JOHN FELL OUP RESEARCH FUND

Report for 2016-2017

Abstract

£5 million per annum is transferred from Oxford University Press to create the John Fell OUP Research Fund. This report provides a summary of applications and awards made during 2016-17, and includes analyses from all years since the fund was established in 2006.

John Fell Team, Research Services

Executive Summary

Since the financial year 2005-06, Oxford University Press has transferred £5m per annum to create the John Fell OUP Research Fund. The Fund is intended to foster creativity and a proactive approach to research opportunities in all subject areas, by making pump-priming and start-up grants, and providing staff and funds to stimulate applications to external funding agencies. The Fell Fund supports key strategic research aims within the Collegiate University, which include developing global reach and promoting interdisciplinary collaboration. The Fund is administered by the John Fell OUP Research Fund Committee, which also makes awards out of the Capital Fund for strategic equipment purposes.

In 2016-17, the Committee received 335 applications for small and main awards excluding the Divisional Awards, and allocated the following sums out of the John Fell Fund and Capital Fund:

Category of award	Purpose	Number of awards	Amount Awarded (John Fell Fund) (£k)	Amount Awarded (Capital Fund) (£k)
A	Proof-of-concept projects	79	2,576	0
B	Early career researchers	46	701	0
C	Other academic activities likely to lead to new research initiatives	24	186	0
D	Research facilitators	1	180	0
E	'Matching' contributions to help leverage funding from external bodies	21	454	0
F	Strategic investment in equipment	3	0	523
	TOTAL	174	4,097	523

61 'main' awards (that is, grants above £7,500) were made for projects falling under the first three categories above: by value, this represents 39% of the amount requested by applicants for these purposes over the course of the year.

Figure 1 shows the number of main and small awards supported and amount awarded by category in 2016/2017, and Figure 2 shows the same data for all years of the fund, to the end of 2016/17.

Figure 1

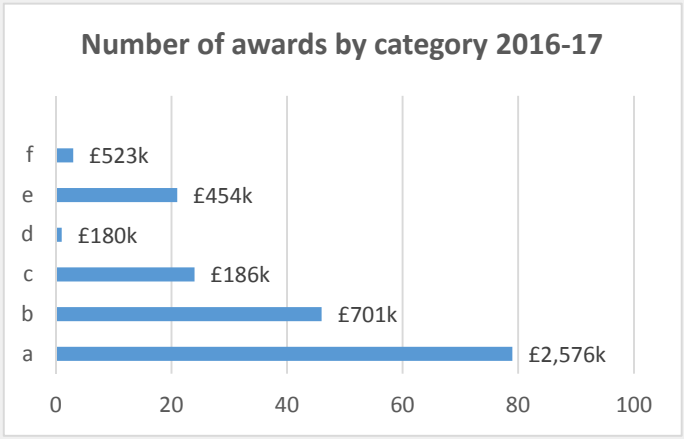
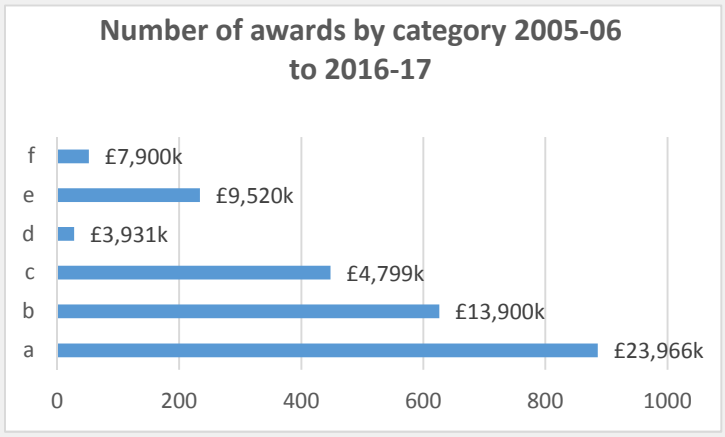


Figure 2



Some of the awards made under category f (strategic investment in equipment) are met out of the University's Capital Fund, on the recommendation of the John Fell Committee, under arrangements agreed by the Planning and Resource Allocation Committee. These arrangements supplement the funds available to the John Fell Committee to support applications for major pieces of research equipment.

Of the £5m per annum available for the John Fell Fund, £250k is set aside for each of the four academic divisions for division-specific purposes that cannot readily be met within the categories of award outlined above. The divisions use these in different ways, purposes include: provision of start-up funding to establish the research of new senior academic appointees; match funding for external and part-funded early career fellowships; and support for strategic and interdisciplinary initiatives. Balances that are not spent in one year may be carried forward to another, up to an agreed limit on balances of £500k. In 2016-17, 11 awards were made, and a total of £677k was allocated.

The total amount awarded by the John Fell Fund for main, small and divisional awards in 2016-2017 was £4.773m, excluding awards from the Capital Fund. In addition, £0.523m was awarded from the Capital Fund, making a total of £5.296m awarded by the Fell Fund Committee.

The John Fell Committee collects final reports on projects that have finished. Reports have been received to date on 1,617 projects, which received a total of £34.98m from the Fell Fund. Overall, projects had leveraged reported further income from

other sources totalling £222m for projects that ended up to March 2015. Those figures suggest that, on average, Fell Fund awards leverage other funding at a ratio of up to 1:10[1].

From 2015 onwards, analysis has been undertaken on the distribution of applications and awards by gender. Results show that the cumulative percentage success rates (2005/6 to 2016/17) are broadly similar, at 57% for men and 60% for women, the figures for 2016-17 show success rates of 48% for men and 56% for women (details are set out in section 31 of the report).

During 2016-17, the Fell Fund application form was moved to the new IRAMS system, providing applicants with an updated interface, which is also used by divisions and Research Services for a range of other internal funds, providing a single portal for academics to use to access these opportunities.

[1] Data are currently unavailable in a systematically consistent manner for leveraged income from projects which reported since December 2016, and projects with end dates more recent than March 2015, due to system issues which are under investigation. A review of reporting mechanisms for Fell Fund awards is anticipated in MT2018, to improve the capture of outputs information which will also include information about further funding and leverage.

JOHN FELL OUP RESEARCH FUND

Report for 2016-2017

Purpose of the Fund

1. Oxford University Press transferrs £5m per annum to create the John Fell OUP Research Fund. The Fund is intended to foster creativity and a proactive approach to research opportunities in all subject areas, and particularly in interdisciplinary fields. It makes pump-priming and start-up grants, and provides staff and funds to stimulate applications to external funding agencies. The Fund is intended to complement schemes offered by external research funding bodies. The Fund was launched in February 2006, and is named after John Fell, Dean of Christ Church, Vice-Chancellor (1666-9), Bishop of Oxford, and 'father' of the modern Press.

2. Details of the fund's operation are given on the John Fell website at https://researchsupport.admin.ox.ac.uk/funding/internal/jff

Applications to the Fund

3. The Fund is open to both academic and service units (although the bulk of applications and awards are from the academic divisions) and applicants should normally be a current employee of the collegiate university. All subject areas are encouraged to apply, and interdisciplinary and/or cross-divisional projects are especially welcome. Applications from colleges or service units must be routed through the academic departments in order to be reviewed by the most relevant division(s) prior to consideration by the Committee.

Assessment criteria

4. All awards made to the John Fell Fund are assessed against the following criteria:
    - Excellence and intrinsic merit of research
    - Potential for long term sustainability and academic impact of the project
    - Relevance to the departmental and divisional research strategy
    - Necessity for John Fell funding versus other sources of funding
    - Value for money, noting in particular the potential for shared use of equipment and other facilities.

Award Streams

5. There are three award streams within the John Fell Fund:
    i. **Main Award Scheme** - Applications under this scheme must be for over £7,500. There is no upper limit on the value of awards, but the strength of the academic and strategic case needs to be commensurate with the sum requested. Approximately £3.4m per annum is allocated in main awards.
    ii. **Small Award Scheme** - Requests to this scheme must not exceed £7,500. A budget is set aside for each of the four academic divisions, with a combined total of £0.6m p.a.
    iii. **Divisional awards** – A budget of £250k is set aside for each of the four academic divisions to meet special needs, giving a total of £1m p.a.

Main and small awards

6. Since the inception of the fund, applications have been invited for any of the purposes (a) to (e) listed below. In 2010, a sixth category (f) was added to cover applications for strategic investment in equipment.

    (a) **Pump-priming** for innovative projects and proof-of-concept work, especially of an interdisciplinary nature, that is currently at too early a stage to put to an external sponsor, where an award from the Fell Fund can bring the project to a stage at which a strong application for external funds can be made towards the end of the period of the award.

    (b) **Start-up funds for applicants who are in the early stages of their research careers** and are within their first five years in post at Oxford, to accelerate establishment of their research and scholarship.

(c) **Other academic activities** - e.g. seminar series, international interactions - likely to lead to new research initiatives.

(d) **Research facilitators**, i.e. administrators who are experts regarding sources of research funding, and develop and/or assist with the preparation of bids to external sponsors, e.g. by mentoring academics, and/or facilitating collaboration.

(e) **Support related to bids for external funding**, especially matching funds, normally in the form of a contribution towards a proposal that is about to be submitted to an external sponsor in order to meet sponsor terms and conditions or to enhance the chances of success: in such cases any award is contingent on the success of the external bid.

(f) **Strategic investment**, for projects of a major strategic nature where a contribution of over £100k is sought towards the cost of equipment (and, where necessary, associated refurbishment). For such projects, a contribution of up to 50% of the direct costs of the project (excluding any anticipated external contribution) may be available from the Capital Fund; the department or division is expected to contribute to the direct costs, and may also seek an element from the John Fell Fund.

7. Under categories (a) – (e), which are funded out of the John Fell Fund, applications under the above headings may be made for either 'main awards' (over £7.5k) or 'small awards' (less than £7.5k).

8. For category (f), PRAC has agreed to make available additional sums of up to £1m p.a. out of the University Capital Fund for strategic investment in research assets, and asked the John Fell Committee to administer this allocation.[2]

Divisional allocations.

9. In 2005-6 and 2006-7, all of the £5m John Fell Fund available annually was allocated under the criteria given at 4 above, excluding category (f) which was newly established in 2010/2011. Since 2007-8, and for each subsequent year, £4m has continued to be used in this way, while £1m has been set aside to provide a sum of £250k for each of the four academic divisions, to meet special requirements that could not be met through the existing categories under 4 above. The use of these allocations is identified by the division and is subject to endorsement by the John Fell Committee. The divisions use the funds as follows:

(a) Humanities - to match external and part-funded early career fellowship applications;

(b) Medical Sciences – mainly to purchase large items of equipment, often as part of the recruitment packages of senior academics and to support other strategic projects;

(c) MPLS - for the recruitment packages of senior academics and to match major external grant applications; and

(d) Social Sciences – to support major interdisciplinary research projects, matching awards for external bids, enhancing the divisional small award budget, and strategic initiatives.

10. A review of the use of Divisional Allocations and their future was carried out in Michaelmas Term 2012 whereby each division commented on the broad purposes for which the division had used its allocation, how its allocation contributed to the implementation of the divisional research strategy, and whether the scheme was effective and should continue. The responses from divisions showed that this was a valuable source of funding and the allocation of £250k to each division was approved for a further 5 years from 2012-13.

Allocation of funds

11. The John Fell OUP Research Fund Committee oversees the Fund, reporting jointly to the Planning and Research Allocation Committee and to the Research and Innovation Committee. The John Fell Committee is chaired by the Pro-Vice-Chancellor (Research & Innovation), Professor I.A. Walmsley. The other members of the Committee in 2016-17 were Professor W. James, Pro-Vice-Chancellor (Planning and Resources), Professor C. Deane (MPLS Division), Professor D. Grimley (Humanities Division), Professor R. Goodman (Social Sciences Division),

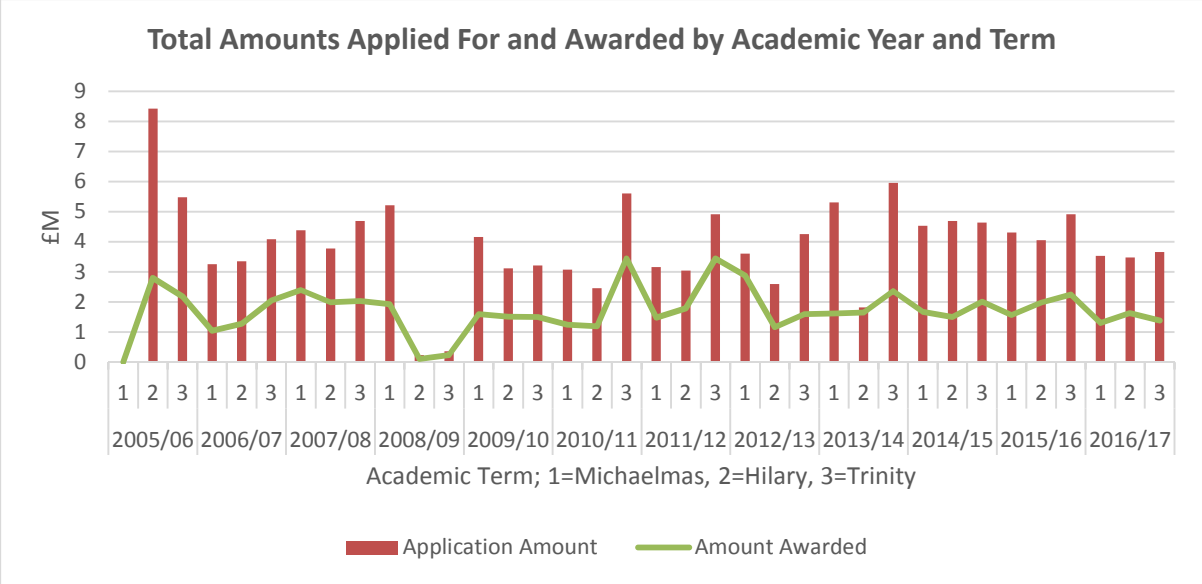
[2] The next tranche of funds from the University Capital Fund is due to be made available for the academic year 2019/20.

Professor M. Pollard (Social Sciences Division), Professor S. Robinson (MPLS Division), Professor A. Simmons (Medical Sciences Division, Professor A. Williams (Humanities Division), and Professor M. Wood (Medical Sciences Division).

12. Broadly speaking, the Committee has worked on the basis of total commitments made in a given year, the £5m transferred by OUP in March 2006 being treated as available for allocation in 2005-6, and so on, so that in 2016-17 the Committee allocated the funds expected in March 2017. Not all funds are however spent immediately, some awards being for projects lasting for more than one year, and expenditure inevitably lags behind commitments for that reason.

13. Applications to the Fund are submitted to the relevant Academic Division which, through a Divisional Research Committee (or similar), reviews the academic quality of the applications received. Recommendations on the research projects which the Division wishes to support are put forward to the John Fell Committee for approval in priority order. Applications recommended for support usually far exceed the amount of funding available. Figure 3 shows the application and award amounts for main and small awards since the Fund began in 2005-6.

Figure 3



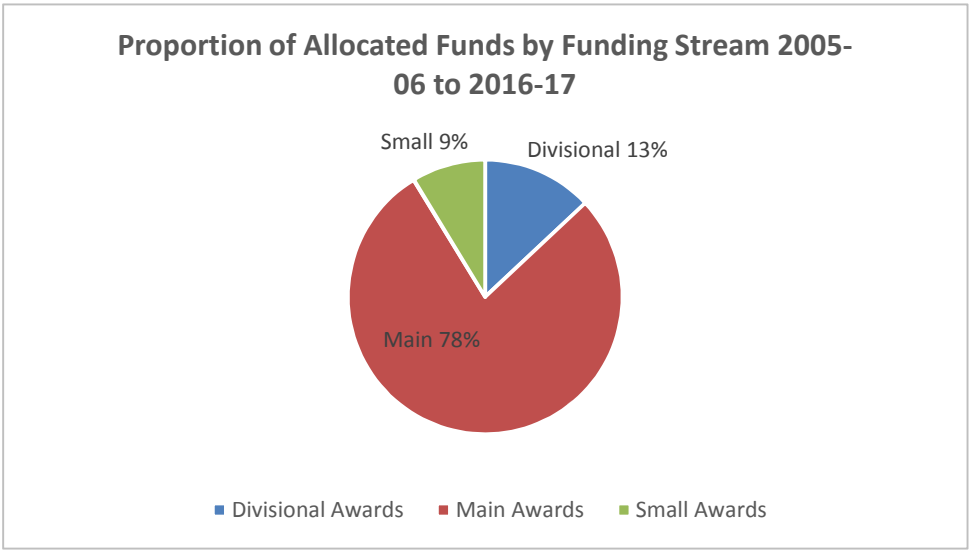
Note: An audit of the fund was carried out in Hilary and Trinity Term 2009 and no main awards were made during these terms.

Awards Made to Date

14. The total sum made available to the John Fell Fund for categories (a) to (e) up to the end of 2016-17 was £61,216k, consisting of £60m over twelve years from OUP. Additionally £1,216k was allocated to the John Fell Fund from the sale of shares from spin-out companies (10% of such sales income being used to enhance the John Fell Fund). Of that £1,216k the John Fell Committee agreed to put £400k towards category (f) awards on a one-off basis, leaving £816k to be allocated through the other award categories. The grand total of funds committed up to the end of 2016-17, excluding category (f), is £59,969k of the £60,816k. The unallocated budget was brought forward into 2017/18, being mainly in those parts of the Fund dedicated to the four academic divisions' priorities, and to a lesser extent the divisional small awards streams.

Figure 4 shows the proportion of these commitments split by funding stream.

Figure 4



Figures 5 and 6 show applications and awards for main and small awards out of the John Fell Fund by both volume and value, by division, for all years of the fund to 2016-17. (Note: "OTHER" includes Academic Collections and Services (now re-named GLAM), Central Administration, Continuing Education and University Administration and Services)

Figure 5

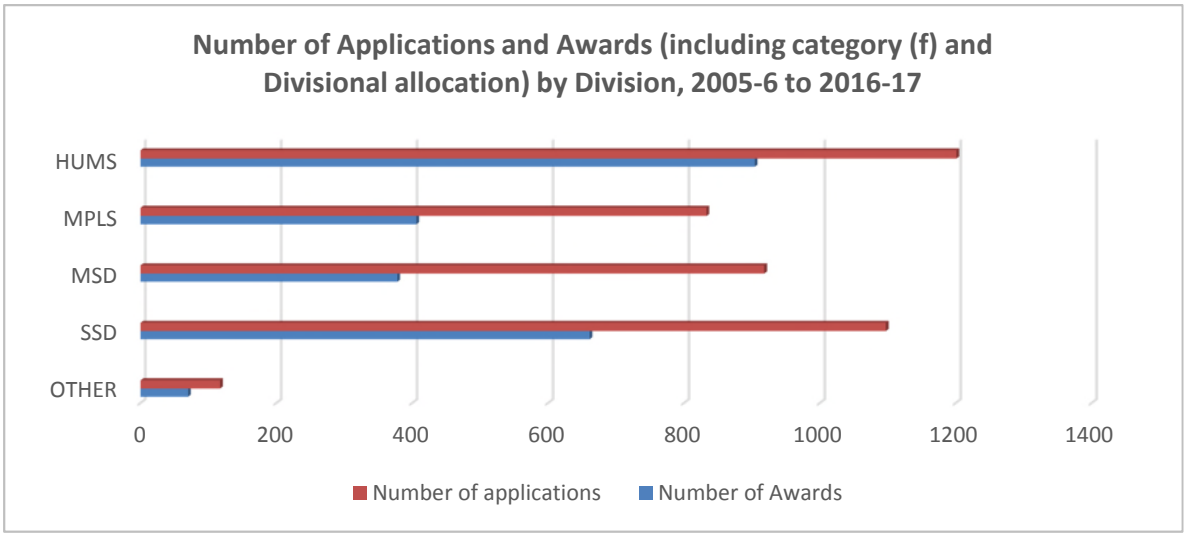
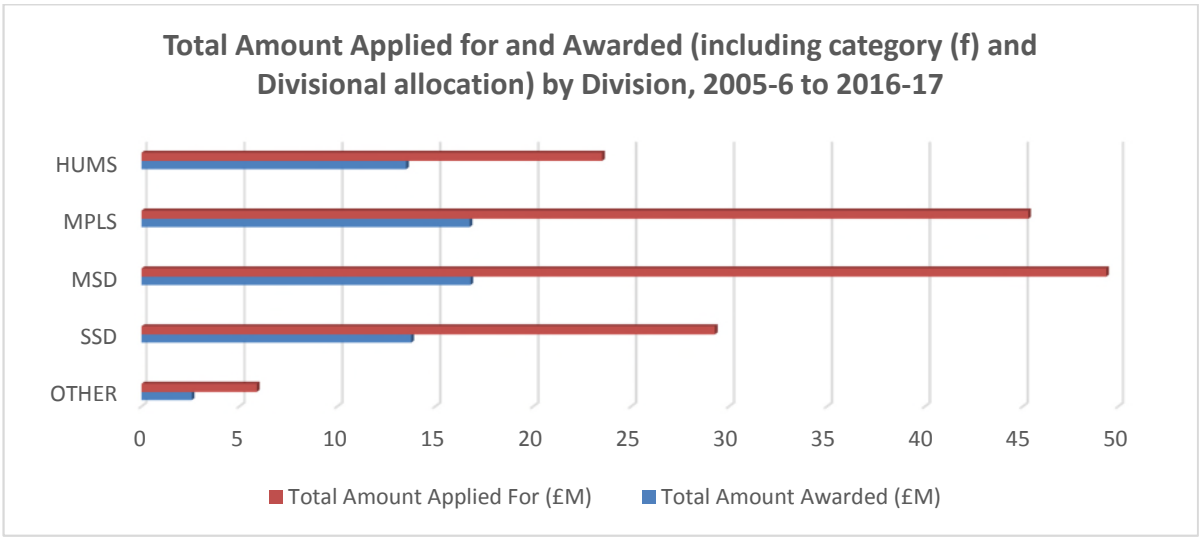


Figure 6



Awards made in 2016-17

15. The main and small grants, excluding the Divisional Awards, awarded by the John Fell Fund during the academic year 2016-17 amount to a total of £4,440k (including category (f)).

Figures 7 and 8 below show the balance of these main and small awards between divisions for this year by both volume and value, including the Divisional Awards.

Figure 7

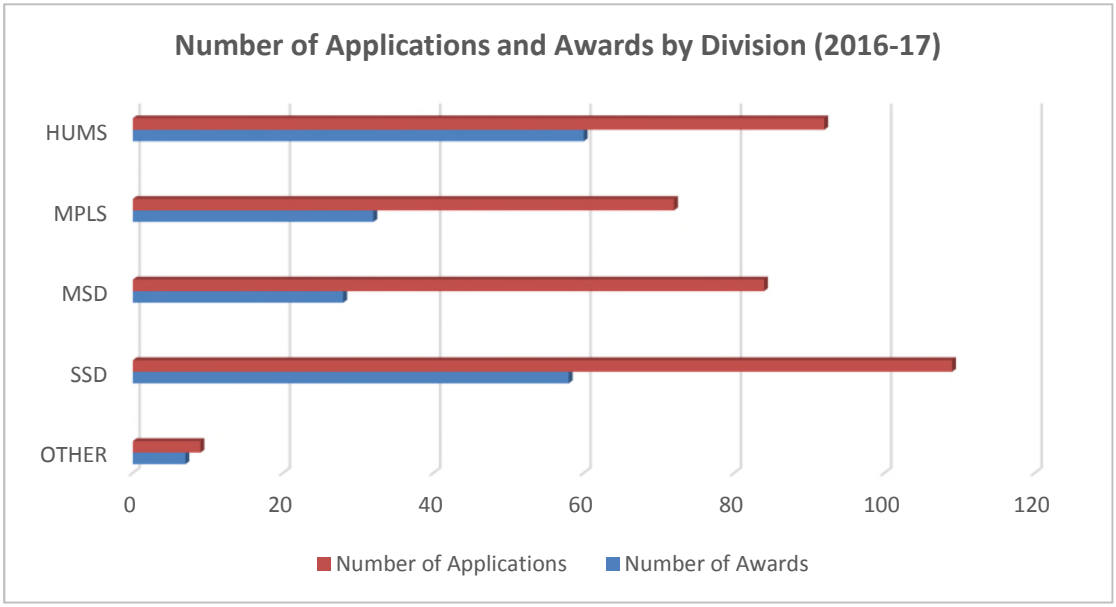
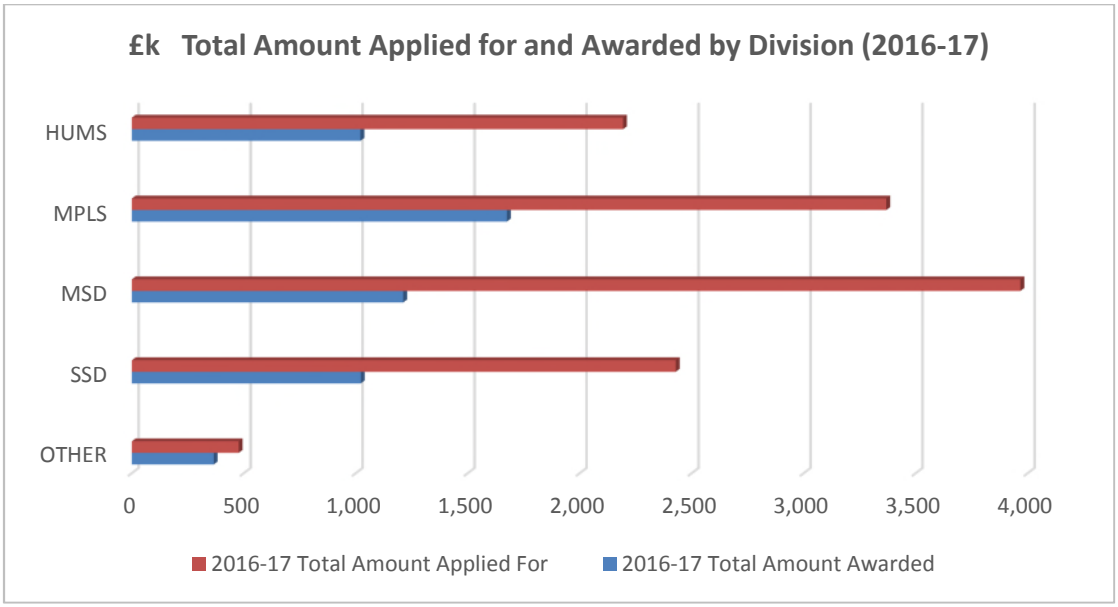


Figure 8



16. The percentage success rates for 2016-2017 show that for awards made out of the John Fell Fund, the Mathematical and Physical Sciences Division received the largest share of funding across the whole fund, with 31% of awards by value. Application rates remained high in all academic divisions, illustrating consistently high demand for support from the Fund, and the highly competitive nature of awards made.

Division	£k total applied for	£k total awarded	% success within Division	% success across Fund
OTHER	477	366	77%	7%
HUMS	2,193	1,021	47%	19%
MPLS	3,369	1,675	50%	32%
MSD	3,967	1,212	31%	23%
SSD	2,429	1,023	42%	19%
TOTAL	12,435	5,296		100%

17. Of the total of £5,296k allocated out of the John Fell Fund (including the Capital Fund), £3,827k was allocated for grants in categories (a) to (c), and £1,468k for categories (d), (e) and (f). Examples of 2016-17 awards are listed in Annexe A, while a full list of awards made can be found on the John Fell website at: https://researchsupport.admin.ox.ac.uk/funding/internal/jff/awards

18. Figures 9 and 10 below show the number of awards made and the amount awarded, for all main and small awards in all categories (including cat (f) awards from the John Fell Fund excluding Capital Fund money) in 2016-17, by Division. These charts illustrate the differing demands placed on the fund across different disciplines.

Figure 9

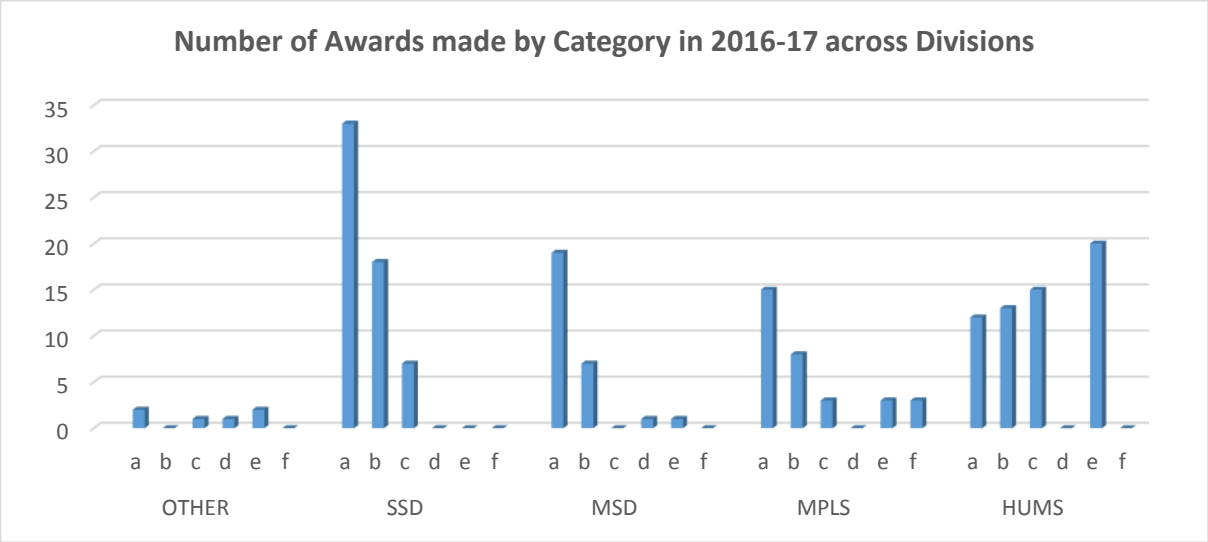
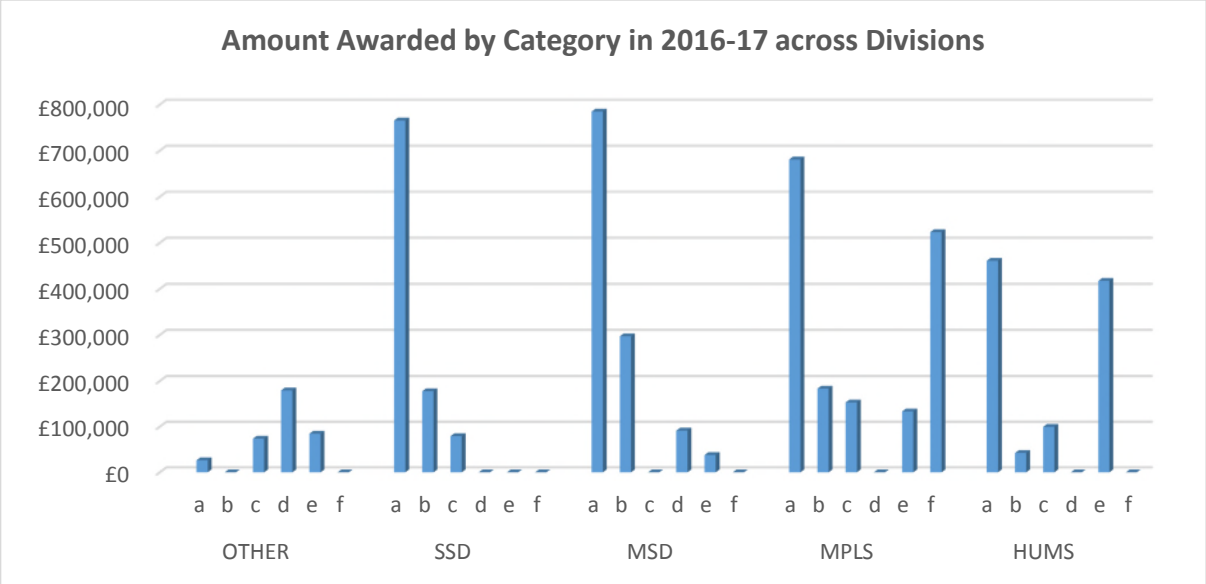


Figure 10



19. In addition to the above, the John Fell Committee allocated a total of £523k under category (f) out of the Capital Fund. In 2016/17 all £523k was awarded to projects in the Mathematical and Physical Sciences Division (see para. 25).

Pump-priming (a), early career grants (b) and other academic activities (c)

20. Within categories (a) to (c), 61 main awards have been made for a total of £2,969k in 2016/17. By value, this represents 39% of the amount requested by applicants over the course of the year. Awards have been made to researchers across a wide range of disciplines in all divisions. Small awards in categories (a) to (c) total £859k (93 awards).

21. Out of the total of £3,827k referred to in para. 17 above, £493k was allocated in small grants (up to £7.5k each) for a range of pump-priming projects, support for early career researchers, and other academic activities. These are especially important for individuals in the Humanities and Social Sciences, where a relatively small sum can often have a disproportionate benefit, and these two divisions receive a higher annual budget for small awards than the MPLS and Medical Sciences Divisions. The latter two divisions, by contrast, tend to receive a higher proportion of the funds available for main awards, reflecting the larger sums often needed for laboratory based research. The Committee has largely devolved responsibility for decisions on small grant applications to each division, within a set budget, subject to approval by the Chair.

Research Facilitators (d)

22. Within category (d), research facilitator posts have been created with the aim of providing a network of support to maximise the University's response to research opportunities. A research facilitator is an administrative postholder who supports the development of research through the establishment of collaborations and/or the preparation of bids for external funding. The Committee funds research facilitators with a wide strategic/thematic role, and will not normally support a post in a single department. Research facilitators are supported from the Fund for a limited term only: if facilitator posts are to continue in the long term, the relevant departments and/or divisions are expected to identify other sources of funding to support the posts.

23. Five applications for a total of £470k were made in the course of 2016-17 for research facilitator posts within the Gardens, Libraries and Museums - GLAM (previously ASUC), Central Administration, Mathematical and Physical Sciences, and Medical Sciences Division; 2 of these were successful in gaining funding from the John Fell Fund for a total value of £271k.

Grants associated with external funding (e)

24. In category (e), 26 main and small awards were allocated for a total of £674k. The success rate by value in this category was 34%. The awards made include a number of 'matching' contributions to substantial bids being made to outside bodies, usually where funders' terms require a matching institutional contribution as a criteria for accessing the funding.

Strategic Investment in Equipment (f)

25. Five applications were received within the category (f) awards for strategic equipment with three awards being made and two applications which were unsuccessful. The total awarded was £523k.

Divisional allocations

26. 11 specific grants for a total of £677k were approved by the Chair on the recommendation of divisions, to be met out of the divisional £250k allocations, for purposes as outlined under para. 9 above. (Any unspent balances for divisional allocations may be carried forward to the next academic year up to an agreed limit on balances of £500k.)

Outcome of awards

27. Reports are requested from successful applicants after the completion of their project. Many projects funded by the Committee are still ongoing, and reports on these will be requested in due course. In many cases, excellent results have been obtained and/or follow up funding received. In total to date, reports have been received on 1,617 projects, which received a total of £34.98m from the Fell Fund. Overall, projects had leveraged reported further income from other sources

totalling £222m for projects that ended up to March 2015. Those figures suggest that on average, Fell Fund awards leverage other funding at a ratio of up to 1:10[3].

28. Figures 11a and 11b below (based on data to December 2016), show the external funding leveraged by each Division as a percentage of the total funding received (11a) and as absolute figures (11b). Figure 11a shows the total funding including both funds awarded from the John Fell Fund and from external sources.

Figure 11a

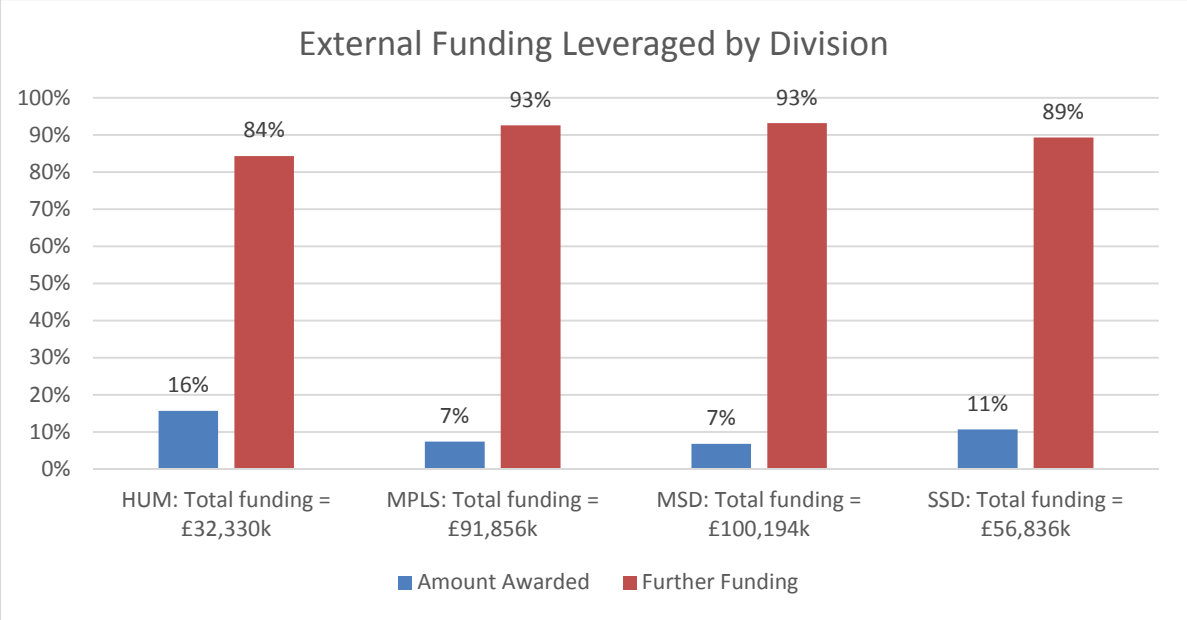
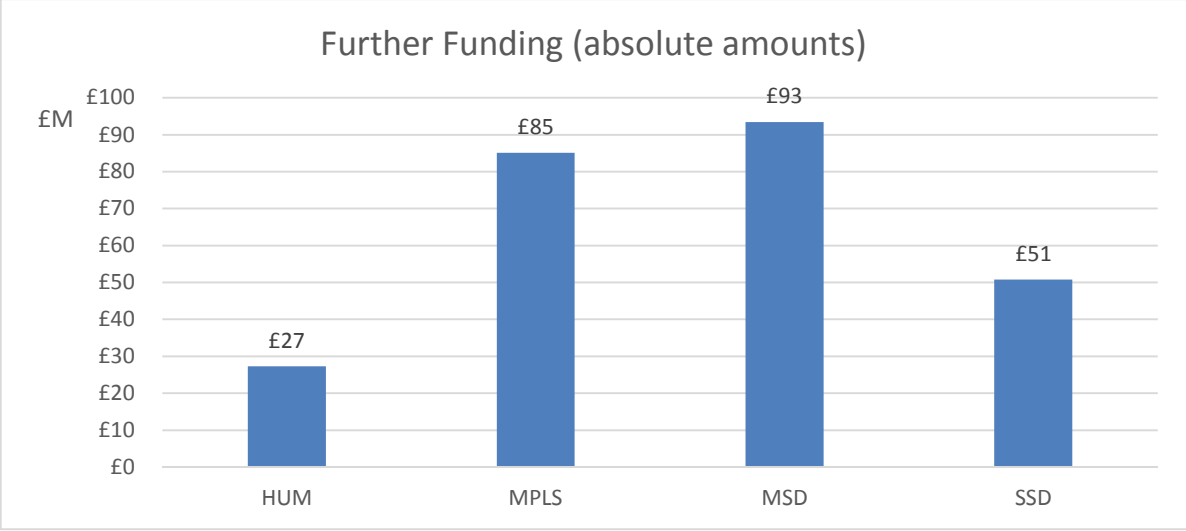


Figure 11b



29. The Committee also attaches importance to supporting researchers in the early stages of their research careers, when they are setting up their laboratories and/or establishing their field of study and may find it more difficult to attract external funds. While these awards from the Fell Fund may not lead to increases in external income in the short term, they are a vital means of demonstrating the University's support for highly able researchers, with the aim of encouraging them to remain at Oxford and to identify promising new lines of research for the future.

30. Examples of final reports received during 2016-17 are included in Annex B.

[3] Data are currently unavailable in a systematically consistent manner for leveraged income from projects which reported since December 2016, and projects with end dates more recent than March 2015, due to system issues which are under investigation. A review of reporting mechanisms for Fell Fund awards is anticipated in MT2018, to improve the capture of outputs information which will also include information about further funding and leverage.

Gender Analysis

31. Analysis on the distribution of applications and awards over all years to date by gender has been undertaken and shows that 65% of applications to the Fund are from men and 35% are from women. 64% of awards are made to men and 36% are made to women. 57% of applications by men are successful, and 60% of applications by women are successful. The current success rates for 2016-17 are 48% for men and 56% for women. By value, across all years including 2016/17, men received 72% of funds available and women received 28%.

    The Committee observed that the gender difference in application and award numbers and values is in part driven by the higher success rates of the small awards, which receive a greater volume (proportionally) of applications from women. It may also reflect gender ratios in the respective divisions, with a pool of fewer female applicants in the higher research costs divisions of MPLS and MSD.

    Application and award levels relative to eligible staff, as regards gender equality, are in line with the levels observed by the UK Research Councils[4].

Monitoring of the Fund

32. The Fund is monitored to ensure awards are effectively utilised. Award letters make clear that funds not needed for a project will revert to the Fund. In some cases award start dates become delayed for a particular reason, and for some 14% of projects extensions are agreed (usually of a few months). In some examples, the Fund has provided underwriting that was not in the event needed because other funding was identified. In other cases, awards were contingent on bids for external funding that were unsuccessful (cat (f) funding is particularly impacted by this). In other instances a small balance remained after the purposes of the award had been fulfilled. In all these cases, the Fell Fund recovered the surplus funds. Over £2m has been returned to the Fund to date and is being re-used for new awards.

33. The monitoring process continues to ensure that allocated funds are used consistently with the purposes for which they were originally requested and granted.

Ongoing developments

34. The Committee keeps under review the use of all elements of the John Fell Fund, in consultation with divisions, and in light of the final reports on the outcome of awards.

35. Since Trinity Term 2014 all applications to the Fund have been made via an online application system. During 2016-17, the Fell Fund application form was moved to the new IRAMS system, providing applicants with an interface which is also used by divisions and Research Services for a range of other internal funds, and providing a single portal for applicants to use to access these opportunities. Updates were also made to the Fell Fund website to streamline content.

36. During 2016-17, financial management of awards within the Finance Division was assigned to the Research Accounting Team, and management of awards was brought into line with procedures for external funds. This has improved oversight of active awards.

[4] For gender data see 'Research Councils Diversity Data (April 2016)' at http://www.rcuk.ac.uk/funding/diversity/

ANNEX A – Examples of Main and Small Awards made in 2016/2017

Principal Applicant	Department	Division	Category	Title	Amount Awarded
Smith, Paul	ASUC (Museums)	ASUC	e -Support related to a current external bid (e.g. matching bid)	Invading the Water: Inner Ear Evolution in Convergent Aquatic Tetrapods	74,742.86
Gemmill, Elizabeth	Continuing Education	Continuing Education	e -Support related to a current external bid (e.g. matching bid)	Prices from the Durham Obedientiary Accounts, 1368 - 1460	9,910.00
Crowther, Charles	Classics	Humanities	a - Pump-priming	A Corpus of Inscriptions from the Ptolemaic Empire	45,295.00
Solopova, Elizabeth	English Faculty	Humanities	a - Pump-priming	Editing the Wycliffite Old Testament Lectionary	46,910.00
Yurekli-Gorkay, Zeynep	Oriental Studies	Humanities	a - Pump-priming	"Clash of civilizations" in late medieval Southwest Asia: Interfaith transference of sacred sites and shrines in Anatolia/Thrace and the Indian subcontinent	43,377.78
Greaves, Hilary	Philosophy	Humanities	a - Pump-priming	Institute for Effective Altruism	89,606.00
Najman, Hindy	Theology and Religion	Humanities	a - Pump-priming	The Bible and the Humanities	47,854.63
Devji, Faisal	History	Humanities	c - Academic activities	The Art of Independence: Visions of the Future in India, Pakistan and Bangladesh	6,815.00
McKenzie, Judith	Classics	Humanities	e -Support related to a current external bid (e.g. matching bid)	Expanding the Manar al-Athar Open-Access Photo-Archive as a Resource for Threatened or Destroyed Cultural Heritage	75,428.00
Burden, Michael J	Music	Humanities	e -Support related to a current external bid (e.g. matching bid)	Leverhulme ECF matched funds: Dr Yvonne Liao for Dissonant Empires: Musical Venues in China's Treaty Ports, 1880s to 1940s	61,609.87
O'Hanlon, Rosalind	Oriental Studies	Humanities	e -Support related to a current external bid (e.g. matching bid)	Professions in motion: culture, power, and the politics of mobility in India's long eighteenth century	4,000.00
Martin, Daria	Ruskin School of Art	Humanities	e -Support related to a current external bid (e.g. matching bid)	Embodied Environments: Franz Kafka's 'A Hunger Artist'	6,000.00

ANNEX A – Examples of Main and Small Awards made in 2016/2017

Dobbie, Ian	Biochemistry	Medical Sciences	a - Pump-priming	Formation of a Light Microscopy Super-resolution Imaging Network.	4,546.23
Nemeth, Andrea	Clinical Neurosciences	Medical Sciences	a - Pump-priming	Establishing the Oxford Neurodevelopment Consortium	73,556.31
Azzopardi, Paul	Experimental Psychology	Medical Sciences	a - Pump-priming	Spectral Measurements of Visual Stimuli for Experimental Psychology	7,200.00
Kennard, Christopher	Medical Sciences Division	Medical Sciences	a - Pump-priming	Novo Nordisk Strategic Alliance	100,000.00
Bowden, Rory	NDM	Medical Sciences	a - Pump-priming	A shared research facility to prime ultra-high-throughput single-cell genomics	100,000.00
Stein, Alan L	Psychiatry	Medical Sciences	a - Pump-priming	Communicating the diagnosis of life-threatening illness to children, alleviating distress and building resilience.	91,658.43
Fitzgerald, James	Surgical Sciences	Medical Sciences	a - Pump-priming	Electrocorticography based brain-computer interfaces: a pilot study.	7,500.00
Sivakumar, Shivan	NDORMS	Medical Sciences	b - Start-up for applicant in early stages of research career	Investigating tumour heterogeneity in primary Pancreatic Cancer	48,500.00
Baena Lopez, Luis Alberto	Pathology Dunn School	Medical Sciences	b - Start-up for applicant in early stages of research career	Functional characterization of Caspases beyond apoptosis during DNA damage response.	80,000.00
Ellender, Tommas	Pharmacology	Medical Sciences	b - Start-up for applicant in early stages of research career	Pioneering methodology to record and manipulate the earliest activity patterns of the developing mouse brain.	40,000.00
Mccarthy, Mark	RDM	Medical Sciences	d - Research Facilitator	A research facilitator to support strategic coordination of metabolic research in Oxford	91,547.00
Robbins, Peter	Physiology Anatomy and Genetics	Medical Sciences	e -Support related to a current external bid (e.g. matching bid)	Measuring inhomogeneity of the lung as a means of endotyping lung disease	38,000.00
Ash, Philip	Chemistry	MPLS	a - Pump-priming	Infrared Imaging and Electrochemical Control of Redox Protein Crystals as a Tool for Structural Biology	6,505.05

ANNEX A – Examples of Main and Small Awards made in 2016/2017

Tosca, Nicholas	Earth Sciences	MPLS	a - Pump-priming	Visualising the early evolution of life and climate through FT-IR imaging	50,046.39
Martin, Chris	Engineering Science	MPLS	a - Pump-priming	Advanced triaxial testing apparatus	50,000.00
Hector, Andrew	Plant Sciences	MPLS	a - Pump-priming	Expanding Climate Change Research in Wytham Grasslands	61,762.26
Farrer, Nicola	Chemistry Department	MPLS	b - Start-up for applicant in early stages of research career	Ultrasonic Delivery of Theranostic Anti-Cancer Agents	55,955.00
Hargreaves, Adam	Zoology	MPLS	b - Start-up for applicant in early stages of research career	Resolving snake toxin gene evolution using nanopore sequencing	7,500.00
Morris, Stephen	Engineering Science	MPLS	c - Academic activities	Developing a centralised Clean Room Facility within the MPLS Division	13,302.00
Box, Finn	Mathematical Institute	MPLS	c - Academic activities	Viscometer for the Maths Observatory	4,979.00
Herz, Laura M	Physics	MPLS	c - Academic activities	Femtosecond spectroscopy of functional materials	135,000.00
Bruce, Peter	Materials	MPLS	e -Support related to a current external bid (e.g. matching bid)	Developing Oxford's Energy Leadership Team	40,500.00
Vanner, Michael	Physics	MPLS	e -Support related to a current external bid (e.g. matching bid)	Experimental Quantum Science with Silica Microresonators	31,980.90
Clarke, Simon	Chemistry	MPLS	f -Strategic investment in equipment	A SQUID Magnetometer for Quantum Materials, superconductors, molecular magnets and excited states.	144,000.00
Lee-Thorp, Julia	Archaeology	Social Sciences	a - Pump-priming	Development and test of a new palaeoclimate proxy for the west Cape coast, South africa	30,522.93
Orkin, Susannah	Economics	Social Sciences	a - Pump-priming	How Income Growth Shapes the State: A Village-Level Randomized Controlled Trial on Unconditional Cash transfers, Community Engagement and Local Politician Responses in Kenya	44,991.05

ANNEX A – Examples of Main and Small Awards made in 2016/2017

Sebba, Judith	Education	Social Sciences	a - Pump-priming	The Exclusion of Looked After Children from English Secondary Schools: A Longitudinal Mixed Methods Examination	45,000.00
Owen, Oliver	International Development	Social Sciences	a - Pump-priming	Engagement, Development and Post-Truth Politics	7,482.34
Kuo, Alexander	Politics & Int Relations	Social Sciences	a - Pump-priming	The long-term effect of war mortality on political stability in Europe	7,401.30
Cluver, Lucie	Social Policy and Intervention	Social Sciences	a - Pump-priming	GCRF Incubator: Supporting families in adversity in LMIC	43,215.21
Kirk, David	Sociology	Social Sciences	a - Pump-priming	The Contagion of Police Misconduct: Bringing Network Science to the Study of Police Behaviour	50,094.00
Maqsood, Ammara	Anthropology	Social Sciences	b - Start-up for applicant in early stages of research career	Multi-religious encounters in precarious urban settings	4,675.00
Knaack, Peter	Blavatnik School of Government	Social Sciences	b - Start-up for applicant in early stages of research career	Global financial regulatory governance and emerging market economies: The case of China	7,030.00
Eynon, Rebecca	Oxford Internet Institute	Social Sciences	b - Start-up for applicant in early stages of research career	Using graph databases to conceptualise social class: a proof of concept study	7,283.99
Murray, Eleanor	Said Business School	Social Sciences	b - Start-up for applicant in early stages of research career	Organisational resilience during unexpected conditions: Developing and validating a tool to measure resilience utilising hospital infection outbreaks	24,596.20
Hacket Pain, Andrew	SOGE	Social Sciences	b - Start-up for applicant in early stages of research career	Understanding variation in forest ecosystem responses to drought	1,263.00
Havelkova, Barbara	Law	Social Sciences	c - Academic activities	Anti-discrimination Law in Civil Law Jurisdictions	7,492.80
Payne, Leigh	SIAS	Social Sciences	c - Academic activities	'Women's social movements in contemporary Latin America: common trends, diverse realities': conference, workshop, and book project	6,346.00

ANNEX B- Examples of final Reports received for Main Awards in 2016/2017

(Edited excerpts from final reports, full-reports available on request.)

Principal Applicant	Department	Cat.	Title	Award Amount	Final Summary Outcomes	Further Funding (Amount)	Further Funding (Source)
Kemp, Peter	Blavatnik School of Government	e	Understanding Administrative Modernity: The Shared Services Mega-Trend	30,252.00	This project examines the growing popularity of shared service centres in public management reform, and was match funding for a Leverhulme ECF award. Outputs of the project so far include a journal article accepted for publication (another is under review); several working papers in development; a blog post and op-ed published online; and numerous policymaker engagement activities. The Fellow has since received a BA/Leverhulme Small Grant to follow up some of the research, and has also been appointed to a permanent post at Oxford University. To continue the research an ESRC New Investigators grant will be applied for.	78,504	Leverhulme Early Career Fellowship
Leaver, Clare	Blavatnik School of Government	e	The impact of performance pay on test results, teacher behaviour and career choice in Rwandan Primary Schools	60,000.00	This project seeks to evaluate not only the incentive effect (on effort) but also the selection effects (on skill and intrinsic motivation) of pay-for-performance (P4P) contracts. We have designed a two-tiered experiment to answer three primary research questions: 1. Can P4P improve teacher performance, and so contribute to student learning gains? 2. How effective are P4P contracts at recruiting effective (skilled and intrinsically motivated) teachers, particularly in rural areas? 3. Do P4P contracts help to retain effective teachers? The JFF grant was essential in securing a substantial award from the World Bank, and together with a pre-existing grant from the International Growth Centre, these funding sources enabled the project to proceed to implementation. Given the successful implementation in the 2016 academic year, we decided to apply for additional funding from the Economic Development and Institutions Programme (https://edi.opml.co.uk) to extend the study for a further year. Our application was successful, and we were awarded a further GBP 440,000 – funding directly leveraged by the JFF grant. This EDI grant has enabled us to continue the experiment in the same 164 schools for the 2017 academic year. Together with measurement of teacher retention outcomes at the start of 2018, this will allow us to understand teacher retention impacts. A second year of exposure also creates more time for meaningful impacts on student learning gains and creates an opportunity to study dynamics in learning.	440,000	SIEF (World Bank) & IGC
Henderson, Gideon	Earth Sciences	f	Field emission electron probe facility	83,316.00	The funding was used as planned to purchase an additional collector for an electron probe instrument purchased with NERC infrastructure funding. This has allowed significant enhancement of an already state-of-the-art machine and gives Oxford a unique analytical capability for the UK. The instrument is now fully operational, and is run as a Small Research Facility (SRF) overseen by a full time manager. The SRF is used by many groups in the Department of Earth Sciences and from other departments.	620,000	NERC

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Perry, Seamus	English	e	Matching support: Leverhulme ECF Daniel McCann for "Salus Animae: Therapeutic Reading in Late-Medieval England"	5,7592.00	Dr McCann comes to the end of a highly successful Fellowship, with a book accepted and nearing publication, an edited collection under contract and advanced in preparation, and a goodly cluster of articles in strong journals; besides, he has a string of substantial conference presentations and the organisation of a major conference to his credit. We are extremely pleased with the time he has spent here as a post-doctoral researcher: we do not think he could possibly have used it more profitably; and we look forward confidently to a glittering career.	73,735	Leverhulme Early Career Fellowship
Haigh, Christopher A	History	e	Redbrick: Britain's New World of Universities, 1820-1980	11,670.00	I am extremely grateful for the support of the Fund, which enabled me to supplement a Philip Leverhulme Prize [of 70k] and employ a DL for a period of two years. The key outcome of that research leave was Redbrick: a social and architectural history of Britain's civic universities (OUP, 2015: paperback, 2016); short-listed for the Longman-History Today book prize, and the Alice Davis Hitchcock Prize of the Society of Architectural historians of Great Britain. In addition, I wrote and published a variety of other books and articles…		Philip Leverhulme Prize - £70k
Wickham, Chris	History	e	A Biography of Martin Luther	3,500.00	Martin Luther, Renegade and Prophet was published by Bodley Head (Random House and Penguin) in Summer 2016 in English, and in Autumn 2016 in German. The Fell Award enabled me to employ research assistance in the form of compiling the bibliography, researching the pictures and gaining rights to publish (a major task as there were almost 100 images, all of which needed to be located and permissions applied for), and for other research assistance. Without the aid of the Fell Fund I could not have brought the book to a conclusion.		
Smith, Jason M	Materials	f	FEI Nanolab FIB/SEM	150,000	The John Fell award of £150,000 allowed us to leverage a grant of £1,054,205 from the EPSRC Strategic Equipment Fund to purchase a new focused ion beam/ scanning electron microscope. After a competitive tender process, the instrument purchased was a Zeiss Crossbeam 540… The instrument is fitted with additional components to facilitate novel science, focusing on two areas: a precision long range sample support stage to allow micro/nanofabrication of micro-optics for use in quantum technologies; and state of the art cameras for Energy Dispersive X-ray (EDX) and Electron Backscattering Detection (EBSD) analysis together with a nanoprobe manipulator that would allow new 3D materials characterisation. The instrument was installed in March 2016 and became available for use on May 30th 2016. We are awaiting the first research publications based on work which used the instrument. Several further grant proposals have been submitted based on the purchase of the instrument and it has contributed to the spinning out of a new company from the University (Oxford HighQ Ltd). … The method we use to engage with a wider user community is to run projects where highly expert internal super users work on projects, or train external users on projects. From	1,059,205	EPSRC

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					networking activities at conferences such as the Microscopy and Microanalysis Congress, a number of requests for advanced sample preparation [have been received]… current projects involve training a user from Imperial College London, and working with the Oxford Materials Characterisation Service, the commercial arm of the Materials Department to promote industrial use. The research topics for which the instrument is used include Photonic devices for quantum technologies, characterisation of a range of materials including superconductors and intermetallics, and fundamental studies of materials microstructure in 3D.		
Griffiths, Ian	Mathematical Institute	a	Water purification by magnetic separation	46,672.00	This award was highly successful, yielding one published paper and a second to be submitted, as well as a series of subsequent successful grants and fellowships. The work was the first of its kind, developing mathematical models that capture the aggregation and transport of magnetic particles in a flow field with application to contaminant removal and water purification. The results have led to new techniques for understanding and optimizing magnetic separation processes and have led to discussions with experimentalists and industries (Real Tech) to understand how these discoveries may be put into practice. Two papers have arisen from the work conducted in this project: A. Eisenträger, D. Vella & I.M. Griffiths 2014 Particle capture efficiency in a multi-wire model for high gradient magnetic separation, Appl. Phys. Lett. 105, 033508. A. Eisenträger, D. Vella & I.M. Griffiths Mathematical modelling of particle aggregation in magnetic separation (in preparation). This funding provided an unmatched pump-priming opportunity that has subsequently shaped my future career. In particular, I have been awarded two prestigious fellowships following on from this work (a Royal Society University Research Fellowship and an EPSRC New Connections in Mathematical Sciences Fellowship (declined)). The work has led to a long-standing collaborative partnership with Professor Scott Tsai and his Laboratory of Fields, Flows, and Interfaces at Ryerson University. The research is now being continued by a three-year postdoctoral research associate funded through a Royal Society and EPSRC Fellowship Grant. In this project we are taking steps to understand how magnetic aggregation and separation within fluids can play a crucial role not only in water purification challenges but also in medical applications such as cell tagging, with applications in type I diabetes and motor neurone disease.	1,076,014	EPSRC and Royal Society
Scholar, Richard	Medieval & Modern Lang	e	Ecrire en pays domine: Francophone Caribbean Writing in Context, 1493	84,513.00	The project employed Dr Eva Sansavior as a 4-year Career Development Fellow in Francophone Caribbean Studies and was awarded further funding by the Leverhulme Trust to run an International Research Network entitled Caribbean Globalizations. The Network enabled the project to broaden its scope of enquiry beyond the Francophone Caribbean context and to bring the field of contemporary postcolonial study into fruitful dialogue with historical work on the Caribbean. It has yielded a collective volume (forthcoming from	111,636	Leverhulme Trust

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			to the Present Day		Liverpool University Press) entitled Caribbean Globalizations, 1492 to the Present Day, co-edited by Sansavior and the PI and containing contributions from Network participants.		
Hill, Michael	NDM Experimental Medicine	f	High Throughput Phenotyping for Large Scale Studies, including cardiovascular disease and cancer	70,000.00	The John Fell award has supported a high-throughput phenotyping facility for large-scale studies to be established at the CTSU. The award combined with generous funding from the BHF CRE (Oxford) and a department contribution to raise £522,050. The award is part strategic investment and a significant outcome of the award has been to provide infrastructure to support new developments in plate-array format immunoassays and NMR metabolomics. The award is also part pump-priming and it has facilitated proof of concept work (e.g. investigating inflammation biomarkers in heart disease) which has led to external grant applications with the MRC and BHF.	261,050	BHF CRE (Oxford)
Dahl, Jacob	Oriental Studies	a	Creating a Sustainable Cuneiform Digital Library	6,486.00	Collaborators at the University of Southampton built one camera dome for the project which was used by Oxford staff to image the cuneiform collection of the Ashmolean Museum. Oxford staff also imaged large numbers of cuneiform tablets across the UK and in Paris, and created large numbers of well-structured transliterations of ancient Sumerian and Akkadian cuneiform. The camera dome built by the project was later put at the disposal of the Conservation Studio of the Ashmolean Museum where it has been used to capture a range of objects.	99,953	Mellon
Taylor, Angela	Physics	b	Specialised test equipment to support the development of new microwave instrumentation	50,000.00	The Fell Fund award enabled me to establish a fully-equipped radio astronomy laboratory and to develop prototype, novel and low-cost receivers as proof-of-concept for future major instruments. As a result I was able to successfully bid for significant funding from STFC to lead the development of the high-frequency receivers for the SKA project. SKA is an international project to build the world's largest radio telescope. Further, the Fell Fund leveraged funding for my group to build a second receiver for the C-BASS CMB project which is now operating in South Africa. The Fell Fund award provided essential funding for me at a time when I was first setting out on my research career at Oxford. It provided matching funding to a Royal Society small research award and allowed me to set up essential infrastructure and to buy equipment for a new radio astronomy receiver development and test laboratory. In addition I was able to design and build early prototype receivers which were key to showing our capabilities and for leveraging significant funding for participation in major international projects. Following on from the Fell Fund award, I successfully bid to lead the development of the high-frequency receivers for the SKA project. This is an international project to build the world's largest radio telescope. To date, I have received £693k for this project. This project has also involved significant industry involvement looking at the development of low-cost and low-power cryogenic receivers - this was one of the early objectives of the Fell Fund application. The fund also helped to secure continued funding for the C-BASS	1,608,000	STFC/Newton

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					CMB project of which I am PI and allowed us to secure additional funding £285k to operate a second receiver to undertake a Southern counterpart to the already running Northern sky-survey. Most recently, I have secured funding (£630k) from the Newton Fund/STFC for a collaborative project with Mexico to transfer radio-astronomy technology developed as part of our SKA programme to instrumentation for the Large Millimetre Telescope in Mexico.		
Goberdhan, Deborah	Physiology Anatomy and Genetics	e	Exosome switching, a new mechanism in cancer biology	68,095.50	CRUK indicated that my Programme grant application would be strengthened if equipment required for this work was funded from internal sources. I was successful in my application to CRUK (details below) based on this understanding. This Fell award provided funds for a live cell imager and western imaging system. These instruments have significantly improved the efficiency and reliability of the functional assays and western analyses undertaken by my group (three postdocs and four DPhil students), collaborators and other DPAG members. This equipment has already provided data for new grants applications and manuscripts (accepted, under revision and in prep).	1,178,147	Cancer Research UK Programme
Neubauer, Stefan	RDM	f	Clinical Hyperpolarized MRI for Oxford	200,000	The award was sought as a contribution towards a £2.25 million project to support the development and expansion of a clinical hyperpolarized magnetic resonance imaging (MRI) facility for the Medical Sciences Division (MSD). Specifically, the contribution was towards the acquisition of a state of the art 3T MRI system to provide capacity for the many multidisciplinary studies that are envisioned using the new hyperpolarized MRI technology. The John Fell award allowed leverage with the British Heart Foundation (BHF) and assisted in securing a £1 million infrastructure grant from the BHF. These awards, along with a contribution from the Division of Cardiovascular Medicine allowed for the purchase of the MRI system and refurbishments to the basement of the Oxford Centre for Clinical Magnetic Resonance Research (OCMR) to create a brand-new MRI scanning suite… The system is now fully operational [April 2017] and is being used by a number of research projects. The primary aim of this project was to increase capacity on the already installed 3T Trio MRI system in OCMR to enable the development of clinical hyperpolarized MR. This novel technique increases the MRI signal by 4-5 orders of magnitude and allows MRI to be used to study energy metabolism as never before. We believe that this new methodology will give major new insights into the metabolic changes that occur in a variety of diseases. The installation of the new 3T scanning suite in the basement has had the desired effect of easing pressure on the existing system and allowing the hyperpolarizer project to develop. We have now acquired the first ever human hyperpolarized spectrum, this places the University of Oxford at the forefront of the development of a new imaging technology. It is early days in the development of such a novel technique but we are firm in	1,000,000	British Heart Foundation Infrastructure Grant

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					the belief that this award will lead to major new insights into the metabolic changes that occur in a wide array of diseases.		
Price, Elizabeth	Ruskin School of Art	c	Unstill Life: The Pictorial Legacies of Arthur Evans (working title)	4,000.00	The outcome of the research is a two-screen video projection of 18 minutes duration, called RESTORATION. It was commissioned by the Contemporary Art Society, and presented at the Ashmolean Museum between March and May 2016. A related display of photographic works was presented at the Pitt Rivers Museum at the same time. Subsequently the video will be exhibited in Monash University Museum of Art, Australia, during Autumn 2016, and is planned to tour to the Institute for the Study of the Ancient World in New York, for exhibition in January along with other loans from the Ashmolean Museum.	75,000	Contemporary Art Society Annual Award for Museums (£60k) and Van Houten Fund (£15k)