

**Institution:** University of Exeter

**Unit of Assessment:** 23 – Sociology

## 1. OVERVIEW

The Department of Sociology, Philosophy and Anthropology (SPA) is part of the College of Social Sciences and International Studies. Since RAE 2008 it has further consolidated and expanded its interdisciplinary research culture, combining Sociology, Philosophy and Anthropology. Virtually all staff participate in more than one of the three main research groupings, producing considerable cross-fertilization of ideas and perspectives across the unit. The groupings (indicating the primary but not exclusive affiliation of individual staff members) are:

- a) **Science and Technology Studies (STS)** (with particular strengths in philosophy of science, the social dimensions of the biological and genetic sciences, health and health technologies, and STS theory; the grouping includes the Egenis research centre) (**Dupré, Farrimond, Griffiths, Hauskeller, C., Kelly, A., Kelly, S., Leonelli, Moss, Pickering, Rappert, Schillmeier, Schrader, Toon**)
- b) **Cultural Sociology** (with particular strengths in social theory of culture, sociology and anthropology of art and aesthetics, human-animal studies, identities, and security and military cultures) (**DeNora, Hurn, Inglis, King, Rice, Tyler, Varul, Wilson-Kovacs**)
- c) **Social Philosophy** (with particular strengths in embodied mind and cognition, social ethics, materiality, and post-humanism) (**Colombetti, Hauskeller, M., Krueger, Pleasants, Skidelsky**)

During the REF period the unit sought to expand its already interdisciplinary research culture as part of its strategic plan, in order to capitalise on important new developments within sociology and the wider social sciences (including the sociological and interdisciplinary analysis of new forms of science, materiality, security and military cultures, ethics, and health and wellbeing).

## 2. RESEARCH STRATEGY

### 2.1 Evaluation of RAE2008 strategic aims

In the RAE2008 submission, the aims of the unit were to 1) **increase research capacity** and 2) **enhance the interdisciplinary nature of research practice and outcomes**. Strategies put in place after 2008 to achieve these aims were to:

- a) **grow staff numbers** through attaining internal and external funding for new appointments
- b) **extend research in Science and Technology-related areas**, through developing a new portfolio of research themes and projects, including in health-related areas
- c) **forge stronger links between the disciplines and research groupings**

There was some reorganisation of the research groupings described in RAE2008, to allow more effective implementation of the above strategies: Philosophy of Science and Social Science was included as part of a broadened STS grouping; a new grouping of Social Philosophy was formed, to highlight and augment the sociologically-relevant and -informed nature of philosophy research; and the Cultural Sociology grouping had its substantive remit expanded.

### **Growing staff numbers**

The unit grew from **18.72 FTE** in RAE2008 to **25.2 FTE** now - an increase of 35% - with new staff in all three research groupings. **100%** of staff eligible for inclusion have been submitted to REF2014 (**Schrader** has been submitted to the Geography panel). Recruitment strategy focused on appointing scholars with interdisciplinary expertise, to consolidate existing research strengths and to expand into new areas (see People, below).

### **Extending research in Science- and Technology-related areas**

This strategy was pursued through a combination of appointing new staff and developing new thematics. Two new appointments, **Schillmeier** and **Schrader**, respectively brought new research foci in health and disability, and feminist science studies, as well as bolstering existing strengths in STS theory (led by **Pickering**). Health and health technologies were cultivated as new themes within STS, primarily by the Health, Technology and Society (HTS) research group (led by **Kelly, S.**), building on Egenis' work on medicine (led by **Hauskeller, C.**). This area was extended through

## Environment template (REF5)

the appointment of **Kelly, A.**, bringing new anthropological emphases in health technologies research. The HTS group won ESRC funding on diagnostic technologies and personalized medicine (**Kelly, S.** et al), and ESRC and Gates Foundation funding on health technologies in Africa (**Kelly, A.**), an example of increasing the international impact of research. Indicative of cross-disciplinary fusion, health technologies research interfaced both with Egenis research on health and genetics, and work in Cultural Sociology by the SocArts group (led by **DeNora**) on the themes of Health Humanities and Arts, and Aesthetic Aspects of Health and Wellbeing. During the census period the Egenis Centre broadened its remit from genetics to studies of biology and the life sciences more generally, encompassing critical analyses of emerging science, scientific governance, public interest, biomedicine, health, identities, and the 'transformation of nature'. This shift in research priorities was underpinned by **Dupré** winning a major ERC grant to develop a new 'process ontology' for contemporary biological science, and **Leonelli** also gaining a major ERC grant on the new areas of bio-informatics, data-intensive science, and data-sharing.

### ***Forging stronger links between the disciplines and research groupings***

The cultivation of greater interdisciplinary exchange has been pursued through a wide range of reading groups, seminars and workshops (see 3.2, 5.4), and also through new appointments which consolidated and extended cross-disciplinary capacity. Strong links between staff with different forms of expertise are now in place along the cross-cutting axes of Cultural Sociology, Social Philosophy, STS, social theory, gender, human-animal relations, security and military cultures, ethics, 'human nature', identities, and the *Aesthetics, Embodiment and Cognition* theme, pursued by a cluster of Cultural Sociologists, Anthropologists, STS scholars, and Social Philosophers.

### **2.2 Main aims for research in the next five years, and monitoring of targets**

Medium-term aims are to sustain and increase internationally excellent research, to increase PGR numbers, and to further international research partnerships. More specifically, we intend to:

- 1) continue to engage in the **strategic recruitment** of high-quality interdisciplinary research staff
- 2) **enhance existing areas** of research specialism across the represented disciplines
- 3) **fuse Cultural Sociology with STS and Social Philosophy more systematically**, through the pursuit of **emergent substantive topics** (see 2.4)
- 4) develop **a new stream of Criminology research**, explicitly informed by STS, Cultural Sociology and Social Philosophy, which builds upon the evolving security research agenda, and brings distinctive cross-disciplinary perspectives to crime research
- 5) build **impact** more systematically into all research projects from their inception
- 6) grow capacity further through winning **more external funding** for research projects
- 7) strengthen **international research partnerships**; win more international **collaborative grants**
- 8) augment the **intellectual climate, research experience and employability of PGR students**

Progress toward these goals is monitored through a set of interconnected management processes, led by the unit's Director of Research (DoR), in collaboration with the College's Associate Dean for Research and Knowledge Transfer, who facilitates the College's Strategic Research Plan. Formal monitoring exercises are conducted regularly, led by the Deputy Vice-Chancellor for Research and overseen by the Vice-Chancellor.

### **2.3 New and developing initiatives**

In 2011, the University launched a Humanities and Social Sciences (HaSS) Research Strategy. This brings together researchers into interdisciplinary teams which address major global social challenges and map onto the priorities of major UK and international funding bodies. The University has invested £1.5m in this: £1m for staffing; £105k for discretionary funding; and £395k for project development funds. SPA has already benefited: for example, **Schrader's** post was created as part of the HaSS strategy; the Egenis Centre is a leader of the 'Science, Technology and Culture' stream University-wide; **Dupré** and **Leonelli** recently won funding for a project on 'Symbiology' in partnership with colleagues from Biology and History; **Colombetti** was awarded funding under the 'Medical Humanities' stream for an experimental project within the 'embodied mind' paradigm in Social Philosophy, together with colleagues from Psychology.

## Environment template (REF5)

**2.4 Priority Development Areas**

Research areas that will be prioritised are as follows. The *Aesthetics, Embodiment and Cognition* thematic cluster will bring into more systematic connection Social Philosophical research on mind and embodiment together with Cultural Sociology's focus on aesthetic forms, STS themes of objects, materiality and distributed agency, and Anthropology's analysis of the human senses (**Colombetti, DeNora, Hauskeller, M., Inglis, Krueger, Pickering, Rice, Schillmeier, Skidelsky**). This theme aims to make distinctive contributions to both sociology of the body and Cultural Sociology in the UK and internationally, significantly extending the current 'STS turn' in the latter field. Staff will collaborate on a PGT programme to be launched in 2015, aimed at promoting research in this area. *Applied Ethics* will combine Sociological, Social Philosophical and Anthropological approaches to ethics in the substantive realms of economics, health, post-humanism, human/animal relations, and cultural consumption (**Hauskeller, C., Hauskeller, M., Hurn, Pleasants, Skidelsky, Tyler, Varul**). *Health and health technologies* is being pursued with an interdisciplinary focus on forms of social well-being, considered from Sociological, Social Philosophical, STS and Anthropological viewpoints (**Colombetti, DeNora, Dupré, Farrimond, Griffiths, Hauskeller, C., Hauskeller, M., Kelly, A., Kelly, S., Pickering, Varul, Wilson-Kovacs**). *Food Studies* will fuse perspectives from Cultural Sociology, STS and Philosophy (**Inglis, Leonelli, Schillmeier, Varul**). *Social Philosophy* will be further developed in new empirical areas of biomarkers, medicalization, and biological classification systems (**Colombetti, Dupré, Griffiths, Krueger, Leonelli, Rappert, Pickering, Schillmeier**). *Security and military cultures* will be extended, further focusing on weapons regulation and military strategy (**King, Rappert**). *New Ontologies* (on issues of emergence, complexity and cybernetics, and on 'process ontologies' in contemporary biology) will draw together STS, Philosophy and Cultural Sociology researchers (**DeNora, Dupré, Hauskeller, M., Leonelli, Pickering, Schrader, Schillmeier**). *Criminology*, led by **Rappert**, will be highly interdisciplinary in nature, and developed through a series of new appointments, the first in December 2013. Capacity in *Quantitative Sociology* will be increased, supported by Q-Step funding, with the appointment of a quantitative sociologist and a quantitative criminologist in December 2013: appointees will have interests in existing and emergent research areas, grafting quantitative skills to current theoretical and qualitative expertise in the unit.

**3. PEOPLE****3.1 Staffing Strategy and Staff Development**

In RAE2008, 18.72 FTEs [100%] of eligible staff were submitted. In REF2014, there are 25.2 FTEs, all of whom are submitted (**Schrader** is in the Geography submission). In the census period, four staff submitted in 2008 retired and three moved to other institutions. 57% of staff submitted in 2008 were also submitted in 2014. 35% of staff are scholars at earlier career stages. The unit had an ageing personnel group in 2008 but is now led by a set of mid-career scholars. 11 of 26 staff are women. Hiring processes are underpinned by rigorous equal opportunities procedures, and interview panel members must undertake equal opportunities training and refresher courses.

New appointments were made to develop research capacity in Sociology, Philosophy and Anthropology, building on existing expertise and taking interdisciplinary research in new directions. Winning University strategic investment allowed the following appointments: two full-time permanent Research Fellows (**Schrader, Toon**); six new Lecturers (**Hurn, Kelly, A., Krueger, Rice, Skidelsky and Tyler**); and two new Professors (**Inglis, Schillmeier**). **Toon** was appointed to bolster expertise in the philosophy of science, and **Schrader** to grow capacity in STS theory and feminist science studies, and foster the cross-University 'Science, Technology and Culture' interdisciplinary initiative. At Lecturer level, special emphasis was placed on recruiting anthropologists (**Hurn, Kelly, A., Rice, Tyler**), bringing a distinctive new disciplinary element and fusing with research in Cultural Sociology and STS. **Skidelsky** augmented expertise in Social Philosophy and applied ethics. The emergent 'Aesthetics, Embodiment and Cognition' cluster was strengthened by **Krueger**. At Professor level, **Schillmeier** enhanced existing expertise in STS theory and Social Philosophy, and extended the developing research programme in health-related areas, an area also boosted by **Kelly, A.**, an anthropologist of health. **Inglis** added to research capacity in Cultural Sociology, sociology of aesthetics and social theory. For Egenis, ESRC Centre funding ended in 2012, when it became the Centre for the Study of Life Sciences. All long-term Centre staff (**Dupré, Farrimond, Hauskeller, C., Kelly, S., Leonelli, Wilson-Kovacs**) were

## Environment template (REF5)

retained, all Research Fellows moving to full-time Lecturer positions, and those not already on permanent contracts moved to permanent positions.

Research activity is overseen at unit level by the Director of Research (DoR), and at College level by the Associate Dean for Research and Knowledge Transfer. It is supported by a unit Research Administrator. At College level there is a dedicated team who assist with project and budget management. At University level, the Research and Knowledge Transfer unit provides additional support for large grant proposals and for cultivating impact. Each academic has an Academic Lead who offers support and mentoring on career decisions, research leave, parental or caring leave, grant applications and promotions. In line with the Concordat to Support the Career Development of Researchers, new appointments at Lecturer level participate in the University's 5-year *Professional Development Programme* (PDP). There is a transparent workload model in place across the University, which protects the research time of ECRs. Various forms of additional support are available for all staff, especially ECRs e.g. the *Postgraduate Certificate in Academic Practice* and the *Effective Researcher Development* programmes, and University-level *Development Centres* provide bespoke training and feedback.

The unit follows University policy on co-authorship, ethics and good practice in the conduct of research. Standards of research quality and integrity are maintained by the DoR and through a College Ethics Committee that reviews and advises at proposal stage on all research projects involving human subjects. All research-active staff can apply for study leave, funded by the College, normally after three years of employment. Since 2008, 10 members of staff have had a term's study leave to facilitate research. Support for conference attendance is £1000 annually. As part of a pump-priming effort, staff can also bid for small research grants of up to £1000 from a unit budget, and of up to £5000 from the Associate Dean for Research's discretionary fund, which in the census period supported, for example, hosting the BPS conference in Exeter (see 5.4).

### 3.2 Research Students

The unit's doctoral programme has continued to strengthen over the census period, in terms of numbers and the quality of the doctoral experience. From a total of 7 PhDs completed in the RAE2008 period, the total for the REF census period has risen to **42.9**. Over 85% of recently completed PhDs are in academic employment in tenure-track and early career lectureships and research positions in the UK, US and Europe. In addition to students from the UK, PGRs have been recruited from 15 countries world-wide. Studentships have been funded by various bodies, such as ESRC, AHRC, MRC, Wellcome Trust, non-UK funders (e.g. Portuguese Government), College scholarships, and students' workplaces.

PGR activity is led within the unit by the Director of Postgraduate Studies (DPS). There is a College-level administrative team for PGR, encompassing a dedicated Doctoral Training Manager and an academic Director of Postgraduate Research; the team reports to the Graduate Faculty Board and Dean for Postgraduate Research. The latter oversees doctoral provision, quality assurance, student satisfaction monitoring, DTCs, and strategic development of PGR provision. The unit is part of the South-West ESRC Doctoral Training Centre, partnering with the Universities of Bath and Bristol, and of the new (2013/14) AHRC South, West and Wales Doctoral Training Partnership. 8 ESRC studentships were awarded to the unit in the census period, 3 of which were through the DTC's *Security, Justice and Conflict* pathway, augmenting security and military cultures research. PGR supervision is a central element of work for all staff above ECR level, and ECRs are mentored in supervision by senior staff. Regular training and refresher courses are offered by the College in supervision good practice. Students have two supervisors and an independent academic mentor. An electronic system, MyPGR, introduced University-wide in 2010, is a shared record-keeping space, which has enhanced the efficiency of supervision processes.

All PGR students take a bespoke research training programme at the commencement of studies, and access specialist training modules offered within the South-West DTC. All students undergo an annual *Training Needs Evaluation Process* with their supervisory team. Emerging research training needs for both individuals and groups of students are constantly monitored by the DPS. There is a regular Staff/Student Liaison Forum which identifies ways to augment the PGR

experience. The DPS hosts regular informal events for students to socialise and discuss research issues, and organises term-time student/staff social events. Students may access the comprehensive and constantly up-dated online research methods resources depository within the College's Virtual Learning Environment. Monitoring of supervisory and training quality is carried out by: the DPS collating and responding to course evaluation forms which students complete; the Staff/Student Liaison Forum where all students can present their views; and the presence of a PGR representative at regular staff meetings. A newsletter is sent out regularly by the Graduate Research School, highlighting a broad range of opportunities for training, researcher development and employability, and seminar series and guest lectures, both internal and external. An annual College employability event, focusing on external speakers, will begin in 2014. Students can access the University's *Effective Researcher Development Programme*, and the vast majority do so. They may also take the *Learning and Teaching in Higher Education* (LTHE) qualification; all students employed as Graduate Teaching Assistants must complete at least Stage 1.

Discretionary funding at unit and College level is available for participation in externally-offered courses, and for conference attendance, which various students received in the census period. Each student also receives a bursary of £250 per annum, Inter-Library Loans as needed, and a photocopying budget. There is dedicated desk and storage space for students in Byrne House where Egenis is located, as well as a social space for meeting and networking. The Forum Library was extended in 2012 as part of a £50m programme of building and refurbishment of student facilities, offering high quality study space to PGRs 24/7. The Research Commons, refurbished in 2011, also offers dedicated study space. All students have access to library and ICT facilities. The unit provides equipment for data-collection and specialist software for quantitative and qualitative data-analysis like NVivo. The quantitative software offering is being markedly upgraded through the Nuffield/HEFCE/ESRC-funded Q-Step Centre for quantitative methods. The SocArts PGR group has a media suite with video, audio and music-making technologies.

Reading groups which students have organised or participated in include: the interdisciplinary *Biological Interest Group*, the cross-University *Genomics Postgraduate Student Network*, and groups on *Philosophy and Well-Being*, *Culture and Cognition*, *Sociology of Art*, *Ethics*, and *Cyborgs*, all dovetailing with the unit's major research themes. Students are strongly encouraged to participate in the interdisciplinary departmental seminar series and the Egenis weekly seminars on sociology and philosophy of science. The College runs an annual postgraduate conference, at which each student is expected to present at least once during their studies; most present annually. Student-led events during the census period included: a series of workshops on academic publishing, a series of seminars on 'New Ontologies', a workshop on employment in arts sociology, and an interdisciplinary conference on the theme of 'Emergence'. Students also organised sessions at events like the Society for Philosophy of Science in Practice conference held in Exeter in 2012, and the annual meetings of the British Society for the Philosophy of Science. SocArts students organise an annual international symposium on sociology of aesthetics. With start-up support from the Vice Chancellor's fund, they launched in 2008 an international online journal, *Music and Arts in Action* (MAiA), which has c. 3000 readers per month, is archived at Exeter, and has published work by leading sociologists like Alexander, Atkinson and Hennion. Students are facilitated in hosting international visitors, to increase exposure of their research and to network; for example, SocArts students hosted Postdoctoral Fellows and fellow PhD researchers from universities including Oslo, Cambridge and Yale. Students have published journal articles and book chapters, single-authored or co-authored with supervisors, reflecting and enhancing the interdisciplinarity of the unit: for example in *Sociology*, *International Review for the Sociology of Sport*, *Celebrity Studies*, *Annals of the American Academy of Political and Social Sciences*, *Biological Theory*, *Nanoethics*, *History and Philosophy of the Life Sciences*, *Journal of Medical Ethics*, *Studies in History and Philosophy of Science*, *Health, Risk and Society*, the *British Medical Journal*, and various Oxford University Press Handbooks. Students in the SocArts group were the subject of two feature articles, in the ESA and ASA Culture Section Newsletters, showcasing SPA's contribution to global arts and cultural sociology. **Acord** won honourable mention in the American Sociological Association's annual Dissertation Prize, the first ever dissertation to be so honoured outside of North America.

#### 4. INCOME, INFRASTRUCTURE AND FACILITIES

Increasing income generation has been at the core of the unit's strategy to ensure long-term research sustainability. This has been underpinned by systematic internal peer-review of grant proposals, organised by the DoR and unit Research Administrator. The overall income total in the RAE2008 period over 6.5 years was £4,246k. In the 5 year REF period, the unit attracted **£4,639k** of external income. Circa £1.9m of this figure was distinct from ESRC Centre funding for Egenis. Virtually all of the income reported in this REF period was associated with the 21.2 FTE of staff in post before May 2013. The strategy since 2012 has been to attract alternative sources of funding, after the end of ESRC Centre funding for Egenis that year. This procedure has had two notable recent successes, both involving the ERC: **Dupré's** 5-year ERC Advanced grant (€2m), running from 2013 to 2017, and **Leonelli's** 5-year Starting grant (€1m). Attracting ERC income has been an increasing focal point across the unit, resulting also in **Colombetti's** 5-year Starting grant. Since 2008 the unit has also won major grants from sources such as ESRC (**Dupré, Hauskeller, C., Kelly, A., Kelly, S., King, Leonelli, Rappert, Tyler**), Leverhulme (**Leonelli, Rappert & Kelly, A.**), Wellcome Trust (**Kelly, A., Rappert**), Gates Foundation (**Kelly, A.**), Sloan Foundation (**Rappert**), AHRC (**Rappert**) Deutsche Forschungsgemeinschaft (**Kelly, A.**) and VolkswagenStiftung (**Schillmeier**). Smaller grants were received from sources such as the British Academy, Nuffield Trust and DAAD.

Prestigious funded research Fellowships won by staff members included **Toon's** Marie Curie Intra-European Fellowship; **Hauskeller, M.'s** Leverhulme fellowship; **Leonelli's** fellowship held at the Max Planck Institute, Berlin; **Kelly, S.'s** ESRC UK Stem Cell Social Science Initiative Visiting Fellowship Grant; **Pickering's** residential fellowships at the University of Konstanz and Bauhaus-Universität, Weimar; **Moss's** residential fellowships at the Research Humanities Center, Rice University, and the Sydney Centre for the Foundations of Science; and the Brocher Foundation fellowships held by both **Hauskeller, C.** and **Kelly, A.** Other fellowships and visiting positions included: **Dupré** holding the Diane Middlebrook and Carl Djerassi Visiting Professorship of Gender Studies at the University of Cambridge; **King's** Visiting Fellowship at All Souls College, Oxford; **Rappert's** Fellowships at Keio University, Japan, and the Universities of Sydney and Western Australia; and **Leonelli's** Visiting Fellowship at the University of Minnesota. Fellowships facilitated the writing of various research papers by all of the above individuals, and directly allowed for the writing of monographs by **Hauskeller, M., Pickering** and **Rappert**.

Research resources have been markedly upgraded, notably the Forum Library (open 24/7) and the Research Commons (described above), improved online access to journals, investment in new full-text resources such as *Oxford Scholarship Online*, and new subject-specific databases such as *Proquest Sociology*, *International Bibliography of the Social Sciences*, and *The Philosopher's Index*. The research collections are supported by specialist staff, including a subject librarian who offers bespoke group and one-to-one training for staff and PGR students. The *Open Exeter* project, funded by JISC, has developed the institutional repository ORE (Open Research at Exeter), and University investment in an Open Access and Data Curation system supports Open Access publishing and data-management requirements.

#### 5. COLLABORATION AND CONTRIBUTION TO THE DISCIPLINE

The unit contributes both core sociological and interdisciplinary research to the discipline of sociology and the wider social sciences, as well as the humanities and natural sciences. Staff publish in mainstream sociology journals (see REF2), as well as publishing sociologically-relevant work in Philosophy, Anthropology and STS outlets. They have contributed to various national and international sociological organisations, and review for a very wide range of funding bodies and journals, sociological and interdisciplinary. Four people participated in ESRC Subject Benchmarking. A BSA journal is housed in the unit. Staff delivered plenary lectures at venues like ISA and ESA conferences, and serve as sociological ambassadors to other disciplines.

##### 5.1 Interdisciplinary research

All staff routinely work across disciplinary boundaries in both their research and teaching, illustrating the markedly interdisciplinary nature of research across the whole unit. For example: staff in Egenis (**Dupré, Hauskeller, C., Leonelli**) work with, and address matters of relevance to,

biologists, medical researchers and natural scientists, as well as philosophers; Social Philosophers (**Colombetti, Kreuger**) work with psychologists, and contribute to debates in and about economics (**Skidelsky**); various staff (**Farrimond, Hauskeller, C., Kelly, A., Kelly, S.**) work closely with medical researchers, and medical issues are also addressed by STS research (**Schillmeier**); **DeNora's** research deals extensively with musicology and music therapy; **Rappert's** work is conducted in collaboration with natural scientists; anthropologists (**Hurn, Rice, Tyler**) produce work of relevance to Cultural Sociology and interdisciplinary human/animal studies. The census period has seen the development of new cross-over research domains, such as 'Aesthetics, Embodiment and Cognition', facilitating a research agenda that seeks to move across the intellectual boundaries which have traditionally divided the social sciences from both the humanities and the natural sciences. This agenda contributes to, and dovetails, with the University's broader interdisciplinary HaSS Strategy (see 2.3).

## 5.2 Engagement with users

A wide range of practitioners engage with and use research, including public and medical policy-makers, NGOs, military and security professionals, health professionals, allied health professionals (music therapists), and journalists, as well as the general public. Thus **King** works with the British Army at the highest levels, such as the Joint Services Command and Staff College, and NATO. **Rappert** has worked with, and for, a wide range of NGOs, such as Landmine Action and Action on Armed Violence. Medical researchers have advised the UK, German, Austrian and Russian governments, worked with both medical practitioners and ethical businesses in disease prevention, and trained medical students (**Farrimond, Hauskeller, C., Kelly, A., Kelly, S., Wilson-Kovacs**). **DeNora** works with music therapists in the UK and Norway. **Skidelsky's** book on social ethics was widely reviewed in UK and foreign media, and favourably referenced by public figures like Rowan Williams and Ed Miliband. **Dupré** contributed to transforming public understandings of Darwinism.

## 5.3 International collaborations

Unit members collaborate widely with international colleagues and organisations. For example, **Kelly, S.'s** ESRC project was a joint venture with Maastricht; the ESRC seminar series she organises involves colleagues from New Zealand; her Brocher foundation workshop involved Stanford and Basel, and she is a project consultant for Duke University. **Kelly, A.** has worked with colleagues in Africa - the Medical Research Council Laboratories in The Gambia, Ifakara Health Institute, Tanzania, and the Universities of Sierre Leone, Senegal and Conakry (Guinea) – as well as with European groups at the Universities of Paris, Diderot, and Amsterdam. **Schillmeier's** *Art of Caring* research group involves collaboration with the Universities of Barcelona, Munich and Utrecht. He is a member of the *Reflexive Modernisation* group funded by the German Research Council. **Dupré** collaborates with biologists at Dusseldorf, Vanderbilt and Paris, and his Leverhulme-funded *Questioning the Tree of Life* International Network brought together researchers from a range of countries including Australia and France. **Leonelli** works with philosophers at the Universities of Adelaide, Sydney and Chicago. **Hauskeller, M.** collaborates with colleagues at the New York Institute of Technology on Posthumanism. **Kreuger** engages with philosophical and psychological colleagues at the Universities of Aarhus, Reggio Emilia, and Oregon. **Hurn** worked with the University of Cape Town's Baboon Research Unit. **Rappert** worked on ESRC, Sloan and Wellcome projects with colleagues from Duke, Darmstadt, ANU, Sydney, Texas, and Berkeley. **Inglis** works with colleagues at Yale on Cultural Sociology, and the Universities of Roma Tre and Salerno on social theory. **DeNora** collaborates with colleagues at Bergen on music therapy.

## 5.4 Contribution to research dissemination and development

Two international research journals are located in the unit: the BSA's *Cultural Sociology* (edited by **Inglis** and **Varul**), and *Music and Arts in Action*, founded and edited by PhD students and graduates in the SocArts group. **Leonelli** is Associate Editor of the journal *History and Philosophy of the Life Sciences*. **DeNora** co-edits the Ashgate book series on *Music & Change*. **Inglis** edits two book series in sociology for Palgrave, one on Cultural Sociology with the Center for Cultural Sociology at Yale. Staff members have guest-edited special editions of journals, for example **Hauskeller, C.** edited a special issue of *Sociology* on genetics and identity. **Kelly, A.** was a founder of *Somatosphere.net*, an international collaborative website covering the intersections of

medical anthropology, STS, psychology and bioethics, and guest-edited editions of the *Journal of Cultural Economy*, *Science as Culture*, and *Africa*. Most members of staff serve on the editorial boards of international journals, such as *European Journal of Social Theory*, *Social Forces*, *American Journal of Cultural Sociology*, *Moral Philosophy and Politics*, *Ethnic and Racial Studies*, *Identities*, *Sociology Compass*, *Philosophy of Science*, *History and Philosophy of the Biological and Biomedical Sciences*, among various others across the unit's disciplines.

The unit was involved with three ESRC-funded seminar series: on *Ethical Consumption* (led by **Varul**), *The Role of Diagnosis in Health and Wellbeing* (led by **Kelly, S.**), and *Arts, Health and Well-Being*, co-organised by **DeNora** with the University of Nottingham. The Egenis Centre hosted the Leverhulme Trust-funded *Questioning the Tree of Life* series (led by **Dupré**), and the Arts Council-funded *Exploring Genomics with an Artist* series. **Leonelli's** EPSRC-funded project *Evolving Controllers and Controlling Evolution* produced two international workshops and a conference held in Vienna. She also organized an international workshop on *The Value of Open Science*, and the *Knowledge/Value* workshop series with the University of Chicago. **Dupré** and **Leonelli** were awarded EPSRC funding with colleagues from Exeter's Biology unit to run an interdisciplinary workshop on new perspectives on 'synthetic biology'. The Foundation for the Sociology of Health and Illness funded a seminar series on *Bridging the Gaps Between the Sociologies of Diagnosis and Intervention*, led by **Kelly, S.** The Brocher Foundation funded a symposium held in Switzerland, organized by **Farrimond** and **Kelly, S.**, on *New Developments in Non-Invasive Prenatal Genetic Testing*. **Pickering** organized a Gulbenkian Foundation-funded workshop series on *New Ontologies*. **Rappert** organized an international symposium at Exeter on gaps in current knowledge about the social consequences of science, technology and medicine.

The unit hosted a number of major international conferences, for example the annual conference of the British Society for the Philosophy of Science (BSPS) in 2013, and the 87<sup>th</sup> *Joint Session*, a major annual international event in Philosophy, run by the Aristotelian Society and the Mind Association. Egenis staff organized eight conferences and more than 40 workshops during the census period, such as the *Society for Philosophy of Science in Practice* biennial conference, and an ESRC Genomics Network annual conference, held at the British Library. Staff members ran a wide range of conferences at other venues - e.g. **Rappert** organised a Wellcome Trust-funded conference on *Promoting Dual Use Ethics* with Australian National University; **Inglis** organized the Culture stream at the BSA conference for three years; **Inglis** and **DeNora** - board members of the ESA's Research Network on Culture - organised Culture streams at several ESA main conferences and several of the Network's interim conferences; **Hurn** served on the organizing committee of the Association of Social Anthropologists conference.

Academics hold key positions within subject associations and learned societies. **Dupré** was: President of the British Society for the Philosophy of Science; an elected member of the Governing Boards of both the Philosophy of Science Association and the Council of the International Society for the History, Philosophy and Social Studies of Biology; an Advisory Board member for the Society for Philosophy of Science in Practice; elected Fellow of the American Association for the Advancement of Science; and a participant in the Nobel Week Dialogues in 2012. He gave a Linus Pauling Memorial Lecture in 2013. **Griffiths** is a Fellow of the American Association for the Advancement of Science. **Leonelli** was a Steering Board member of the following: the Society for the Philosophy of Science in Practice, the European Philosophy of Science Association, the European Advanced Seminar in the Philosophy of Biology, the UK Network for Integrated History and Philosophy of Science, and the Genomic Arabidopsis Resources Network (GARNet); she was also elected to the Global Young Academy group of exceptional early career scholars. **Schillmeier** is a founding member of the NanoMedicine Roundtable Communication Working Group, funded by the European Commission's FP7 programme. **Inglis** edits the journal *Cultural Sociology* for the BSA. **Tyler** is co-founder and co-Chair of the Association for Social Anthropology's Anthropology of Britain research network. **Skidelsky** is a Trustee of the Maudsley Philosophy Group, promoting linkages between Philosophy and Psychiatry. **Kelly, A.** is Secretary of the Medical Anthropology committee of the Royal Anthropological Institute.