) are a valued and significant part of the School's research environment. We have significant cohorts of PhD students and professional doctorates in Clinical Psychology, Occupational Psychology, Counselling Psychology and Educational Psychology. Our professional Doctorate students contribute a significant dimension to the School research environment, embedding MPhil/PhD students within a substantive, critical mass of peers with knowledge of advanced, applied concerns. There have been 56 HESA-returned Doctoral completions during 2008-12 (see REF4). This does not include our additional annual cohort of 31 DClinPsy students (150+ over the 5 year period). All doctoral students are supervised by teams with a minimum experience of two completions, and are fully integrated into research groups, attend lab meetings, and invited speaker talks, and link-in with wider networks. IRCD, for example, have regular seminars from academics across the UK and overseas e.g. Wattam-Bell (UCL); Karmiloff-Smith (Birkbeck); Sekiyama (Kumamoto University, Japan). Our PGR quality provision has been recognized by the ESRC, with the School holding +3 ESRC recognition from 2006.

PhD students are supported by the Graduate School, and enrol for a University MRES if they have no equivalent research experience. The training includes two ESRC-compatible Masters modules in quantitative and qualitative methods for psychology. New PGR students complete these in their first year and, where required, take the full MRES program. In addition, PGRs access the UEL Researcher Development Programme (see above). All PhD students are allocated dedicated desk space and networked computers in the Research Suite (see section d).

The School has a dedicated Research Degrees Leader and MPhil/PhD Program Leader, and has a School Research Degrees Committee, to oversee progress, which reports directly to the University Research Degrees Committee. PGR development is supported by annual reviews and upgrade reviews where two academics from outside the supervision team review progression reports outlining work completed and future plans, and then meet in viva with students and supervisors to discuss progress. Alongside this, PGRs take part in an annual School PGR conference attended by peers and academic staff. Here PGRs present their work and get constructive independent feedback and on their communication and presentation. PGRs are also encouraged to present at the annual UEL cross-school research conference and gain experience of discussing ideas with academics from other disciplines. We also fund PGRs to deliver presentations at national and international conferences and for training workshops (e.g. ESRC

Research Methods seminar days). We have also used QR funds for scholarships and write-up grants: 2 School-funded and 6 University-funded studentships completed in the 2008-13 period.

d. Income, infrastructure and facilities

Income: Between 2009-2012 we submitted over 70 external bids summing to £6.5million. Many expressions of interest have been shortlisted (e.g. European Research Council, MRC, Action Medical Research, Leverhulme). There has been a broad base of external grant capture and non-HESA funding and consultancy. **Moore** from IRCD in particular is successful in winning funding as partner in large interdisciplinary studies e.g. NiHR (£1.8m, ORiEL), the Wellcome Trust (£6704k & £168k Well London Trial) He has also been PI on two Nuffield Foundation grants (166k & £25k; TALBY and iSTARs projects). **Moore** was part of a successful NIHR CLARCH bid with Harden and Renton (UOA3) and UCL partners and a large collaborative proposal has recently been submitted to ESRC (multicentre SES study). In this period, while at IoP, **Fu** received a HEFCE Clinical Senior Lectureship Award (£250k, 2008-2013 and had grants from Eli Lilly (2009-2013; £742k), and an MRC Discipline-Hopping Grant (2009–2010 £124k). In addition, other funding has come from Turner (Eulogy), **Thoma** (Eclipse), **Jansari** (Royal Society), McDermott (Barking & Dagenham Borough), Frumkin (EPSRC), **Edmonds** (large multinational corporation) and **Spillar & Jonas** (BPS). We plan to significantly grow income in the next period (see section b).

Infrastructure & facilities: Since RAE2008, our research laboratories and technical support workshops have been rebuilt as part of £1.6m refurbishment to enable leading-edge research in several areas; with facilities supported by four full-time technicians. The IRCD has developed and extensively equipped, through external (NIH, Nuffield) and UEL central capital grants, a three-room Babylab suite, equipped with observation/control room, assessment room and an attention lab, equipped with Tobii-120 eye tracker equipment; remote control digital camera equipment, observational software and editing facilities. Recently the Babylab acquired bespoke, functional, near-infra-red spectroscopy (NIRS) equipment built by the medical physics lab at UCL, and will be using this in the next period in collaboration with Birkbeck and UCL to examine infant functional brain activity. IRCD and CAN also share 32- and 128-channel (EGI) EEG laboratories equipped with geodesic nets for adult and infant testing (see outputs by **Kushnerenko, Moore, Tomalski**). We also share a UEL capital funded TMS/EEG lab with the School of Biosciences (see D Turner, UOA3). We maintain full licences for a range of analysis packages, including *Matlab, Eprime, Nvivo, Brain Vision Analyzer, Tobii Studio* etc. In addition CAN has further eye-tracking and cognitive psychology laboratories (coordinated by **Thoma** and Vitkovitch) and a virtual reality lab (see **Jansari**). DAB has a dedicated psychophysiology lab (coordinated by **Turner**) equipped with MACLAB. We also have a hydration lab (**Edmonds**) and a Human/Animal Behaviour Portable Observation lab. To support Applied work and ProfDoc students we have recently created an assessment training suite/library and have access to 11 multi-purpose cubicles. Further, in June 2013 UEL opened a new £14.7m (24hr opening) Library across the quad from the labs.

School research governance, practice and policy:

We implement UK concordats, and research governance, rigour and integrity are integral to the school. Student monitoring is overseen by supervisory and annual-review teams and these are overseen by RMT and SMT, supported by the Graduate School, Research Development Services, and the Quality Assurance office. All PGR and staff research proposals are scrutinised by the University Research Ethics Committee (UREC), which has specific responsibility for institutional oversight of ethics and governance for research that involves human participation, personal sensitive data or human material. UREC's membership is multi-disciplinary, drawing across our academic schools and research institutes, and from external non-research lay members.

e. Collaboration and contribution to the discipline or research base

Our staff members are involved with high quality collaborations in the UK, Europe, North America and Asia e.g. **Berg** with Birmingham; **Birtles**, Oxford and UCL; **Dawkins** Goldsmiths; **Edmonds**, Institute of Child Health & the US Center for Global Safe Water, Emory University; **Eiroa-Orosa**, Yale; **Fu** with Addenbrookes, Cambridge, Kings, Royal Holloway, UCLA; **Jansari**, Addenbrookes, Cambridge, Univ of Sussex, Bristol, Bath, QMUL, University of Louvain-la-Neuve, Belgium; **Jonas**, Sussex; **Kushnerenko**, Univ Lund, Sweden, Karolinska Institute, Univ Helsinki Finland; Kumamoto University, Japan; **Moore**, ICH, UCL, QMUL, LSHTM, Birkbeck, Cambridge, Case Western Reserve, US; **Patel**, UCL; **Rivolta**, Max Planck Institute for Brain Research; **Roberts**, Cambridge Kings, Imperial, QMUL, UNSW; **Scior** with UCL; **Spillar**, Bath, IoP, Kings; **Thoma** with Goldsmiths, UCL IoN, MRC–CBU Cambridge, and the University of Magdeburg.

In 2012 **Fu** was awarded the British Association for Psychopharmacology Award. **Fu** has been invited to present her work at national and international research centres and conferences, including the International Congress of the Royal College of Psychiatrists (UK), and the World Congress of Biological Psychiatry, King's College London. In this period **Moore** has given invited seminars at (Univ of Glasgow, Birmingham, Southbank, Birkbeck, Homerton, Royal London, Newham), keynote speaker at ECIDD, Univ of Geneva, June 2010; 'Emerging Social Brain' seminar, Institute for Child Health (2011). Place2be annual conference, Royal Society of Medicine, London; and closing plenary at the National Child Health Conference, 2012. In 2013 he was invited speaker at the BPS sponsored seminars on neurodevelopmental disorders, Institute of Education, where he presented on ACORNS (IoE Jan 2013).

Large-scale and interdisciplinary collaborations: **Moore**, has collaborated on write up of the US-NIH funded (\$1.8m) DAISY study, with Singer at CWRU, and Parrott (Swansea). **Moore** and RA Frostick have also published from the interdisciplinary Wellcome funded (£500k+) *Well London* randomised-cluster trial of community intervention, exploring the impact on adolescents from deprived areas (see UoA3 submission). **Moore** is also part of a large interdisciplinary team (PI Cummins, LSHTM) behind the NIHR funded (£1.9m) *Olympic Regeneration in East London* (ORIEL) study. **Moore, Kushnerenko and Tomalski** are affiliated scientists in the British Autism Study of Infant Siblings (BASIS), a collaborative research network for the study of infants at-risk for autism in the UK, with paradigms from UEL used in the main study (see outputs of Tomalski & Kushnerenko). The ELAS, TALBY and iSTARs studies are linked with BASIS, and are in collaboration with Karmiloff-Smith and Johnson (MRC Centre for Brain and Cognitive Development, Birkbeck) and Wass (Cambridge), and involve external partnerships with *Acuity* who supply Tobii eye-trackers, *Tower Hamlets Children's Services*, and *Newtech*

Peer-review and review board process: Staff review for all the top journals in their fields.

Dawkins is Associate Editor of *Addiction* and grant reviews for the *Society for Research in Nicotine and Tobacco*. **Edmonds** has grant reviewed for *The Netherlands Organisation for Health Research*. **Eiroa-Orosa** is a grant reviewer for European (COST) and *Catalan Government (AGAUR)*. **Jansari** is vice-chair of Neuropsychology international fellowship scheme (*British Neuropsychological Society and BPS*). **Kushnerenko** is an invited member of the *European Science Foundation Pool of Reviewers*, has reviewed for *AMR, ESRC & Wellcome trust*. **Moore** grant reviews for *MRC, Leverhulme, ESRC, NIHR, Nuffield & ORA (Netherlands)*. **Roberts & Dawkins** review for the *National Institute of Health Research, & ESRC*; **Roberts** for Cambridge University Press **Spiller** is post-doc rep on the *Research Board* for the *BPS* and reviews post-doc grant application, and is Research board rep on the *BPS Education Board*. **Thoma** is a board member of the *British Association of Cognitive Neuroscience (BACN)*.

Effective collaboration & integration with external bodies: **Dawkins** has consulted for the *Young Foundation* to evaluate healthy incentives for pregnant smokers. DAB have been involved in a number of activities, including hosting a public lecture on e-cigarettes (**Dawkins**), collaborating on a joint survey of sexual attitudes and behaviours with *Channel 4 (Roberts and Soar)*, acting as advisor at a round table discussion on e-cigarettes at the House of Lords (**Dawkins**) and as a Panel Member at a '*London Drug and Alcohol Policy Forum*' on Harm Reduction at London Guildhall (**Dawkins**). **Edmonds** has collaborated on funded research with a large multinational company on hydration and regularly contributes to *Natural Hydration Council* meetings. **Moore** has is an Early Years Champion for the Wave Trust; is linked with the Early Intervention Foundation and has had advisory roles with Place2be. **Roberts** is a member of the *UK Household Longitudinal Study Consultation group* (Psychological Attributes, Cognitive Abilities and Behaviour) and affiliate member of the *Risk and Public Protection Research Group*, in the *Forensic Psychiatry Research Unit at St Bart's Hospital, London*. Stone collaborates with the charity *Changing Faces*.

Effective mechanisms to promote collaborative research: in 2012, the School of Psychology & School of Health & Biosciences set up the *UEL Health Commission* chaired by Richard Sumray, (Chair of South London local education and training board; former *CEO Haringey NHS Trust*, supported by Lord Patel) to explore and promote collaboration with the new clinical commissioning groups; In 2013 UEL became a full member of *UCL Partners*. DAB is also part of a *University Substance Use & Misuse Network* with the Medicine's Research Group in the School of Health, Sport & Bioscience (see UoA3 submission), with whom Terlecki and **Dawkins** have recently submitted proposals. **Moore**, together with colleagues from HABS, was recently part of a successful NIHR CLARCH bid with UCL partners (see UoA3 submission).