Institution: University of Edinburgh

Unit of Assessment: 30: Philosophy

1. Unit context and structure, research and impact strategy

Unit Context and Structure

Edinburgh Philosophy is a vibrant, international community of 35 philosophers committed to producing research that transforms academic and public understanding of the human condition, the natural world, and our place within it. Since 2014 we have led a major strategic expansion, creating 16 new posts and returning 45% more FTE than in REF2014 [increasing from 23.6 to 34.3 FTE]. This expansion has enabled us to establish exceptional depth and critical mass across the core areas of philosophy, including ethics, philosophy of mind, language/logic, philosophy of science and epistemology, while expanding into emerging areas of global significance and contemporary debate, including Africana philosophy, the philosophy of race and gender, the philosophy of death and dying, and the ethics of data and artificial intelligence. Based in the School of Philosophy, Psychology and Language Sciences (PPLS), our innovative contributions have been fostered through an unusual breadth and depth of interdisciplinary collaborations, including with neuroscience, medicine and informatics.

Alongside this expansion in staff numbers, we have quadrupled our grant funding (from £1M in REF2014 to £4M). This includes 2 European Research Council grants, and nearly £1M in alumni support directed at scholarships for research students. We have also secured a £5M investment by Baillie Gifford to establish a new programme on Ethics and AI, including launching the Centre for Technomoral Futures. During this REF cycle we have driven up the quality of our outputs, evidenced through a significant increase in articles published in the top disciplinary journals (with 36 articles in what are widely considered the top 5 generalist philosophy journals, versus 14 in REF2014; details below), and 7 major prizes for our work (see section 4). Through partnerships with schools, prisons, government and industry, and our pioneering MOOCs (over 568K enrolments), we have fostered skills of reflection and reasoning in a wide range of audiences and applied philosophical insights to central contemporary problems.

Research and Impact Strategy

Edinburgh Philosophy's strategy has been to invest in research transforming the scope and relevance of our discipline. Through strategic expansion we have strengthened research and impact across the core areas of philosophy, while developing new areas beyond this canon. 3 enablers underpin our strategy:

1. Attracting talented academic staff, postdoctoral fellows, research fellows, PhD students and visiting scholars by transforming our approach to recruitment and mentorship. Since REF 2014 we have appointed 16 colleagues to new posts, through ground-up redesign of our recruitment process (see Section 2). We have increased the number of PhD students, with 73 completions in this REF cycle versus 26 in the previous REF cycle. This was achieved with the help of an enhanced recruitment process built around improved funding, including a £1M alumni endowment for PhD student support, and the development of a comprehensive set of training, support and placement activities. Quadrupling our external funding enabled us to recruit 19 postdoctoral fellows and research assistants. We host a wide range of visiting scholars, who give talks, comment on papers, and provide PGR training. There has been substantial growth in this collaborative activity, with 88 official visitors versus 33 in the REF2014 cycle.

2. Creating a stimulating and collaborative research community in which staff can realise ambitious research goals. Our research is organised around 7 overlapping clusters, which provide critical depth and visible, well-articulated pathways for support, peer review, collaboration and events. This has underpinned a major increase in research funding, and outstanding publication success. Research outputs from Edinburgh Philosophy account for approximately 4.4% of all articles published between 2014-20 in what are widely considered the top 5 generalist journals (*Journal of Philosophy*, *Mind*, *Nous*, *Philosophical Review* and *Philosophy & Phenomenological Research*).

3. Fostering interdisciplinary and industry partnerships to achieve sustained impact. Since REF2014, the School has made a series of investments to strengthen our impact. This includes appointing 5 specialised professional service staff to support impact and outreach activity and establishing a fund for academic staff to run scoping studies (9 pilot projects awarded to 7 members of staff). We also appointed 3 impact fellows in Philosophy to direct projects delivering impact.

Research Groups

Significant growth in staff and funding has underpinned major expansion which is now organised around 7 main areas: History of Philosophy, Philosophy of Mind, Epistemology, Philosophy of Logic/Language, Ethics, Philosophy of Science, and Philosophy of Race and Gender. While these areas are neither exhaustive nor exclusive, they reflect areas in which we have strategically built critical mass and hubs for collaboration.

History of Philosophy. History of Philosophy has seen significant expansion over the REF period, with our existing group (Kupreeva, Massimi, Phemister, Ridge, Richmond and Ward) joined by experts on Early Modern and Scottish Enlightenment (Cohen, Cottrell, Gill, J. Marusic), Islamic philosophy (Almotahari) and late Hellenistic philosophy (Caluori). The recent appointments of Cottrell, Gill, and J. Marusic make Edinburgh a world-leading research group on Scottish Enlightenment, with a particular focus on Hume. Cholbi, Massimi and Cohen's work on Kant has drawn important connections between his philosophy and contemporary issues. For example, Cholbi's work on paternalism draws on his understanding of Kantian ethics by distinguishing 3 features of rational agency to offer a new account of the wrongness of paternalism.

In the area of history of ethics, Cohen's influential work on the positive role for emotions in Kant's philosophy has debunked more orthodox interpretations prevalent in Kant scholarship which have Kant downplaying or denigrating the emotions. This work has also fed into our impact activities in terms of the role of emotions in moral education via Cohen's work in schools (see Impact Strategy). Complementing this work, Cholbi's *Understanding Kant's Ethics* provides a useful systematic and critically engaged yet accessible overview of Kant's moral philosophy.

Our work on the Scottish Enlightenment has explored themes in both Hume's ethics and his metaphysics and epistemology and has juxtaposed that work with contemporary research, in original ways. Gill's *Humean Moral Pluralism* argues that the kind of pluralism more often associated with 20th century non-naturalists (especially Ross) can be found in Scottish sentimentalists like Hume and Smith, and that their sentimentalism provides a sounder metaethical framework for pluralism than Ross's non-naturalism. Gill's article on Shaftesbury explored how his conception of living your life as a work of art challenged the boundaries between aesthetic and moral value, winning 'best article' in the *British Journal for the History of Philosophy*. This focus on moral philosophy in the early modern period is complemented by the work of J. Marusic and Cottrell, which explores the metaphysics and epistemology of Locke and

Hume respectively. Both have published important papers on these figures in *Philosophical Review*: Cottrell offering a novel interpretation of Hume on personal identity, and Marusic suggesting a new reading of Locke's account of sensitive knowledge.

Work in Ancient Philosophy includes Caluori's path-breaking work on Plotinus, with his major monograph representing the first comprehensive study of Plotinus's theory of the soul in over 50 years. Kupreeva's work on Aristotle, published in a prestigious German series, investigates the as yet understudied Aristotelian tradition in the Imperial period, from 1st century BC to the end of 2nd century AD, with an overview of the early Imperial Peripatos (represented by Andronicus, Boethus and Xenarchus). Work in this area is highly interdisciplinary: Kupreeva and Caluori have regularly presented their work at conferences/workshops hosted by Classics departments, and Kupreeva gave an invited talk at the Oxford conference From Space to Spacetime, providing an opportunity to share her work with physicists as well.

Philosophy of Mind. This cluster (Chirimuuta, Clark, Isaac, Lavelle, Sprevak, Treanor, Vierkant, and Ward) has produced highly original research on the philosophy of cognitive science, especially on the '4E's' – the idea that cognition is embodied, extended, enacted and embedded. Clark's ground-breaking work has served to reframe predictive processing from a purely neural theory to a view of cognition as essentially embodied and socially embedded. Building on his earlier landmark defence of extended cognition, *Supersizing the Mind* (4,290 citations) and his paper in *BBS*, "Whatever next" (3,735 citations), Clark's more recent book, *Surfing Uncertainty* (1,253 citations) has pushed this research programme forward. Clark's work is widely credited with developing a new paradigm in cognitive science and has influenced a wide range of disciplines beyond philosophy, leading to innovations in industry, including consultancy work for Google and product design (see Impact Case Study). Ward's research builds on this work, including through his article in *Philosophy and Biology*, which provides a powerful account of how enactivism can explain otherwise deeply intractable puzzles about the placebo effect, through viewing the mind, body and world as dynamically and inextricably entangled with each other.

A second major theme is the computational mind and AI, with Sprevak's research helping secure £83K for a cross-school project on AI and the international rule of law. The mind cluster collaborates closely with psychology and informatics through the Philosophy, Psychology and Informatics Group (PPIG), which hosts world-leading speakers in a bi-weekly cross-disciplinary research seminar. The appointment of Chirimuuta expands the horizons of this group. Her *Outside Color* draws together the history of philosophy, contemporary philosophy, contemporary neuroscience and vision science to develop a systematic theory of colour and its relationship to physical reality. The book has received critical acclaim not only in standard academic venues, but also in *The New Scientist* and *The New Republic*.

Epistemology. Colleagues in this cluster (Chrisman, Maguire, B. Marusic, Pritchard, Schwarz, Smith, and Treanor) have produced influential work on intellectual virtue epistemology, 'extended' epistemology, formal epistemology, and at the intersection of epistemology and moral/social philosophy. Pritchard's work on virtue epistemology has developed a novel approach to scepticism, in his influential *Epistemic Angst*. Pritchard has built capacity in this field, leading Edinburgh's participation in the 4-year Marie Curie DIAPHORA network, which supported 2 PhDs analysing the nature of warrant. He led the Templeton-funded *Intellectual Humility* MOOC and *Know Thyself* MOOC. Smith's work on different concepts of risk in relation to epistemic justification makes an important contribution to discussion of 'lottery cases' in epistemology and discussions of evidence in law. His work is achieving wider impact, with his "Why Throwing 92 Heads in a Row is Not Surprising" winning the prestigious Marc Sanders Prize for Public Philosophy.

Research in this area has generated new insights by working at the intersection of ethics, epistemology and meta-epistemology. A particular highlight is B. Marusic's 2015 *Evidence and Agency: Norms of Belief for Promising and Resolving*, which won the 2016 APA Book Prize for the best book published in philosophy of mind, metaphysics or epistemology in the analytic tradition in the previous 5 years. Marusic appeals to broadly Sartrean ideas of 'bad faith' to argue that we can sometimes rationally form beliefs which go against the balance of evidence. Chrisman's *The Meaning of 'Ought'* investigates systematic connections between deontic and epistemic uses of 'ought' while Ridge's "How to Be an Epistemic Expressivist" draws on the idea of 'pragmatic encroachment' to develop a novel argument for epistemic expressivism. This strand of research also connects with our history cluster: for example, Cohen's "Kant on the Ethics of Belief" applies Kant's Formula of Universal law in the epistemic realm, treating principles of belief formation and revision as analogous to maxims. Cohen argues that this framework allows Kant to rule out reasoning based on wishful thinking, prejudice and imitation.

Language/Logic. The Edinburgh Philosophy of Language research cluster (Almotahari, Chrisman, Pickel, Rabern, Schoubye and Schwarz) has established itself as a leading centre for research on the philosophical foundations of formal semantics. Highlights in this area include work in the theory of proper names, with Rabern advancing a novel theory of 'capitalized descriptions' (such as 'the Holy Roman Empire') as being neither ordinary descriptions nor ordinary proper names; and Schoubye's powerful theory of proper names as type ambiguous, with some of their uses surprisingly functioning as pronouns. Pickel's work on the theory of propositions accommodates the compatibility of structured propositions with functional compositionality, an important result for some of the most central debates in the philosophy of language. This work is complemented Rabern's novel take on the relationship between semantic content and assertoric content. The group was recently ranked joint second of UK departments in Logic/Language in the Philosophical Gourmet Report

Ethics. The ethics cluster (Cholbi, Chrisman, Curry, Fletcher, Gill, Maguire, B. Marusic, Mason, Melo Lopes, Roberts, Ridge, Todd and Vallor) has further developed its contributions on metaethics and the theory of free will, while making strategic hires to develop strengths in political philosophy, normative ethics, the history of ethics and applied ethics. In metaethics, Ridge and Chrisman both have developed original and systematic alternatives to moral realism, with Ridge being at the forefront of the move to so-called 'hybrid theories' in meta-ethics, and Chrisman developing an original 'inferentialist' theory. Both Ridge and Chrisman published major books on these theories (Ridge's *Impassioned Belief* and Chrisman's *The Meaning of 'Ought')*, which have been positively reviewed in major venues (e.g. *NDPR*, *Journal of Philosophy*, *Ethics*) and have played a defining role in further debates in metaethics. This work is complemented by the more realist-friendly work of Fletcher and Roberts, bringing a healthy theoretical diversity to this research group. Of UK departments, Edinburgh was ranked equal first (alongside Oxford) in metaethics/moral psychology in the most recent "Philosophical Gourmet Report".

The cluster has also made major contributions to the theory of moral responsibility. Mason's book, *Ways to Be Blameworthy,* treats the theory of right action and the theory of responsibility in tandem, whereas they are usually analysed independently. Although only recently published, Mason's book was the focus of a discussion on the prestigious *PEA Soup* ethics blog. Vierkant takes a more empirical approach to explain the role of will-power as revealed by recent empirical work in traditional debates over free will. Todd's work on 'future contingents' develops a novel argument that all future contingents are false, drawing on analogies with Russell's theory of failed definite descriptions, thereby making sense of an 'open future' amenable to his theory of free will.

The cluster has also developed new areas of strength. Several of our recent appointments work in normative ethics (Cholbi, Gill, Maguire, Vallor), political philosophy (Cholbi, Maguire, Vallor), applied ethics (Cholbi, Gill, Vallor) and the history of ethics (Cholbi and Gill). A particularly notable new strength is medical ethics, with a focus on death and dying. Cholbi founded the International Association for the Philosophy of Death and Dying, which holds a major biannual conference, and Gill has done leading work on end-of-life care and decision making. Gill's work draws on his experience working alongside professionals for an extended period of time in a paediatric intensive care ward (see his "PICU Prometheus" paper). Vallor's appointment brings outstanding expertise in the Ethics of AI: her ground-breaking monograph, *Technology and the Virtues: A Philosophical Guide to a Future Worth Wanting,* develops a cross-culturally informed virtue ethics that she argues should inform thinking about issues raised by new technologies. The book has received critical acclaim in major outlets (*NDPR, Kennedy Institute of Ethics Journal*, *Ethical Theory and Moral Practice*). This strand of research is being developed in a new Centre for the Technomoral Futures, located in the Edinburgh Futures Institute and funded by a £5M investment. The Centre aims to unify technical and moral expertise in new models of research, education, design and engagement that directly serve the goals of sustainable, just and ethical innovation. Its current portfolio of activities, supported by an initial gift from the global investment firm Baillie Gifford, focuses on the ethical implications of present and future advances in AI, machine learning and other data-driven technologies. Fletcher's work on the nature and value of well-being has focused on 'objective list' theories of well-being, redrawing the standard taxonomy of views in this area and developing a novel strategy for accommodating the advantages of desire-based views in an objective list framework.

Philosophy of Science. The Philosophy of Science cluster has expanded further since 2014, encompassing wide-ranging research at the intersection of history, metaphysics, psychology, cognitive neuroscience, physics and biology (Clark, Chirimuuta, Isaac, Massimi, Schwarz, Sprevak, Vallor, Ward and Wolff). Massimi's ERC Consolidator grant, *Perspectival Realism* (€1.6M) has developed a novel realist view which builds on the Kantian legacy and takes pluralism in science as its foundational premise. The project has involved field work with cosmologists at the Dark Energy Survey and physicists at CERN. 6 different articles resulted from this collaboration, 3 dedicated to understanding the nature of cutting-edge scientific models at play in contemporary searches for Beyond Standard Model particle physics and 3 focussing on the role of models and Bayesianism in contemporary cosmology. Massimi participated in a high-level panel to discuss the next generation Future Circular Collider and fed into science policy reports on the *Economics of Big Science*. For her interdisciplinary work, Massimi was recognised by the Royal Society's Wilkins-Bernal-Medawar award in 2017. The ERC project has supported 2 early career scholars (McCoy and Cretu), 2 doctoral students (Jacoby and Spagnesi), and enabled fruitful interdisciplinary exchanges within the outstanding research resources existing in Edinburgh: the Higgs Centre for Theoretical Physics and the Royal Observatory of Edinburgh.

Other members of this cluster have conducted high profile work at the intersection of philosophy of science and other disciplines, including Chirimuuta's work in the philosophy of cognitive science and neuroscience, and Isaac's work on structural realism and physical constants. Isaac's work led to a 2019 interdisciplinary conference with world-leading historian of science George Smith and G. Manchin of the National Physical Laboratory, who has been at the forefront of redefining units of measure like 'kelvin'. Philosophy of measurement/quantities is also central to Wolff's book, *The Metaphysics of Quantities*, which sets out a novel position on the status of quantities – a form of 'non-reductive restrictive realism' according to which quantities are irreducible features of reality (rather than features of our concepts), implying that not all features of the world are potentially quantitative.

Philosophy of Race/Gender. The appointment of Curry and Melo Lopes has positioned Edinburgh as an international hub for work on the philosophy of race and gender. Curry's highly original theorising on gender, race and racism, and extensive work on the phenomena of sexual violence against, criminalisation of, and abuse of Black males, created the field of Black Male Studies. His work on Africana philosophy offers a radical alternative to dominant Eurocentric frameworks. Curry's monograph *The Man-Not* won the American Book Award in 2018, and his public intellectual work earned him the Society for the Advancement of American Philosophy's Alain Locke Award in 2017. In 2018 Curry was named by Diverse Magazine as one of the Top 15 Emerging Scholars in the United States. In his latest work, Curry has applied his insights on the racialization of males to analyse the rape of Jewish men during the Holocaust (see his "Thinking Through the Silence"). Curry has also contributed to social scientific research on racial disparities in the context of COVID-19. Research in the cluster has benefited from close connections to social scientific and historical work on issues of race and decoloniality (e.g. Curry's role on the steering committee of the cross-disciplinary Institute Project for Decoloniality discussed under Future Priorities below).

Cholbi's "Black Lives Matter and the Call for Death Penalty Abolition", published in *Ethics*, generated considerable discussion on the prominent ethics blog *PEA Soup*, winning second prize for the 'Best Original Discussion'. Melo Lopes's work on patriarchy and backlash has provided a robust challenge to more orthodox conceptions of misogyny, arguing that a plausible conception must make sense of 'meaning vertigo' – a disorientation we feel when the characteristics we use to navigate our social world become ambiguous. Finally, McGlynn's recent work suggests that the tendency of existing literature to deploy tools from philosophy of language to understand the ways in which pornography influences beliefs and attitudes is misguided; given the dominant role of images (rather than words) in pornography, social epistemology provides a much more illuminating framework.

Impact Strategy

Edinburgh Philosophy is committed to research that contributes to public understanding and critical reflection. Our strategy has been to support the development of sustained impact activities across 3 main areas.

1. Improving Educational Practice in primary and secondary schools, community colleges, special education units, prison educational units, and continuing professional development programmes in cultural organisations and businesses. This work draws on a wide body of research on virtue epistemology, enactivism, the role of technology in knowledge-generation, the role of the emotions in moral education, and philosophy of gender. For example, Ward's work in Scottish schools and community centres has helped teachers appreciate unexpected ways in which cognition and perspective-taking are enactive processes involving bodily and sensory systems (a position he argues for in his *Journal of Philosophy of Education* paper). Similar impact projects have helped educators better use technological aids in the classroom (Clark and Pritchard, drawing on their research in extended cognition and extended epistemology), better understand the role of feelings and emotions in moral education (Cohen, drawing on her research on Kant on moral education), and reframe gendered approaches to the education of boys and girls (Mason, drawing on her work in feminist philosophy). For example, Pritchard's AHRC funded *Extended Knowledge* project looked at extended knowledge in the classroom, in collaboration with colleagues at Moray House School of Education and local schools. Their collaboration led to a follow-on project also involving the Scottish Sensory Centre, exploring how students at local special needs schools, especially the Royal Blind School, use assisted technology to generate extended knowledge.

2. Improving and informing decision-making in government, industry and major cultural organizations. Drawing on his research on free speech, Chrisman organised a conference with politicians, journalists, campaigners, activists and academics to draft a Charter for Responsible Public Debate, a series of public workshops at the Edinburgh Fringe Festival, Edinburgh Festival of Politics, MilleniFest and a Learning for Sustainability workshop, and wrote an op-ed in *The Scotsman* discussing the charter. Drawing on his research on the extended mind, Clark worked as a consultant for industrial partners (Google, CyborgNest) to inform the development of AI in building design and the future of human/machine interactions. Clark's research on distributed cognition also formed the subject of dedicated exhibitions at the Miami Science Museum and the Musée du Quay Branly in Paris. Sprevak worked with curators of National Museum of Scotland to explore how his work on the history of distributed cognition could change how items in their galleries are presented. The Talbot Rice Gallery worked with Sprevak to create a dedicated exhibition (supported by £100K AHRC impact funding) exploring how distributed cognition relates to contemporary art, producing a show with 28 artworks from 13 internationally renowned artists. As a result of Scaltsas' research, the Greek government agreed to create a new type of museum of ideas sited inside Aristotle's *Lyceum*, funded by €2.5M from the EU Innovative Projects Fund. Our early career researchers have also achieved impressive impacts. Watson's (Leverhulme ECF) research exploring how to ask good questions has led to the launch of a consultancy business, Question First, which has advised educators (in UK primary and secondary schools), cultural organisations (Royal Scottish Zoological Society, Royal Botanic Gardens, Scottish Opera), and private-sector businesses (SalesForce, Success Methods) on strategies to promote intellectual virtues such as curiosity, open-mindedness, rigour, and respectful engagement with peers.

3. Transforming public perceptions of philosophy through an extensive suite of MOOCs, public talks, festivals, shows, lectures, stand-up comedy routines, blogs, radio, TV and newspaper articles. These activities are driven by the ambition to convey current philosophical thinking and discourse to the public to change minds about the nature of philosophy and encourage reflective thinking. Most notable here in terms of reach are 2 research-led Philosophy MOOCs, which involved 23 permanent academic staff members engaging 568,392 learners from 197 countries. These MOOCs have been very favourably reviewed, ranking #2 of all Humanities MOOCs in 2017. The success of the MOOCs led to the creation of further online initiatives, driven by department-specific strengths, including 2 online MScs *(Philosophy, Science and Religion and Epistemology* and *Ethics and Mind)*, as well as 3 further MOOCs: *Intellectual Humility*, *Know thyself*, and *Philosophy, Science and Religion*.

Our impact strategy has robust institutional support. Knowledge exchange and engagement to secure impact is treated as a core part of research, and Philosophy has extensive institutional resources to support and document it. A KEI strategic plan is agreed each year by the research committee, and individual philosophy staff members discuss their KEI activities and goals as part of annual review. The Knowledge Exchange and Impact (KEI) Director for the School (Sprevak) is from Philosophy, and KEI is also supported by 5 professional services staff (see Section 1). PPLS has invested in 5 new professional support roles (a Knowledge Exchange Manager, a PURE, Impact and Open Access Administrator, a Communications Officer, and 2 Learning Technologists). This team has provided specialised support to researchers in planning activities, developing resources, liaising with external partners, and tracking impact. The School has also appointed 3 impact fellows over the course of the REF cycle who have provided critical support to specific impact projects. The Fellows built a network of teachers engaging with philosophy (OPEN Scotland), created an external-facing consultancy business to share philosophical expertise on critical thinking (Question First), and helped summarise Edinburgh research for the wider public (creating @Edinburgh summaries for our MOOCs). Staff and PG students have access to extensive training, including School and College-led training on media/policy

engagement. Grant applications are reviewed by the KEI manager to strengthen their Pathways to Impact, and a weekly KEI newsletter alerts staff and PG students to new opportunities. Impact activity is supported through a range of programmes at School and College level, with Philosophy KEI projects receiving over £20K in internal funding since May 2017 to support a wide range of activities. These institutions and practices have played a vital role in the development of our Impact Case Studies, and the wider impact activities detailed above.

Open Research, Ethics and Integrity

Edinburgh Philosophy recognises the global inequalities in access to scholarly research and believes research methods, data and outputs should be accessible, open and reproducible. In 2018, the School invested in a post to support and sustain this commitment. The PPLS Open Access administrator promotes research visibility and open practices, going beyond compliance with funders' requirements, and is responsible for training all researchers. The School also has a Data and Open Research Coordinator, Professor Kenny Smith, who ensures academics are aware of and prepared to tackle discipline-specific challenges such as the self-archiving of monographs and the lack of Open Access platforms in philosophy. He is also responsible for implementing DORA guidelines and for informing the wider academic community of any changes in local and national Open Research policies. The School has established a strategic fund to ensure publication costs are not an obstacle to research visibility. Our Open Access policy goes beyond REF requirements in covering all articles, chapters and books (when publishers allow this) published since 2014. Our investment in support for Open Access has helped Edinburgh Philosophy achieve a 100% compliance rate.

Most research in Philosophy does not raise the sorts of ethical issues monitored by ethics committees, but as a multi-disciplinary School, PPLS has a robust online ethical approval system which scrutinizes all research with the potential to raise ethical challenges. The School's dedicated Ethics Convenor is available for consultation and to guide and advise research projects. The department also plays a leading role in shaping University policy, with Vallor chairing the University's AI and Data Ethics Advisory Board, which develops University-wide guidance on data ethics for University researchers, ethics approval committees and programme leaders.

Future Priorities

Over the next 5 years, we will strengthen and consolidate our new areas of focus.

- We will position Edinburgh Philosophy as an internationally leading hub for embedding philosophical insight into emerging industries and technologies. A key area for development is the Ethics of AI, led by Vallor's Centre for Technomoral Futures. The £5M Baillie Gifford endowment will fund PhDs working in this area, starting with 5 for 2020-2021, as well as a tenure-track Chancellor's Fellowship in Philosophy. Other projects under development include Treanor's collaboration with industry leaders in engineering and engineering education, and Chirimuuta and Massimi's collaboration with the physical sciences.

- We will strengthen research and impact in the area of philosophy of race and gender, with Curry, Mason, McGlynn and Melo Lopes exploiting strong synergies with the University's new Race.ED and GenderEd networks, which bring together expertise across the social sciences, arts and humanities to shape public debate, policy and practice on race, racism, oppression and gender. Curry is on the steering committee for the Institute for Advanced Studies in the Humanities newly launched Institute Project for Decoloniality, which will spearhead interdisciplinary work in this area going forward.

- Capitalising on the appointments of Cottrell, Gill and J. Marusic, and the University's unique historical position, we will collaborate closely with scholars across the humanities and social sciences to make Edinburgh the world's leading department for Hume and the Scottish Enlightenment. This includes reflection on Hume's racism and its implications, and fostering public engagement through events and media engagement.

- We will further build our research and impact in medical ethics and the philosophy of death/dying (Cholbi, Gill and B. Marusic), which we expect to become a more salient public issue given ageing populations. We will exploit the potential for collaboration on issues of ageing and dying with Medicine, AI, Social Science and Design through the University's new Advanced Care Research Centre, established in 2020 through a £20M investment from Legal & General.

2. People

Over the REF period, Edinburgh Philosophy has been transformed by the recruitment of colleagues to 16 new posts, resulting in a cohort of 35 faculty (34.3 FTE), compared to 26 staff (23.6 FTE) submitted for REF2014. This expansion has been accompanied by a range of new measures to improve our approach to recruitment and to strengthen support for staff and PGRs, creating a vibrant, supportive and inclusive environment.

Recruitment Strategy

Our strong performance in grant funding and teaching over the REF period has enabled substantial investment in new staff. 3 main considerations informed our recruitment strategy: (1) attracting the most talented and innovative researchers; (2) achieving diversity in terms of gender, ethnicity and career stage; while (3) making particular efforts to attract applicants in exciting new areas where we have potential to make pioneering contributions to research and impact.

To achieve these goals, we developed a more rigorous recruitment, selection and onboarding process, drawing on best practice at UK and overseas universities. Our positions were designed to appeal to a maximally broad demographic, and we provided extensive information at an early stage in the recruitment process about professional and personal support for staff, including family-friendly policies and support for dual-career couples. Our shortlisting process was multi-stage, with dedicated equity checkpoints to minimise implicit bias, and our on-campus interview process was significantly expanded to ensure a more holistic view of candidates and help candidates better understand our institutional structure, policies, people and culture. We also provided significant top-up funding for moving expenses and start-up costs, and enhanced immigration and family support, making our offer as attractive as possible and ensuring a smooth transition.

These measures resulted in a range of appointments across career stages, with 4 chairs, 7 Senior Lecturers/Readers, 3 Lecturers and 2 Chancellor's Fellows (who transitioned into lectureships), and substantially improved the gender balance of appointees (7 women of 16). The appointments have also made our department more diverse, with 15 of our 16 new hires coming from outside the UK. 77% of our faculty are now from outside of the UK, representing 14 different countries. We have also made significant progress regarding ethnic diversity (see EDI section below).

Support for Staff

Edinburgh Philosophy provides a range of support for staff, enabling colleagues at all career stages to achieve ambitious goals. Staff have 40% of their time ringfenced for research and 1 semester research leave after 6 semesters' service. 20 members of staff have benefited from research leave over the REF period, enabling the completion of book manuscripts, grant applications, and progressing fundamental research. Those occupying heavily administrative roles receive extra research allowance and additional leave eligibility. For example, Head of Philosophy and those serving as School UG, PG and Research Directors receive an extra semester of sabbatical after a 3-year term, plus an additional allowance of £2,000 a year for research. We have also created more time for research through improving the efficiency of teaching and administration. Those in departmental leadership roles are supported by a full-time executive assistant. Where possible, staff arrange their teaching duties asymmetrically between semesters, thereby creating focused time for research. We have also restructured our curriculum to support research-led teaching, with a division between 3rd and 4th year that makes more advanced topics suitable for our 4th year courses.

The School provides robust support for promotions, including a draft promotion application stage, with detailed committee feedback. 13 members of staff have been promoted during the current REF period (5 to Senior Lecturer, 5 to Reader and 3 to Professor). Staff benefit from an annual review process that includes a formal meeting with a senior colleague to discuss the previous and upcoming years, and any professional development needs. The review meeting involves the discussion of research plans and support to implement them. New staff have reviews at 3 and 8 months to help them transition productively.

Academic staff benefit from a range of resources to support research and KEI activity. Staff receive £800 per year to support research (including conference travel). Staff are eligible to apply for School funding for pilot projects which can serve as springboards for larger grants. Philosophy has taken advantage of this generous scheme 9 times this REF cycle. Notable successes that began as funded pilot projects include Isaac's involvement in the Cambridge New Directions in the Philosophy of Mind project and Chrisman's Foundations of Normativity grant. Substantial funding is also available at College and University Level, including the Challenge Investment Fund, offering £15K for innovative interdisciplinary projects (Sprevak was awarded support for a project on the ethics of AI in the battlefield). Philosophy has benefitted from 4 KEI grants from the College and School. For example, Cohen's work in primary schools was supported by a College KE grant of £4.8K.

We have introduced enhanced support for our new hires and ECRs. New staff and ECRs have reduced teaching loads and are allocated a mentor. The School has a dedicated postdoctoral research network, which liaises with other similar societies in the wider University and has a representative on the School Research Committee. Postdoctoral research staff and Teaching Fellows benefit from enhanced support for training, receiving more than £10K over the REF cycle to support training events. Growth in academic posts and externally funded postdoctoral researchers has reduced our reliance on fixed-term Teaching Fellows. We have also sought to expand support for Teaching Fellows, including through allowing them access to research support funds (see above).

As our department has grown, we have fostered a collegial culture in which staff from across all areas of research and at all career stages regularly discuss and comment on one another's work. This culture has been enhanced through bi-annual staff symposia, where colleagues present research to the department, and through speaker seminars, workshops, conferences and a wide variety of work-in-progress seminars. We recently added a work-in-progress 'brown

bag' session (now online) for staff which has been a forum for lively discussion of a variety of topics, with a focus on the work of newly appointed staff.

Postgraduate Researchers

Our postgraduate researchers are an essential part of our research environment, and over the REF period we have made significant improvements to how we recruit, support and integrate them into our community. These changes have generated increases in the numbers of oncourse PGRs and completions compared to the previous REF, with 73 completions (and 71 enrolments), compared to 26 completions for REF2014.

A key investment was to expand PhD studentships, through internal funding and securing a significant endowment. Internally, the School increased its annual spend on PhD fellowships by 85%, funding both full fellowships (regardless of fee status) and top-up awards to make attractive offers to the strongest candidates. In this REF cycle we also secured 2 bequests from philosophy alumni, totalling almost £1M, which endow further recurring fellowships for research students. We have complemented this with 6 AHRC-funded Fellowships.

We have also enhanced training and support. We introduced a weekly pro-seminar for first year PGRs and an advanced seminar for late-stage students. PGRs also develop their research skills by participating in our many reading groups, work in progress sessions (including a dedicated PG work in progress session) and other research activities. All our PGRs are formally reviewed annually, meeting with their supervisory team and the PG Director. These meetings evaluate progress and establish milestones, and when students near completion the review functions as a mock viva. Our PGRs take advantage of the training provided by the Scottish Graduate School, Arts and Humanities (SGSAH), for example in 2020 3 of our PhDs delivered papers at an SGSAH training workshop.

Our research training is complemented by a programme of bi-weekly professional development seminars, offering practical advice about issues like preparing job applications or getting articles published. This training has supported PGRs in publishing in strong journals over the REF period, including *American Philosophical Quarterly*, *Australasian Journal of Philosophy*, *British Journal for the History of Philosophy*, *British Journal for the Philosophy of Science*, *Mind and Language*, *Philosophical Studies*, *Philosophy and Biology*, *Review of Philosophy and Psychology,* and *Synthese.* Our PGRs have won prestigious prizes, for example Anna Ortin Nadal was awarded the £1K annual prize for best graduate student essay from the *British Society for the History of Philosophy.* Our postgraduates receive funding and support from the School to organise high profile events. PGRs run the New Enlightenment Lecture, which brings a prominent woman philosopher to Edinburgh for a major public lecture each December, and the annual Spring Workshop on Diversity, devoted to equity issues in the profession, which has been running since 2012. Philosophy students launched the annual Mary Shepherd Philosophy Conference in 2015, focusing on addressing the systemic underrepresentation of certain groups (including women, racialised minorities and gay/transgender) in philosophy.

Our PGRs benefit from generous funding for research activities. In this REF cycle, we funded postgraduates to attend conferences 163 times. As part of our broader Continuing Professional Development (CPD) activities, our Research Office supports applications for external funding, and 19 of our PGRs have secured competitive postdoctoral research fellowships across the world (with placements at Tsinghua University [China], University of Chinese Academy of Sciences, Kansai University [Japan], Dartmouth [USA], University of York [UK] and Ruhr University [Germany] in 2019-2020 alone). Our dedicated Knowledge Exchange Office offers KEI training to postgraduates and promotes University level KE/media training opportunities.

53% of our PhDs in this cycle (39 out of 73 completions) have so far gone on to secure academic jobs. We equip PGRs for the job market through a programme of training and development seminars. When a PhD is ready to apply for jobs, we offer targeted help with applications and practice job talks. Our Student Experience Director and School Careers Advisor connect PGR students with alumni (in both academic and non-academic jobs) to better understand career development. We offer extensive training and support in teaching for our postgraduate tutors. In addition to formal training around tutorial delivery and marking, the Tutor Coordinator ensures that each tutor is formally observed each semester. A dossier is kept by the PG office to support reference letters. The department has a scheme to support tutors to gain the Edinburgh Teaching Award, an accredited route to Fellowship of the Higher Education Academy. These initiatives help maintain a strong PGR academic placement record (posted online). The academic placements of our PhDs include Birmingham, Bristol, Cologne, Cyprus, Edelstein Centre For the History of Philosophy, Science and Medicine (Jerusalem), Fudan University (Shanghai), Glasgow, Helsinki, MIT, Universidad de Talca (Chile), and Vienna.

Philosophy works to involve PGRs in its KEI initiatives. All incoming PhD researchers receive a session on KEI and have access to School and College-led training on media and policy engagement. Students and ECRs receive training from the Philosophy Foundation/SAPERE/COP (Society for the Advancement of Philosophical Enquiry and Reflection in Education and Community of Philosophical Inquiry). Edinburgh's Philosophy Think Tank, which involves a prize competition and YouTube channel, showcases the work of ECRs and PGRs. The School supports a student-led podcast run by 2 philosophy students.

Equality and Diversity

Edinburgh Philosophy values diversity and is committed to creating an inclusive environment and leading change in the profession. Over the REF period, we have supported diversity through improved recruitment practices, extensive support around equity and inclusion, and expanding the research agenda beyond the canon.

We have extensively revised our recruitment practices, with root and branch changes to the process by which positions are conceived, advertised, shortlisted and filled, and to the support for new staff before they arrive in Edinburgh and upon taking up their appointment. These changes professionalise our recruitment process and reach out to more diverse communities of philosophers to ensure that we are reaching and attracting the strongest and broadest pool of candidates. This has led to much larger pools of candidates (608 in our most recent round), enabling us to make stronger and more diverse appointments. Specifically, it resulted in a 50% increase in the percentage of female appointments (from 5 in a cohort of 24 in REF 2014, to 7 of 16 of the appointments made in this REF cycle), to achieve an overall representation of 34.3%, which is 13% higher than the UK average for philosophy departments (HESA 2018). Our approach also dramatically increased the proportion of staff who belong to ethnic minorities, with 14.3% of current staff reporting BME status; this is proportionally higher than the UK population and more than double the UK average for philosophy departments (6.6%, HESA 2018).

By formalising best practice, we have strengthened staff and student support and created a more inclusive culture. Through earning an Athena SWAN Bronze award and ongoing work to achieve Silver, we secured institutional support for a broad range of equity initiatives. This formal institutional support includes automatic 50% reductions in non-research workload for 1 semester for those returning from maternity leave; this was introduced in 2017 and 3 members of staff have benefited. The School introduced flexible working arrangements so staff can work around caring responsibilities, with 7 colleagues benefiting since 2014. We made significant improvements to the family-friendliness of research activity; for example, our main speaker

series and 3 cluster-specific seminar series were moved from evening hours into the working day. We also revised our workload allocation model to ensure that service tasks that fall more on women and minority philosophers, such as serving on hiring committees to ensure broad representation, are appropriately compensated. Since March 2015 we have been members of the BPA/SWIP Good Practice Scheme, implementing agreed guidelines around gender bias, conferences and seminar series, sexual harassment, staff-student relationships and support for caregivers. Compliance with Athena Swan and BPA/SWIP requirements, and continued enhancement of best practice, is ensured by a dedicated Gender Climate Convenor/Equality, Diversity and Inclusion Director, who is a senior member of the Philosophy management team. We also organise compulsory annual training for postgraduate students, tutors and academic staff, focusing both on refreshing existing knowledge and exploring emerging EDI issues. Finally, we provide significant support to recurring annual conferences (described above) and to the Edinburgh Women in Philosophy Group (ca. £15k in this REF cycle).

In line with the UoE REF 2021 Code of Practice, we have adopted an inclusive approach to defining 'independent researcher' and have embraced the decision to return 100% of eligible academic staff. We adopted a rigorous, fair and transparent approach to selecting outputs, fully accounting for staff special circumstances where these have affected research activity. The process took full account of E&D considerations, building in unconscious bias and E&D training. We also set up an independent E&D group to review the distribution of outputs across staff by gender and career stage, noting that we were unable to access accurate data on other protected characteristics because of the voluntary nature of the data and constraints on updating personal details. The result of this review demonstrated a balanced spread of outputs across gender and career stage: 27% of outputs were authored by female staff (who comprise 32% of our staff, including eligible former staff); 50% by SL/Readers (who comprise 55% of our staff) and 17% by Lecturers (who comprise 18% of our staff). Overall, 66% of our staff contributed 2 or more outputs. This indicates how our inclusive approach to research support has enabled staff to flourish across gender and career stages.

3. Income, infrastructure and facilities

Grant Funding

Edinburgh Philosophy has seen substantial growth in grant funding, with a fourfold rise compared to REF2014, from £1M to £4M. We have secured funding from a wide range of funding bodies, including AHRC, EU (European Research Council and Marie Skłodowska- Curie Fellowships), Leverhulme Trust, the Royal Society of Edinburgh, and the John Templeton Foundation. Funding has been well distributed across staff, with 17 colleagues winning external funding across all 6 of our research clusters; and grant successes spread across early career (for example, Todd's *Free Will and Divine Foreknowledge* project funded by Templeton (£96K)) and senior staff (for example, Massimi's *Perspectival Realism* ERC grant (€1.6M)). These grants have ranged from large collaborative projects (e.g. the *History of Distributed Cognition* project, AHRC (£600K)) to smaller projects, including both individual and network grants (including *Living Organisms and their Choices* funded by The Royal Society of Edinburgh, and the DIAPHORA Marie Curie (part of an international ITN European Training Network grant, c. €3.7M) respectively). Philosophy has also benefitted from the £5M Baille Gifford investment in the Centre for Technomoral Futures.

An important element of our strategy has been supporting the development of larger grants through seed funding. Staff can apply twice-yearly for School seed funding for pilot studies and bid development (up to £3K). For example, Massimi's ERC grant built on seed funding from the

Institute for Advanced Studies in the Humanities, which funded a programme of workshops and conferences to foster collaborative partnerships across philosophy and the natural sciences, including on modelling and data in particle physics, and computational approaches to the mind.

Grant funding has supported some of our most fruitful collaborations and KEI activities, such as Clark's *Expecting Ourselves* project (£900K, ERC). Sprevak collaborated with Classics on *History of Distributed Cognition* (see above). Sprevak helped secure £83K for the pilot project on AI and government decision-making detailed in Section 1. Other grants underpin important KEI work; for example, Pritchard's *Intellectual Humility* grant (£400K, Templeton) funded one of our MOOCs. Our broader online learning activities were also supported through a Templeton grant (£1.5M) which Pritchard secured in collaboration with Divinity. The grant supported the development of online learning, enabling us to recruit 2 postdoctoral fellows.

These successes have been achieved with the support of a substantially expanded School Research Office, which has grown from 1.8 to 4.8 FTE. The Research Office provides professional advice to staff, matching ideas to funders and calls, advising on applications, preparing budgets and brokering internal peer review. This support is complemented by the University-wide Edinburgh Research Office (ERO), which offers specialised intelligence, training and guidance on funding, including disseminating funding opportunities, advising on funder terms and conditions, providing advice on impact, knowledge exchange and commercialization issues, and curating an extensive bank of successful proposals. ERO runs an events programme, including funder visits, interdisciplinary thematic networking meetings, and a learning and development programme.

Infrastructure and Facilities

Philosophy is located in the Dugald Stewart Building, built specifically for the department in 2011 (ca. £42M). The design of the building was informed by extensive consultation with academic staff, and the architecture is intended to support both independent and collaborative research, with generous private offices with extensive natural lighting linked by abundant circulation, socialising and seminar spaces. Academic staff in Philosophy occupy 3 floors in this building, and there are multiple seminar spaces and small team meeting rooms embedded within the departmental fabric, as well as 2 rooms dedicated to hosting academic visitors. Over the past 5 years, the University has invested a further £193K to accommodate our rapidly expanding staff, including through converting other space into new offices.

The University of Edinburgh has one of the UK's largest research libraries, with 2M print books, 185K e-journals and 1.4M e-books and a dedicated Philosophy and Psychology library within the School with over 5K volumes. The department is a 5-minute walk from the National Library of Scotland, one of 6 legal copyright libraries in the United Kingdom, which has extensive holdings not only of archival texts but of contemporary academic works.

Philosophy offers exceptional facilities and financial support for PGRs. Our PhD researchers are offered desk space, a MacBook laptop, a locker, and a swipe card giving them 24hr office access. They have generous administrative support, including free printing, copying and stationery, and they can apply to the School Research Support Grants scheme to attend conferences. PGRs can apply to the School Training and Development Fund for support for activities developing research skills. The latter supports student-led initiatives and community building amongst our PGRs. The School has its own PG Office staffed by 3 experienced full-time administrators, located on the same floor as the PhD office space.

4. Collaboration and contribution to the research base, economy and society

Edinburgh Philosophy has made significant contributions to the research infrastructure of the discipline, spanning collaboration, engagement with wider audiences, editorial work, and work through learned societies.

Collaboration

We strongly support collaboration, both with interdisciplinary partners and with philosophers at other institutions. Over the REF period our grants have included 24 named academics from across 20 different Higher Education Institutions (HEIs). We have an official exchange agreement with Dartmouth College, and under its auspices we exchange staff every year. In this REF cycle, Massimi, Sprevak, Todd and Treanor made research exchange visits to European partner universities, supported by Edinburgh's International Office and the Erasmus+ Scheme. Several members of academic staff (Isaac, Mason, Treanor, Wolff) were awarded visiting fellowships in this REF cycle at international universities. The University has also signed a MOU with the Chinese Academy of Social Sciences in Beijing, to support academic exchanges in philosophy and a major biannual conference. Many philosophers at Edinburgh engage in interdisciplinary research, most notably with psychology, linguistics, sociology, history, classics, law, politics, divinity and neuroscience. For example, Curry has co-authored with a sociologist, Chirimuuta publishes in neuroscience journals, and Rabern has co-authored philosophical logic papers with a mathematician and edited a major collection of papers with a team of linguists. In the current REF cycle our grant activity has involved partnership with 26 other universities and 5 industry partners.

Engaging with Wider Audiences

Our KEI activities have built lasting collaborative relationships with educators, from pre-school through to higher education. Staff from across research groups have engaged with children through a series of early years sessions. *Philosophy in the Playground* focuses on pre-school and nursery children, parents, and workers (Mason, Vierkant, Lavelle, Sprevak). The department has links with local primary and secondary pupils with staff visiting to introduce ideas, methods, and discussion. In 2019, Mason was invited to advise Edinburgh Council on curriculum development in schools and their health and well-being project. Massimi's summer schools with the local George Heriot's School were showcased as part of the school's successful bid for the Gold Award of the Society for the Advancement of Philosophical Enquiry and Reflection in Education, the first primary school in Scotland to achieve this for teaching philosophy in school. Ward instituted a professional development programme for secondary teachers in 2016 at Firrhill High School in Edinburgh. Sprevak developed a set of freely available teaching resources and teaching plans for online safety, based on his work on the Turing test (2017; 4 schools). The OPEN Scotland network, created by Watson, brings together philosophers and teachers from across Scotland to share resources and ideas, and has provided free Sapere P4C training and resources for teachers. We have influenced university education outside of philosophy and the humanities, for example through Treanor and Vallor's collaboration with Edinburgh University's Schools of Business and Engineering on a joint MSc degree that brings philosophical insight to bear on the management of major engineering projects. Philosophy also works with the University Widening Participation Team to support broader participation. We do this through engagement with an annual Sutton Trust summer school and workshops for the Widening Participation Team's primary school programme. The Sutton Trust Summer School is a week-long event for high-school students from under-privileged families considering university. Through a series of talks, we give students an idea of what philosophy is like and the kinds of

subjects Edinburgh Philosophy offers. This work illustrates our emphasis on building enduring relationships and capacity for philosophy in schools to flourish and grow.

Philosophy staff have influenced public discourse and understanding through multiple media, including television, radio, and public talks. Massimi appeared 4 times on BBC's *In Our Time*, and has written for *The Guardian*, *Aeon*, *La Repubblica*, *Sanlian Life Weekly,* and *Quanta*. Staff have given public talks at festivals including *How the Light Gets In*, the Edinburgh Fringe Festival, the Dundee Science Festival, the Aberdeen May Festival, and the Edinburgh International Science Festival. These activities have included creative methods of dissemination. For example, Fletcher and Mason both did stand-up comedy routines as a vehicle for discussing their work with Fringe audiences. Fletcher has also appeared on STV's *The Late Show* to discuss happiness and well-being, BBC4's *The Digital Human* to discuss online vigilantes, and in 2016 was invited to run a study evening on the Army Leadership Code for 3 RIFLES regiment in Edinburgh. Clark's body of work on distributed cognition has been featured in high-profile media, including in-depth profiles in *The New York Times* and *The New Yorker* and PBS Radio (US), ABC Radio (Australia) and CBC Radio (Canada). Clark's research has also featured heavily in articles on topical issues including the ethics of the FBI accessing smartphones (*Slate*), how memory works (*The New York Times*) and the future of Cyborgs and AI (*Wired*).

We have built collaborative relationships with politicians, the media and social activists to help improve public dialogue. Chrisman has drawn on his work in political philosophy, philosophy of language and social epistemology to engage with the Royal Society of Edinburgh's Young Academy of Scotland's project on disagreement, debate and renewing democracy. He organised a one-day event in May 2019 with politicians, media, campaigners, activists and academics to share experiences and propose principles for drafting a Charter for Responsible Public Debate. This was followed up with a series of public workshops refining and promoting the charter at the Edinburgh Fringe Festival, Edinburgh Festival of Politics, MilleniFest and a Learning for Sustainability workshop.

Editorial Work

Our staff serve as editors on a wide range of journals, including *Analysis*, *Boston Studies in the Philosophy of Science, British Journal for the History of Philosophy, Episteme, Ergo*, *Ethics*, *Journal for Sociotechnical Critique*, *Journal of the American Philosophical Association*, *Journal of Applied Philosophy*, *Journal of Ethics and Social Philosophy*, *Oxford Bibliographies Online*, *Metaphilosophy*, *Linguistics and Philosophy*, *Philosophy Compass*, *Philosophy of Science Philosophical Quarterly*, *Race*, *Social Theory and Practice*, *Synthese*, *Thought*, and *Utilitas.*

Learned Societies

Several colleagues occupy positions in learned societies. Clark is a Fellow of the British Academy. Massimi is a member of the Academia Europaea, a Fellow of the Royal Astronomical Society, former (2015-2019) Vice President of the European Philosophy of Science Association, and president-elect of the Philosophy of Science Association. Clark, Massimi, and Pritchard are Fellows of the Royal Society of Edinburgh. Chrisman is a member of the Young Academy of Scotland. Cohen is an executive member of The British Society for the History of Philosophy, Treanor of the Scots Philosophical Association, and Roberts (Mind), Rabern and Todd (Scots Phil Association) served on executive committees within this REF cycle. Cholbi is the founding member of International Association for the Philosophy of Death and Dying. Curry is the President of Philosophy Born of Struggle. Vallor is on the Board of Directors at the Foundation for Responsible Robotics (the Hague), and serves on the Ethics and Regulatory Working Group

for Scotland's AI Strategy. Vallor served on 2 panels in the World Science Festival 2019, including one with Garry Kasparov and Turing Award winner Yann LeCun, NYC.

Keynote Addresses and Prizes

Colleagues have given 44 keynote addresses at major conferences in 17 different countries, including Cohen's keynote at the International Kant Conference and Massimi's keynote at the British Society for the Philosophy of Science. Colleagues have also been recognised with several prestigious prizes. Curry's *The Man-Not* (2017) won the American Book Prize; Curry's *Another White Man's Burden* won the Josiah Royce Society's Josiah Royce Prize in American Idealist Thought; Gill's "Shaftesbury on Life as a Work of Art" won the 'best article' prize for *British Journal for the History of Philosophy;* B. Marusic's *Evidence and Agency* (2016) won the Sanders Book Prize; Massimi won the Wilkins-Bernal-Medawar Medal for her work in the philosophy of science; Smith's "Why Throwing 92 Heads in a Row is Not Surprising" (2016) won the Sander's Prize for Public Philosophy; and Vallor won the World Technology Award in 2015 for her *Technology and the Virtues*.