

ISAAC NEWTON TRUST

ANNUAL REPORT

COVERING THE PERIOD

1ST JULY 2013- 30TH JUNE 2014

VOLUME XXIV

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PATRON

H.R.H. the Prince of Wales

TRUSTEES

Professor R J Mair (*Chairman*)
Professor J J Baumberg
Professor S Collini
Professor G I Evan
Professor D T Fearon
Professor S C Franklin
Professor D J McKitterick
Professor R M Smith
Professor AM Strathern
Professor G P Winter

OFFICERS

Professor J P Parry (*Director*)
Professor E J Hinch (*Treasurer*)

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INTRODUCTION

This report to the Council of Trinity College covers the period from 1st July 2013 to 30th June 2014. The body of the report lists new research grants approved by the Trustees and developments in the main schemes of the Trust. The Trust accounts for the year ended 30th June 2014 are given as Appendix 1. The version given here is the revised version produced by the Treasurer in February 2015, which are subject to a fresh audit to be conducted between 18th and 20th February 2015. **This is therefore to be considered as an interim report and a revised version will be sent later if there are any further changes to note. The Trust apologises for the delay in producing this material and hopes that the College will understand the circumstances which have brought it about.**

Following the implementation throughout the University of the Charities Act 2006, it has been agreed by the Trustees, by the University and by Trinity College that the Trust continues to be exempt from regulation by the Charity Commission as it is a body 'administered by or on behalf of the [University of Cambridge] and is established for the general purposes of, or any special purpose of or in connection with, the [University].' For regulatory purposes it now falls under the remit of the University, which acts as its sub-regulator, with HEFCE as its Principal Regulator. Consequently Annual Reports are now also sent to the University's Director of Finance, for information and discussion.

A full account of the Trust's activities in earlier years may be found in Annual Reports volumes I to XXIII. A summary of grants made by the Trust over the last 6 years (July 2008 to June 2014) is given in this report as Appendix 3.

The Trinity Council reappointed Professor Robert Mair as a Trustee for three years from 1 October 2014 and acknowledged the fact that he would continue to act as the Chairman of the Trust until 30 September 2017.

Professor Marilyn Strathern was re-appointed as a Trustee for a further three years from 1 November 2013 by the Trinity College Council.

Professor Simon Franklin was re-appointed as a Trustee for a further three years from 1 April 2014 by the Trinity College Council.

Professor Douglas Fearon FRS, who had been a Trustee since 1 June 2006, resigned on 3 July 2014 and left Cambridge for a joint appointment at Cold Spring Harbor Laboratory and Weill Cornell Medical College, New York.

The Trust maintains a website (www.newtontrust.cam.ac.uk) that gives up-to-date details of the Trust schemes. There is also a separate dedicated website for the Cambridge Bursary Scheme (<http://www.admin.cam.ac.uk/univ/cambridgebursary/>), including the Cambridge European Bursary Scheme and the Graduate Course in Medicine Bursary Scheme.

AIMS AND OBJECTIVES OF THE TRUST

To promote education, learning and research in the University of Cambridge.

DIRECTOR'S REPORT

This is my last report as Director, a post from which I shall be retiring in the summer of 2015 after seven years. Here I shall offer a general view of the Trust's current strategy and aims. The Treasurer will report at a later date on the accounts themselves, which have taken on a new form this year for two reasons. The first is because of the decision to separate the accounting of undergraduate bursary costs more completely between Trust and University obligations; this new approach will be particularly valuable when the Trust's contribution to bursaries stops altogether in 2016. A policy is also in place to ensure that all future donations for bursaries will be set entirely against the University's contribution from that point. The second change is a fuller treatment of the Trust's future commitments, as requested by the auditors. Naturally the Trust has always budgeted for these commitments, but now they are recognised more explicitly.

The Trust's total assets at year end amounted to £22.82m, up from £22.02m last year and £22.51m in 2012. This is despite the fact that the Trust has for most of my Directorship been pursuing a policy of spending more than its annual income from Trinity College. One reason for this increase is a benign investment climate; gains on the Trust's investments amounted to £1.11m this year, following on from £1.24m last year, and of course this pattern may not continue. It should also be noted that the investment return has been enhanced owing to the decision to move a significant part of our funds (now valued at £9.07m) to the Cambridge University Endowment Fund since 2012. The Fund is a relatively illiquid investment for its participants, and so Trustees will need to decide whether to hold there more than the £10m or so that they have traditionally regarded as their core reserve.

The auditors have asked the Trust to take fully into account all its forward commitments. As a result, a total of £14.81m of such commitments is recognised in the Statement of Financial Activities. The full list of forward commitments is appended to this report, together with a cover note which explains that some of the items are subject to varying interpretations. It should also be emphasised that past experience suggests that about 30% of research grant money awarded is never claimed, and therefore the real future commitment is likely to be significantly less than this figure.

The Trust's expenditure on non-bursary activities this year is shown in the accounts at £3.75m. [This cannot easily be compared to last year, since adjustments need to be made on account of different auditing procedures used then for future commitments; our internal figures suggest a slight fall of £0.18m.] This is in comparison to Trinity College's annual grant of £2.5m, which will reduce to £1.5m in 2014-15 and continue at that level in 2015-16. Internal projections suggest that the Trust's General Fund should have reduced to about £14m at the end of 2015-16.

Of this year's non-bursary expenditure, £2.86m went on research grant expenditure of all sorts (before return of underspends), of which £1.91m was spent on the Trust's own research grants and £0.95m on contributions to the various other schemes that it supports (the Leverhulme ECF and ESRC Future Leaders schemes and the joint research support schemes run by the University and co-funded by the Schools of the University). The number of applications for the Trust's own research grant scheme fell from 87 in 2011-12 and 69 in 2012-13 to 47 this year. This may suggest that many potential applicants are currently able to draw on other sources of funding, among them the jointly-funded schemes mentioned above (which except for the Humanities Research Grants scheme are all exclusively for early career academics). However it should be noted that applications for the first two meetings of 2014-15 already exceed the figure for the

whole of 2013-14. Application success rates in 2013-14 were 66% (72% last year). Given the partial take-up of awarded grant money, the Trust does not currently estimate that the scheme is a major drain on its assets.

The Trust keeps its support for the Leverhulme, ESRC and jointly-funded schemes under regular review. It should be noted in particular that twelve candidates from Cambridge were successful in the Leverhulme scheme this year, along with eight in 2013 and ten in 2012; before then only four or five applicants normally won awards each year. This is becoming a significant commitment for the Trust, but seems greatly valued by Departments and researchers. Support for the ESRC Future Leaders scheme is an experimental commitment and is currently being reviewed (like the scheme itself). One award-winner was supported in 2013-14 and a further three have been successful to begin in 2014-15.

The Trust's other non-bursary expenditure was much as predicted. This year for the first time the accounts show the full cost of the initial funding for ten University Lectureships in the Humanities Schools, a commitment agreed in 2010-11. This is a one-off commitment and should not continue beyond 2018. Support for PhD studentships (which has been agreed until 2019, from 2014 under the AHRC DTP umbrella) and for College post-doctoral Fellowships continued at much the same level as last year. The Small Research Grant scheme for the Humanities has also been extended until 2019, owing to its evident success. As expected, there was a decline in the costs of the CTO Lectureship scheme, which is being gradually phased out. The first competition in the replacement scheme, to offer established CTOs extra research leave to finish a significant project, was held this year and four candidates were successful. The costs will be incurred next year.

The Trust continued to pay 12% of the costs of the Cambridge Bursary Scheme, Cambridge European Bursary scheme and National Scholarship Programme. It administered all these schemes throughout the year and the report on each is included. It has for some time been agreed that the Trust's contribution to these schemes (a contribution towards the costs for the poorer colleges) will fall to 10% in 2014-16 and then will cease in 2016, reflecting the fact that the bursaries are now recognised to be a legitimate charge on fee income and that College costs have since 2012 been redistributed between them according to wealth. 2014-15 is the last year in which the National Scholarship Programme will be run. The net cost of bursaries to the Trust in 2013-14 was £0.74m. Though this will decline in 2014-16, so will investment and donation income for bursaries, as the Trust's dedicated Bursaries Endowment fund is deliberately run down. Its assets are currently £3.45m but are almost certain to be below £2m by the time the Trust ceases to be liable for undergraduate bursary costs in 2016.

It has been agreed that the residue of the Bursaries Endowment Fund will be available for the Trust's Masters' funding scheme. The Trust initiated and funded this scheme in 2013, on a matched basis with Colleges, reflecting its sense of the urgency of galvanising fundraising for graduate student support. Given its own 25th anniversary, it seemed an appropriate time at which to transfer its bursary resources from undergraduate support, now fully secured, to some kind of graduate scheme, though on the understanding that it was likely only to be able to offer seedcorn funding and that the University should not relax its efforts to find alternative sources of support in the medium term. The Masters' competition was run for the first time in 2013-14, by the Student Registry, under the aegis of the CHESS competition. Forty students were funded at a cost to the Trust of £240k, and £210k was raised in matched funding from Colleges. The Trust's support will show in next year's Report and Accounts, where a report on the scheme will appear for the first time. It seems likely that at current or slightly expanded take-up rates the Trust would be able to

fund it for at least four years before the Bursaries Endowment Fund is exhausted. It will keep the length and extent of its support under review. When its commitment ends, the Trust will need to decide whether to continue support for graduate funding in any form, and if so what to prioritise, as the requirement to pay c £190k per annum to the AHRC DTP scheme for PhDs will also terminate in 2019 and Trustees have already indicated that they are unlikely to renew it while Trinity College is also supporting this scheme.

The last seven years have been a time of considerable change for the Trust, as for the wider University. The funding of undergraduate bursaries, originally such a major part of the Trust's work, has been put on a more secure basis and taken over by the University and Colleges, in line with the Trust's policy that none of its support should be regarded as permanent. The Trust has initiated a new scheme for Masters' funding that it hopes will also be of long-term value and encourage the University to expand its plans for graduate studentships, preferably assisted by external matched funds. We have helped the Careers Service to develop a bursary internship scheme for students who could not otherwise afford to take them. On the research side, we have supplemented our core research grant scheme with new partnerships with Schools to ensure a fuller application of our core principles – that funding is available for academics who need it, scrutinised by experts. We have tried to help the University to respond to a sometimes fast-moving external research funding landscape, both in the Humanities and the Sciences, though there is certainly scope to do more to this end. We have created a new Small Research Grant scheme in the Humanities, and two new funding schemes for Colleges to help them to promote research among their Fellowships, including a scheme to offer enhanced leave to hard-pressed established CTOs trying to finish a major project. We have helped the University to tackle the shortage of money available for University Lectureships in the Humanities at a critical time. All these projects could not have been achieved without the continuing generosity of Trinity College; moreover they have been realised without entering into long-term commitments or embarking on extravagant spending which would damage the financial position of the Trust. It remains in as healthy a state as ever, and able, I hope, to serve the University for many years to come.

Allocation of Funds between Arts and Humanities and Sciences

The table below shows the split of the expenditure between Arts and Humanities and the Sciences by academic year since 2009-10. Undergraduate Bursaries, Careers Service Internship Bursaries have not been included.

	Arts and Humanities					Sciences				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
RESEARCH SUPPORT										
standard grants (confirmed)	686	924	632	358	555	1247	1237	1237	1176	886
special multi-year large grants/underwriting*	766	200	0	295	91		495	700	0	0
Leverhulme ECF awards (confirmed)*	276	207	552	345	143		62	137	207	178
Small Research Grant Scheme (from 2010-11)		34	46	40	80		0	0	0	0
University Research Grant Schemes				100	100				250	250
SUPPORT FOR POSTS										
CTO scheme	122	117	104	64	64	12	13	17	17	17
Time-Limited Fellowships	9	3	3	0	0	56	93	93	95	95
University Lectureships (from 2012-13)				197	464				0	0
College Junior Research Fellowships (from 2011-12)			43	86	15			0	15	15
GRADUATE SUPPORT										
DRS/CHESS scheme for UK students	274	186	232	217	217	0	0	0	0	0
CET Research student scheme (discontinued)	0	0	0	0	0	0	0	0	0	0
TOTAL	2133	1671	1612	1702	1729	1315	1900	2184	1760	1441

*listed separately from 2009-10

Administrative Costs

In addition to the Director and the Treasurer, the Trust employs three administrative staff members.

A breakdown of administration costs is shown below.

Stipends (including pension and NI)	£153,693.57
Office expenses	£8,015.53
Audit fee	£3,000
Miscellaneous expenses	£5,369.05

RESEARCH AND TEACHING GRANTS

RESEARCH GRANTS

Breakdown of expenditure on research grants 2013-14

The Trust's actual expenditure on research and teaching grants over the period of this report was £2,396,754.84. This was broken down as follows:

Research Grants	£ 1,816,063.35
Less underspends returned to Trust	£ 275,768
Leverhulme Early Career Fellowships	£ 403,560.19
Less underspends returned to Trust	£ 58,560
ESRC Future Leaders Scheme	£ 22,000
University Research Grant Schemes	£ 350,000
Small Research Grants Scheme	£ 80,000
Total	£ 2,337,295.54

Research grants policy

The policy of the Trust in relation to Research Grants is detailed on its website www.newtontrust.cam.ac.uk.

The key features of those Guidelines during 2013/2014 were as follows:

- *The Trustees realise that the funds at their disposal could soon be wholly absorbed in a few big projects. They believe they can best assist the University by focusing their help selectively on projects of various sizes which otherwise might not get started or be significantly delayed, particularly those where a grant from the Trustees can open up opportunities for additional funds from outside Cambridge. The Trust is able to move quite quickly and so help in enabling opportunities to be seized which otherwise might permanently be lost. In all cases the Trustees need to be satisfied that projects are of a high standard. They aim to assist with the funds at their disposal a wide range of projects in all disciplines from Departments and Faculties in all Schools of the University.*
- *Since one of the purposes of the Trust is to attract resources from outside, grants from the Trust are normally conditional upon raising from sources outside Cambridge at least the amount of the grant. The Trustees have agreed to vary or even set aside this condition for projects that they consider of particular importance where the prospects of obtaining such external funding are remote.*
- *The Trustees are persuaded that their most effective contribution is to help attract talented persons to Cambridge and to maintain the University's reputation as a centre of excellence in research. They seek to assist projects*

of high quality, which will normally be capable of attracting significant external funding, but which cannot get all the financial help that they need.

- *The Trust does not normally contribute towards the costs of pre-doctoral students because PhD studentships are available from Research Councils, from the Cambridge Commonwealth, Overseas, and Gates Trusts, and from the CHES competition organised by the Board of Graduate Studies.*
- *The Trustees do not in their own right seek funds from outside (the only exception being the Cambridge Bursary Scheme). It is therefore the responsibility of recipients of grants to raise the additional monies which are a condition of their grants from the Trust.*
- *Funding for equipment is a low priority, but Trustees are willing to consider applications for urgently-needed new equipment of major strategic value to the University or new equipment for teaching. At least two-thirds of the cost must be secured from other sources, and the equipment must have multiple uses. The Trust is willing to give loans for equipment and for technical support in cases where applicants can be confident that these costs can be repaid from future external grants. The Trustees do not normally entertain requests for "bricks and mortar" projects.*

Applications received in 2013-14

In 2013-14 the Trust received a total of 47 new applications for research grants. Of these applications 31 were supported at a total cost of £980,830 and 16 were rejected.

Grants awarded in 2013-14

The following grants, totalling £980,830, were approved by the Trustees during the report period. They are listed alphabetically by department. The amounts of individual grants may be found in the Yellow Table at the end of this report. If the matching requirement associated with each grant is met, the total matching funds associated with these grants will be £980,830.

Applied Mathematics and Theoretical Physics: a grant of £10,000 over one year towards the salary costs of Dr Vera Djepa, to work as a Research Associate on the project titled 'Sea Ice Thickness Distribution in the Arctic and Antarctic from Satellite Remote Sensing'. (Applicant: Professor Peter Wadhams)

Applied Mathematics and Theoretical Physics: a grant of £19,979 over one year, towards the salary costs of a research associate to work on the project titled 'Measuring Permeability in Reactive and Poroelastic Porous'. (Applicant: Dr Jerome Neufeld)

Archaeology and Anthropology: a grant of £14,850 over two years for the project titled 'Where Rising Powers Meet: Russia and China at their Northeast Asian Border'. (Applicant: Professor Dame Caroline Humphrey)

Archaeology and Anthropology: a grant of £13,480 (in the form of underwriting), towards three months of the salary of a guard as well as the cost of a signboard and a fence for the project titled 'Kilise Tepe Archaeological Project - Closing Down Costs'. (Applicant: Professor Nicholas Postgate)

Biochemistry: a grant of £37,931 over one year, towards the salary costs of Dr Nicholas Robinson to work as a Senior Research Associate on the project titled 'Investigating the Fundamental Processes of DNA Repair and Ubiquitin-like Modifications using the Thermophilic Archaea of the Genus *Sulfolobus* as Model Organisms'. (Applicant: Dr Luca Pellegrini)

Cambridge Programme for Sustainability Leadership: a grant of £43,600 over two years, towards the salary costs of Dr Marije Schaafsma, Research Associate, to work on the project titled 'Post-Doctoral Researcher in Ecological Thresholds, Cambridge Conservation Research Institute'. (Applicant: Dr Jake Reynolds)

Cambridge Stem Cell Institute: a grant of £18,997 over one year, towards the salary costs of Ms Aliaksandra Radzisheuskaya, to work as a Research Associate on the project titled: 'Investigation of the Molecular Mechanism of Oct4 in Induced Pluripotency'. (Applicant: Dr José Carlos Rebelo da Silva)

Centre for Research in the Arts, Humanities and Social Sciences: a grant of £41,124 over three years, from the Opportunities Fund, towards the salary costs of a Research Associate to work on the project titled 'The Failure of the Numerical'. (Applicant: Dr Stephen John)

Chemistry: a grant of £100,220 over two financial years, towards the salary costs of a Senior Research Associate, to assist in the development of Professor Christopher Hunter's start-up research programme in the area of Physical Organic and Supramolecular Chemistry. (Applicant: Professor Christopher Hunter)

Chemistry: a grant of £63,064 over three years (the third year is in the form of underwriting), from the Opportunities Fund, towards the salary costs of Dr Arik Kar, to work as a Research Associate on the project titled 'Core@Shell Semiconductor Nanomaterials for the Photocatalytic Continuous Flow Treatment of Xanthene Dyes'. (Applicant: Dr Andrew Wheatley)

Chemistry: a grant of £32,000 over two years, towards the salary costs of Dr Robert Phipps, to work as a Research Associate on the project titled 'Exploiting Non-Covalent Interactions for Control in Catalysis'. (Applicant: Professor Matthew Gaunt)

Chemistry: a grant of £20,985 over one year, for six months of the salary and consumables costs of Dr Mingjin Tang, to work as a Research Associate on the project titled 'Investigation of Key Gas-Particle Reactions Important for Stratospheric Climate Engineering'. (Applicant: Dr Markus Kalberer)

Criminology: a grant of £40,897 over one year, for eight months of the salary costs of Dr Susie Hulley and Ms Serena Wright, to work as Research Associates on the project titled 'Experiencing Very Long Term Imprisonment from Young Adulthood: Identity, Adaptation and Penal Legitimacy'. (Applicant: Dr Ben Crewe)

Economics: a grant of £27,818 over one year, from the Opportunities Fund, towards the salary costs of a Research Associate to work on the project titled 'A Platform for Interactive Online Experiments' and the supervision of Dr Edoardo Gallo. (Applicant: Dr Edoardo Gallo)

Engineering: a bridging grant of £39,469 over one year, towards salary costs of Mr Hanbin Ma, to work as a Research Associate on the project titled 'Development of an Impedance Spectroscopy-Based Label-Free DNA Detection Platform Employing Disposable Sensor Array'. (Applicant: Professor Arokia Nathan)

Fitzwilliam Museum (on behalf of the eight museums that make up the University of Cambridge Museums group): a grant of £50,000 over one year, towards the salary costs of Ms Kirstie Williams, Conservator of Organic Materials, as well as consumables and conservation costs for the project titled 'University of Cambridge Museums, Collections Care and Conservation'. (Applicant: Ms Julie Dawson)

Geography: a grant of £35,000 over one year, towards the salary costs of Mr Nial Peters, to work as a Research Associate on the project titled 'Physical Constraints for the Interpretation of Open-Vent Volcanism'. (Applicants: Professor Clive Oppenheimer and Professor Andrew Woods)

Gurdon Institute: a grant of £18,985 over one year, for six months of the salary costs of Dr Usua Laresgoiti Garay, to work as a Research Associate on the project titled 'Stat Signalling and Foetal Lung Maturation'. (Applicant: Dr Emma Rawlins)

Gurdon Institute: a grant of £20,676 (part of which is in the form of underwriting) towards the salary costs of Dr Magdalena Koziol, to work as a Research Associate on the project titled 'Identification, Function and Mechanism of Methylated RNAs in Early Development'. (Applicant: Professor Sir John Gurdon)

History and Philosophy of Science: a grant of £36,845 over one year, towards the salary costs of Dr Boyd Brogan, to work as a Research Associate on the project titled 'Women's Diseases in Early Modern Medical Records'. (Applicant: Dr Lauren Kassell)

Materials Science and Metallurgy: a grant of £25,175 over two years, towards sixteen months of the salary costs of Dr Josée Kleibeuker to work as a Research Associate on the project titled 'Integrated Thin Film Deposition and Analysis System'. (Applicant: Professor Judith Driscoll)

Materials Science and Metallurgy: a grant of £19,327 over one year, towards the salary costs of Dr Anup Patel, to work as a Research Associate on the project titled '3D Structured Composite Superconducting Bulks for Permanent Magnet and Magnetic Bearing Applications'. (Applicant: Professor Bartlomiej Glowacki)

Medical Genetics: a grant of £19,882 over one year, towards the salary costs of a part-time UK-PSC study Administrator/Data Manager for the project titled 'Molecular Phenotyping of the UK-PSC Cohort to Guide the Development of Personalized Medicine for Primary Sclerosing Cholangitis'. (Applicants: Dr Richard Sandford and Dr George Mells)

Medieval and Modern Languages: a grant of £11,500 over one year, towards the salary costs of Ms Marta Cenedese, while he revises his thesis for publication (MHRA Research Scholar in the Modern European Languages Scheme matching funding). (Applicant: Dr Martin Crowley)

Medieval and Modern Languages: a grant of £10,500 over one year, towards the salary costs of Mr Paul Lennon, while he revises his thesis for publication (MHRA Research Scholar in the Modern European Languages Scheme matching funding). (Applicant: Dr Rodrigo Cacho)

Pathology: a grant of £37,131 over one year, towards salary costs of Ms Guia Carrara to work as a Research Associate on the project titled 'The Role of Human Golgi Anti-Apoptotic Protein in Cancer'. (Applicant: Professor Geoffrey Smith)

Pharmacology: a grant of £28,660 over one year, towards the salary costs of Dr Anasuya Chattopadhyay and Dr Fengzhi Zhang to work as Research Associates on the project titled 'Targeting Protein-Protein Interactions of the Oncoprotein Gankyrin for the Treatment of Hepatocellular Carcinoma and Other Cancers'. (Applicant: Dr Laura Itzhaki)

Physiology, Development and Neuroscience: a grant of £40,324 (part of which is in the form of underwriting), from the Opportunities Fund, towards the salary costs of Dr Rajesh Shahapure to work as a Research Associate on the project titled 'The Role of Mechanics in Neuronal Maturation'. (Applicant: Dr Kristian Franze)

Plant Sciences: a grant of £41,134 over one year, from the Opportunities Fund, towards the salary costs of Dr Enrico Gobbato to work as a Research Associate on the project titled 'Early Signalling Events during Cereal Symbiosis'. (Applicant: Dr Uta Paszkowski)

Plant Sciences: a grant of £36,277 over two years, from the Opportunities Fund, towards the salary costs of a Research Associate to work on the project titled 'From Cacti to Carnivores: Transcriptomics to Explore the Evolution and Adaptation of Extremophiles'. (Applicant: Dr Samuel Brockington)

Politics and International Studies: a bridging funding of £25,000 (partly in the form of underwriting) over one year, for eight months of the salary costs of Dr Claudia Lopes to work as a Research Associate on the project titled 'African Politics and the Digitally-Mediated Public Sphere'. (Applicant: Dr Sharath Srinivasan)

LEVERHULME EARLY CAREER FELLOWSHIPS

The Trust agreed to provide matching support over three years for 57 Leverhulme Early Career Fellowship candidates. Of these candidates 14 were successful in the Leverhulme Competition, as shown in the table below. Two successful candidates (marked in red) declined the LEC Fellowship offer in favour of other research Fellowships.

The cost of the 12 Fellowships awarded in 2013-14 will be up to £828,000 over three years.

Department	Applicant
Applied Mathematics and Theoretical Physics	Dr Adrian Barker
Archaeology and Anthropology	Dr Andrew Clarke
Chemistry	Dr Robert Phipps
Computer Laboratory	Dr Ekaterina Shutova
English	Dr Katherine Kennedy
English	Dr Jaclyn Rajsic
Geography	Dr Alison Banwell
Modern and Medieval Languages	Dr Josephine von Zitzewitz
Music	Dr Matthew Machin-Autenrieth
Physics	Dr Gareth Conduit
Physics	Dr Akshay Rao
Politics and International Studies	Dr Justin Pearce
Politics and International Studies	Dr David Blunt
Zoology	Dr Corina Logan

ESRC FUTURE LEADERS SCHEME

Similarly to the Leverhulme Early Career Fellowships, this scheme provides support to high-quality postdoctoral researchers within 4 years of their PhD in order to enable outstanding early-career social scientists to acquire the skills set to become future leaders in their field. The Trustees agreed to support up to 10 applications to the ESRC Future Research Leaders Scheme each year for an initial period of three years beginning in 2013 for named individuals chosen by the University's selection process (subject to further discussions with the Trust about this). The extent of the Newton Trust support for each application is 40% of the ESRC award up to a maximum of £18,500 per year for up to three years (up to £55,500 in total for each applicant). The scheme will be reviewed in November 2015.

In 2013-14 the Trust agreed to support the following three ESRC successful candidates:

Department	Applicant
Sociology	Dr Liberty Barnes
Sociology	Dr Rory Coulter
Law	Dr Sarah Nouwen

SMALL RESEARCH GRANTS SCHEME

The Trustees agreed in 2009 to provide £40,000 each year for three years in the first instance, to fund a scheme of Small Research Grants for the Schools of Arts and Humanities and Humanities and Social Sciences, for which all University Teaching Officers and College Teaching Officers are eligible to apply. In November 2011 they reviewed the scheme and agreed that it should be renewed for a further period of 3 years, to July 2015. They agreed that the Schools might roll over unspent money to future years, or over-allocate modestly in any one year if necessary.

The aim of the scheme is to allow teaching staff to employ junior-level research assistance on their research projects. The maximum grant offered is £1,000 and matching funding is not required.

The administration of the grants is undertaken by the Schools and the Trust is invoiced each year. Reports on the scheme are received from both Schools each year and the latest are summarised below. Each School also provided a detailed financial breakdown and individual reports from award holders.

At their July 2014 meeting the scheme was noted still to be an evident success and Trustees agreed to renew funding for four further years (2015-19). The Director drew the attention to the fact that both the School of Humanities and Social Sciences and the School of Arts and Humanities had not made full use of the funds received and, consequently, had reserves accumulated over the years. It was therefore agreed that from 2015 the award to the School of Humanities and Social Sciences should be

£15,000 a year until the reported underspend is below £5,000, when it would revert to £20,000. The award to the School of Arts and Humanities should be £10,000 a year until the reported underspend will be reduced to below £10,000, and then £15,000 on the same terms as for the SHSS above.

Report from the School of Arts and Humanities (2013-14)

There were two funding rounds in November 2013 and March 2014. Ten bids were received, of which nine were approved as fitting the criteria of the scheme.

The total value of the awards made was £8,090 and the average value of each award was £810.

Most of the awards were made to support research assistance, generally involving the employment of students for specific research projects.

Report from the School of Humanities and Social Sciences (2013-14)

There were two bids in January 2014 and April 2014. Applications consisted of completing a form providing details on the proposed work, costings and possible other funding.

This year 27 bids were received from the Faculties of Human, Social and Political Science, Education, Economics, History and Law as well as the Department of History and Philosophy of Science. The total funds requested amounted to £23,805.

The School Research Committee made 26 awards totalling £19,664, with an upper limit of £750 per award.

RESEARCH FELLOWSHIP SCHEME

The Isaac Newton Trust Research Fellowship Scheme, established in 2010, was reviewed in 2013. As a result of the review, the Trust will continue to offer the scheme, resources permitting, as long as it fulfils a useful purpose. The scheme will continue to be reviewed regularly.

Less well-endowed colleges (see Appendix 2) are offered 50% funding for a Fellowship, which they agree to advertise across the range of the Humanities, up to a maximum of £15,000 per year for three years. There are no restriction on the source of the matching funding provided by the colleges, as long as the Fellowship otherwise could not be offered.

There are two application rounds per year: January and July.

In January 2014 one application was received from St Catharine's College and it was successful. In July 2014 three applications were received from Churchill College, Newnham College, and St Edmund's College and they were all successful.

Below is the list of the current posts, including the new ones (marked in red) starting in October 2014 and October 2015 as a result of the 2014 competitions:

Department	RA	Start Date	Description
Churchill College	tbc	01-Oct-15	tbc
Clare Hall	Dr Stephen Mawdsley	01-Oct-12	RF in Humanities: History
Downing College	Dr Michael Housden	01-Oct-12	RF in Sciences: Chemistry
Fitzwilliam College	Mr Stuart Middleton	01-Oct-14	RF in Humanities: History
Fitzwilliam College	Mrs Ailsa Hunt	01-Oct-12	RF in Humanities: Classics
Girton College	Dr Amaleena Damle	01-Oct-11	RF in Humanities: French
Newnham College	tbc	01-Oct-15	tbc
Pembroke College	Dr Chloe Nahum-Claudel	01-Oct-12	RF in Humanities: Social Anthropology
St Catharine's College	Dr David Waddilove	01-Oct-14	RF in Humanities: Law
St Edmund's College	tbc	01-Oct-15	tbc

UNIVERSITY RESEARCH GRANTS

INT/Wellcome Trust ISSF/University of Cambridge Research Support for Biomedical Schools (BIOMED)

The Isaac Newton Trust, the School of the Biological Sciences and the School of Clinical Medicine have set up a joint research grants scheme aimed at recently appointed lecturers in the two biomedical Schools. The objective of the scheme is to provide small research grants to the new lecturers to develop projects leading to full applications for external funding.

The Joint Research Grants Scheme is funded from 3 sources, each of which is contributing £250,000 of the total value of the budget: The Isaac Newton Trust, The Wellcome Trust ISSF and the host departments of the successful applications. The Isaac Newton Trust contributed £250,000 (1/3 of the total fund) on an annual basis for 3 years, starting from the academic year 2012/2013.

The scheme is open to the University Lecturers in the School of Biological Sciences and the School of Clinical Medicine, or persons appointed to the equivalent posts (approved by their Head of the School) within the 3 years of the project start date. The scheme offers research grants of up to £80,000 for a period of up to 2 years. The grants can be used to fund PDRA support (up to the salary point 45), equipment and ancillary consumables. PI Time, student fees and travel are not eligible costs on these grants.

This scheme replaces the funding formerly given by the Isaac Newton Trust to early career UTOs in the biomedical sciences.

In the 2013-14 round 27 applications for funding were received, compared to the 13 applications received in 2012-13. As of the successful applicants from last year's round won an external award, the Panel and the Trust decided that the remaining award funds (£53,017) should be returned back into the scheme. This created a larger budget for this year's competition.

The Panel approved 13 proposals for funding from this scheme, with the total value of £926,850.

Isaac Newton Trust/University of Cambridge Early Career Support for the Schools of Physical Sciences and Technology (INT ECSPST)

Similarly to the INT ISSF scheme, the INT ECSPST is a joint research grants scheme set up by the Isaac Newton Trust and the School of the Physical Sciences and Technology providing small research grants to the new lecturers to develop projects leading to full applications for external funding. This scheme replaces the EPSRC /INT small grants scheme which was set up in 2012/2013 and the funding formerly provided by the Trust to early career UTOs in the Physical Sciences.

The Isaac Newton Trust provides 50% of the total budget; its contribution amounts £150,000 per annum, which, with the matching funds from the Schools involved, brings the annual fund to £300,000. It is envisaged that the scheme will run for 3 years in the first instance, starting from 2013/2014.

The scheme is open to the University Lecturers in the School of Physical Sciences and Technology, or persons appointed to the equivalent posts (approved by their Head of the School) within the 3 years of the project start date. The scheme offers research grants of up to £50,000, for a period of up to 1 year. The grants can be used to fund PDRA support (up to the salary point 45), equipment and ancillary consumables. PI Time and student fees are not eligible costs on these grants. Travel expenditure may be covered from the departmental matching funds. The scheme is open for applications for all departments in Physical Sciences and Technology. However in case of a larger number of applications, priority is given to the applications coming from the science disciplines.

In 2013-14 9 applications for funding were received and one was withdrawn prior to the beginning of the review.

Six proposals were approved, with a total value of £289,042. The outcome was announced in February 2014 and the projects will start during the calendar year of 2014.

OTHER RECURRENT TRUST SCHEMES

THE CAMBRIDGE BURSARY SCHEME: ANNUAL REPORT 2013-14

Summary

As in the previous year, in 2013-14 the Cambridge Bursary Scheme operated under four headings:

- 1) The Main UK scheme, known as Cambridge Bursary Scheme (CBS)
- 2) The Graduate Course in Medicine Bursaries (GCMB), which is a first year bursary scheme for UK and EU students on the Graduate Course in Medicine. This was paid at a flat rate, equivalent to the maximum bursary (£3,500 in 2013-14)
- 3) The PGCE Scheme for UK and EU students who were originally mature undergraduates. This scheme was entirely funded by the University and this was the last year of its operation.
- 4) The 'Old Scheme Bursary', known as OSB, for UK students who matriculated before the higher level of tuition fees came into force in 2006. This scheme was funded by the Trust and the Colleges with no University contribution. This year we received what seem to be the two final applications from students eligible for this scheme.

The University, College and Trust contribution percentages to all schemes remained unchanged this year, as shown in Table 1.

Table 1 - Contribution percentages of University, Colleges and Trust 2013-14

	Trust	University	Colleges	Total
CBS for pre 2012 starters	12%	75%	13%	100%
CBS for 2012 and 2013 starters	12%	50%	38%	100%
GCMB	12%	50%	38%	100%
PGCE	0%	100%	0%	100%

The Trust's overall contribution (which will fall to 10% in 2014-15) was specifically aimed at helping the poorer Colleges to cover the costs of the Schemes.

Cambridge Bursary Scheme (CBS)

The initial and main allocation of bursaries for the CBS took place in Michaelmas Term, with a number of late applications and late financial assessments taking place throughout the academic year. In addition, some awards were made that were delayed from earlier academic years.

A summary of the 2013-14 bursaries awarded is shown in Table 2a (awards by number of students) and 2b (awards by expenditure). Pending (and therefore unpaid) 2013-14 bursaries and payments for the previous academic years are shown on separate lines.

Table 2a - All Bursaries 2013-14 by number of students (pending bursaries are in italics)

	1st Year	2nd Year	3rd Year	4th+ Yrs. (2006-2010)	Total
CBS 2013-14 (awarded)	610	624	713	414	2361
<i>CBS 2013-14 (pending)</i>	<i>33</i>	<i>21</i>	<i>15</i>	<i>14</i>	<i>83</i>
CBS back payments		3	5	6	14
Old Scheme 2013-14				2	2
GCMB 2013-14 (awarded)	10				10
<i>GCMB 2013-14 (pending)</i>	<i>1</i>				<i>1</i>
GCMB Back Payments					
PGCE 2013-14 (awarded)	17				17
<i>PGCE 2013-14(pending)</i>	<i>1</i>				<i>1</i>
Total	672	648	733	436	2489

In 2012-13 the total number of applicants was the following:

685	783	755	447	2672
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Please note that more students were eligible for bursaries in the year-groups that matriculated before 2012, i.e. third years and above in 2013-14. This was because household income limits were higher then.

Table 2b- All Bursaries 2013-14 by expenditure (max. estimated costs for pending bursaries are in italics)

	1st Year	2nd Year	3rd Year	4th+ Yrs (2006-2010)	Total
CBS 2013-14 (awarded)	£1,747,400	£1,786,250	£1,728,350	£1,072,300	£6,334,300
<i>CBS 2013-14 (pending)</i>	<i>£115,500</i>	<i>£73,500</i>	<i>£52,500</i>	<i>£49,000</i>	<i>£290,500</i>
CBS back payments		£2,150	£17,000	£10,500	£29,650
Old Scheme 2013-14				£2,000	£2,000
GCMB 2013-14 (awarded)	£35,000				£35,000
<i>GCMB 2013-14 (pending)</i>	<i>£3,500</i>				<i>£3,500</i>
GCMB Back Payments					
PGCE 2013-14 (awarded)	£16,500				£16,500
<i>PGCE 2013-14(pending)</i>	<i>£1,000</i>				<i>£1,000</i>
Total					£6,712,450

If all pending bursaries are eventually paid, the expected total expenditure for all schemes in 2013-14 (CBS, GCMB, PGCE, OSB – omitting back payments for previous years) will amount to £6,682,800. The actual expenditure to date is £6,417,450.

The University contribution to CBS, CEBS, PGCE and GCMB was £4,569,445, while the Trust and the college contribution were £893,967 and £1,941,513 respectively.

Main scheme (Cambridge Bursary Scheme) statistics

Eligible applicants who matriculated before October 2012 continued to be awarded a bursary on a sliding scale ranging from a maximum of £3,400 (for those with a household income below £25,000) to £0 (for those with a household income above £50,020). Students matriculating in October 2012 and 2013 were awarded a bursary on a sliding scale from a maximum of £3,500 (for those with a household income below £25,000) to £0 (for those with a household income respectively above £42,600 and £42,611).

Of the 2,684 CBS13 applicants, 2,361 were awarded a bursary (88%), 157 were ineligible to receive an award and 20 withdrew. Pending bursaries are 83.

Of the 2,361 bursary awardees 1,440 (61%) declared a household income lower than £25,000. The equivalent percentages were 59% in 2012-13 and 53.4% in 2011-12.

Mature students (i.e. students at the age of 21 or over when matriculating and resident in Cambridge throughout the year) were awarded up to £5,650. There were 79 mature students (76 in 2012-13).

If all pending bursaries are paid, the expected total expenditure for CBS13 will amount to £6,624,800 (£6.68m in 2012). The actual expenditure to date is £6,334,300. The College contribution towards this actual expenditure is £1,706,869.

Because of the change in eligibility criteria in 2012, statistics for first-year applicants alone allow a more consistent comparison to be made about changes in the profile of applicants. For the CBS alone, the number of successful applicants in the post-2012 cohorts has not changed substantially: 610 first years have been awarded bursaries, and 33 more are pending, compared to 631, plus 14 pending, in last year's report.

Of the 610 first year CBS awardees, 396 declared an income that was lower than £25,000 (64.9% of the whole), while 214 indicated an income ranging between £25,001 and £42,611. The equivalent percentage was 64.4% in 2012-13.

Appendix 2 of the report gives a more detailed breakdown of applicant by household income.

The number of bursaries by College is given in Table 3. Information on the number of pending bursaries in each College is provided. Please note that these figures exclude back payments for previous years.

Table 3: Main Scheme Bursary Awards by College

College	No of awards	Total cost of awards (£)	No of pending awards
Christ's College	101	237,800	1
Churchill College	74	175,000	8
Clare College	105	286,250	2
Corpus Christi College	64	163,350	4
Darwin College	0	0	0
Downing College	85	225,050	5
Emmanuel College	104	262,850	0
Fitzwilliam College	82	231,450	1
Girton College	127	323,600	6
Gonville and Caius College	109	298,200	7
Homerton College	133	338,250	3
Hughes Hall	16	75,750	0
Jesus College	92	230,850	0
King's College	95	230,000	2
Lucy Cavendish College	26	129,400	2
Magdalene College	66	163,200	5
Murray Edwards College	85	217,150	5
Newnham College	87	226,000	1
Pembroke College	80	220,200	4
Peterhouse	59	152,050	4
Queens' College	89	217,200	3
Robinson College	92	247,650	7
Selwyn College	91	232,500	3
Sidney Sussex College	80	223,000	0
St Catharine's College	83	234,150	2
St Edmund's College	13	65,050	0
St John's College	104	289,850	1
Trinity College	108	275,500	3
Trinity Hall	71	178,150	4
Wolfson College	40	184,850	0
Total	2361	6,334,300	83

Bursary Compensation Scheme (BCP)

Through the Bursary Compensation Scheme, which applies only to CBS, Colleges who agree to pay any bursary in full are reimbursed for any sum above their required contribution. They pay 100% of a number of sponsor-named bursaries in January and are reimbursed an amount equivalent to the University and Trust contributions at the Trust Year End (June). The Trust's bursary award letters ensure that students understand that their award is part of the Cambridge Bursary Scheme.

This year 15 Colleges took advantage of this arrangement. The compensation payments were £925,346 in June 2014. This is a reduction from the record figure of £1.128m in 2012-13, because Colleges are now responsible for a larger percentage of scheme costs. These payments are included in the expenditure figures above.

INT Collaborators

73 full bursaries were funded by the following Trust collaborators:

The Armourers and Brasiers: 2 bursaries to 3rd year students reading Materials Science and Metallurgy.

Boeing: 14 bursaries to 1st year students reading Engineering.

Citigroup: 24 bursaries to 2nd and 3rd year students expressing an interest in a career in finance.

In 2014-15 this sponsor will support 12 bursaries to be awarded to 3rd year students, and the sponsorship will then end.

Man Group: 25 bursaries to 2nd and 3rd year students expressing an interest in a career in finance. In 2014-15 this sponsor will support 20 bursaries to be awarded to 3rd year students, and the sponsorship will then end.

Sir Edward Snelson: 3 bursaries to students reading a humanities subject. In future 4 students per year will be supported.

Cambridge Graduate Course in Medicine Bursary (GCMB)

A flat rate bursary of £3,500 was available to UK and EU first year students of the Graduate Course in Medicine.

The 2013-14 GCMB awards are shown in Table 4.

Table 4 - GCMB Awards by College

College	No of awards	Total cost of awards
Hughes Hall	2	£7,000
Lucy Cavendish College	5	£17,500
Wolfson College	3	£10,500
Total	10	£35,000

A total of 10 bursaries were awarded at the cost of £35,000. This is a reduction from 13 in 2012-13.

One bursary was incomplete, as the applicant did not provide financial evidence of their eligibility.

Two applicants were ineligible.

The total cost of these bursaries will be £38,500 (University contribution: £19,250, Trust contribution: £4,620 and College contribution: £14,630) if all bursaries are finalised.

Cambridge PGCE Bursary

A bursary of up to £1,000 was available to UK and EU students taking a Postgraduate Certificate in Education course and able to demonstrate that they had been mature undergraduates. The University fully funded these bursaries.

The 2013-14 PGCE Scheme awards are shown in Table 5.

Table 5 - PGCE Awards by College

College	No of awards	Total cost of awards
Emmanuel College	1	£1,000
Homerton College	13	£13,500
Hughes Hall	1	£1,000
Lucy Cavendish College	2	£2,000
Total	17	£16,500

Of the 25 applications received, 7 were ineligible and 1 was incomplete.

A total of 17 bursaries (2012-13: 16) were awarded at the cost of £16,500. The total estimated maximum cost of these bursaries will be £17,500 if one pending bursary is paid.

Old Scheme Bursary (OSB)

The OSB is a remnant of the original Newton Trust scheme, which provided funding for undergraduates before the 2006 tuition fee increase. It is believed that the scheme will terminate this year, once the few eligible students (who have intermitted during their studies) have graduated. This year eligible students received a letter of invitation to apply.

The maximum bursary under this scheme was £1,000. There were two bursary awards in 2013-14 for which the Trust paid £1,688 and the Colleges £312. The University did not contribute to these bursaries. College contribution percentages were calculated according to the rules agreed when the system was set up.

CAMBRIDGE EUROPEAN BURSARY SCHEME: ANNUAL REPORT 2013-14

The Trust continues to administer the Cambridge European Bursary Scheme (CEBS) for EU undergraduates matriculating from October 2010 onwards. In addition, the Trust offers support to a small number of existing undergraduates, previously funded by the Cambridge European Trust, who are now proceeding to a fourth year of studies. The Trust also deals with any new requests for reassessment from existing students who have undergone a change of financial circumstances since the beginning of their course

As Student Loan Company household income data is not currently available for EU students, applicants were also asked to produce documentary evidence of their household income.

Unlike CBS awards, which are made annually, CEBS awards are made at the same rate for three years on the understanding that applicants need to inform the Trust of any major changes in their financial circumstances. EU applicants for the PGCE and the Graduate Course in Medicine are also eligible, but they applied later in the year at the same time as CBS applicants.

Publicity for the CEBS scheme was managed through the Admissions Office website and the Colleges. The latter invited offer-holders to submit an online application and to send signed copies of their evidence of household income (countersigned by the Colleges) to the Trust in March 2013.

In May 2013 decisions were communicated to the applicants through their Colleges, who confirmed in late August whether each applicant had met the conditions of their admissions offer. Payments were made in October 2013.

The scheme was funded on the same basis as the Cambridge Bursary scheme, as shown in Table 1.

European Bursary Scheme Costs

All eligible applicants were offered a bursary on a sliding scale up to £3,500 in line with the UK scheme. Seven applicants (all years) met the criteria for a CEBS14 bursary of up to £5,650, being over 21 when they started their undergraduate course and resident in Cambridge throughout the year.

The number of the 2013 offers, as well as the confirmed awards and bursary costs, is shown in Table 6.

Table 6 - Offers to applicants matriculating in 2013

College	Offers	Confirmed Awards	Total annual cost of awards £
Churchill College	9	7	£24,500
Clare College	5	4	£10,750
Downing College	4	3	£5,750
Emmanuel College	2	1	£3,500
Fitzwilliam College	4	3	£10,500
Girton College	5	2	£7,000
Gonville and Caius	3	3	£10,050
Homerton College	7	7	£21,900
King's College	3	3	£6,300
Lucy Cavendish College	2	1	£1,650
Magdalene College	4	3	£10,500
Murray Edwards College	3	3	£8,900
Newnham College	12	9	£31,500
Pembroke College	5	4	£14,000
Peterhouse	4	4	£13,300
Queens' College	6	3	£9,850
Selwyn College	1	1	£3,500
Sidney Sussex College	3	2	£6,700
St Catharine's College	5	4	£14,000
St Edmund's College	3	3	£7,850
St John's College	4	3	£9,200
Trinity College	22	17	£57,300
Wolfson College	1	1	£1,150
Total	117	91	£289,650

Of the 132 1st year applicants 8 were ineligible and 33 withdrew from the Scheme before matriculation. Therefore 91 bursaries were awarded to 2013 EU starters at a total cost of £289,650. Of the bursaries awarded 68 consisted of the maximum amount (£3,500). No mature students were awarded a bursary.

The College contribution was £110,067 (equivalent to 38% of the total cost). The Trust contribution was £34,758. The University contribution was £144,825.

Numbers and costs by nationality are shown in Table 7.

Table 7 - Numbers and costs by nationality – 2013 cohort

Nationality	No of awards	Total annual cost of awards
Austrian	1	£2,950
British/German	1	£3,500
Bulgarian	5	£15,000
Chinese	1	£3,500
Croatian	1	£3,450
Czech	2	£7,000
Danish	2	£3,400
Estonian	3	£10,450
French/British	1	£3,500
French	3	£10,500
German	5	£15,250
Greek	1	£3,500
Hungarian	14	£47,000
Italian	4	£9,350
Lithuanian	9	£31,350
Nigerian	1	£3,500
Polish	16	£48,450
Romanian	18	£57,500
Slovakian	3	£10,500
Total	91	£289,650

Students who had matriculated in earlier years were also paid a bursary in October 2013. These were 250 and the total cost of their bursaries was £729,475.

Altogether a total of 341 Cambridge European Bursaries were paid in 2013-14 at the cost of £1,019,125, as shown in Table 8. The College contribution was £279,159. The Trust contribution was £122,295. The University contribution was £617,671.

Table 8 - Cambridge European Bursaries 2013-14

	1st Year	2nd Year	3rd Year	4th+ Yrs	Total
Applications originally received (in the year of matriculation)	132	96	111	47	386
Offers originally made	117	94	110	46	367
Number of awards this year	91	95	109	46	341
Total cost	£289,650	£297,050	£288,750	£143,675	£1,019,125

Initial Results of the Cambridge European Bursary Scheme 2014-15

In the year 2013-14 143 students matriculating in MT14 applied for a Cambridge European Bursary. Of these 4 were ineligible and 11 withdrew before decisions on bursary offers. As a result of this, the Trust made 128 offers, of which 87 have so far been confirmed. Currently there are 23 pending awards, as income details of 21 applicants have not been provided yet and 2 college offers still have to be confirmed. At present the total cost of CEBS14 (all years) is £976,560.

Administrative Processes

This year for the first time CBS bursaries were processed through CamSIS. Applications were made available on the student CamSIS pages. These, along with the CamSIS student academic data and the household income information provided by the Student Loan Company, supplied the information necessary for processing of the bursaries. This change streamlined and speeded up the process, which was completed slightly earlier than usual. However there were some first-time glitches and the Trust has had constructive discussions with CamSIS about them. Assuming that the suggestions made are carried out, there should be further efficiency gains in the 2014-15 round.

Periodically the Trust provides the Office of Intercollegiate Services with an accounts report, so that it can recalculate the amount to be contributed by each College in line with their relative wealth. As far as the Trust is aware, this procedure is also operating smoothly.

APPENDIX 1

TUITION FEE WAIVERS

Tuition fee waivers of two kinds are processed and funded through the same mechanisms as the Cambridge Bursary Schemes.

Cambridge Bursaries Fee Waivers

Cambridge bursaries are intended to help students with their living costs. However students matriculating in 2012 and 2013, and in receipt of a Cambridge Bursary of at least £2,000, were offered the opportunity to set all or part of their bursary against their tuition fees, up to a maximum of £3,000. Colleges were asked to discuss this option with those students who had indicated an interest in their application and confirm their decision to the Trust on the definitive fee waiver applicant list.

Of those eligible for the CBS 50 took the fee waiver option in 2013-14, as against 29 in 2012-13.

In 2014-15 and subsequent years this option will be offered only to those students who took it this year. Cambridge Bursary fee waivers will not be available to new students.

National Scholarship Programme

In 2013-14 297 tuition fee scholarships worth £6,000 each were offered to English or EU first year applicants who were care leavers, single parents, had a disability or had received free school meals. In addition awards were offered to applicants with a household income below around £24,000. Each award was partly funded by the Government (£3,000), and by the University, Colleges and Trust (£3,000), whose contributions were divided on the same basis as post-2012 bursaries.

The Trust this year took on the administration of applications and the making of payments. The process was, as before, overseen by a committee within the University.

The full cost of the scheme was £891,000. The College contribution was £338,580, while the Trust and University contribution was respectively £106,920 and £445,500.

In 2014-15 the NSP will be run for the last time.

Appendix 2

Bursary Report appendix 2 - Figures from 2013-14 for forward comparison purposes

In 2013-14 the upper household income limit for eligibility for a Cambridge Bursary for new starters was £42,611, while the upper household income limit for a maximum bursary was £25,000.

For OFFA reporting purposes household income data of 2013-14 bursary applicants has been gathered, in order to show the numbers falling within these thresholds for each cohort, divided between mature and non-mature applicants.

Income threshold	Age	2007-08 entrants	2008-09 entrants	2009-10 entrants	2010-11 entrants	2011-12 entrants	2012-13 entrants	2013-14 entrants	PGCE 2013-14	GCMB 2013-14	Total
£0 – £9999	Standard	£3,400	£59,700	£32,050	£253,300	£570,450	£587,200	£563,250	£0	£0	£2,069,350
	Mature	£0	£22,000	£33,450	£39,200	£121,250	£66,450	£64,000	£12,000	£17,500	£375,850
£10,000-£15,999	Standard	£0	£13,600	£5,350	£129,200	£270,900	£293,100	£288,900	£0	£0	£1,001,050
	Mature	£0	£0	£0	£0	£16,800	£0	£5,200	£1,000	£0	£23,000
£16,000-£24,999	Standard	£2,950	£20,400	£29,900	£207,200	£356,000	£457,800	£450,850	£0	£0	£1,525,100
	Mature	£0	£0	£0	£5,600	£11,200	£5,600	£4,600	£3,000	£0	£30,000
£25,000-£42,611	Standard	£0	£12,150	£20,250	£162,200	£354,800	£374,200	£361,550	£0	£0	£1,285,150
	Mature	£0	£0	£0	£3,350	£6,300	£0	£9,050	£500	£17,500	£36,700
Over £42,611	Standard	£0	£550	£1,500	£8,950	£20,650	£1,900	£0	£0	£0	£33,550
	Mature	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
Totals		£6,350	£128,400	£122,500	£809,000	£1,728,350	£1,786,250	£1,747,400	£16,500	£35,000	£6,379,750

£0 – £9999	Standard	1	23	12	78	170	173	165	0	0	621
	Mature	0	4	6	7	22	13	12	12	5	81
£10,000- £15,999	Standard	0	4	2	38	82	85	84	0	0	298
	Mature	0	0	0	0	3	0	1	1	0	5
£16,000 - £24,999	Standard	1	6	9	62	107	130	133	0	0	448
	Mature	0	0	0	1	2	1	1	3	0	8
£25,000 - £42,611	Standard	0	8	14	98	243	221	211	0	0	795
	Mature	0	0	0	1	2	0	3	1	5	12
Over £42,611	Standard	0	1	6	30	82	1	0	0	0	120
	Mature	0	0	0	0	0	0	0	0	0	0
Totals		2	46	49	315	713	624	610	17	10	2388

Cambridge Bursary Scheme
Schedule of Estimated Costs 2014-15

	£m	£m	£m
Bursaries Reserve Fund 2013-14 (Actual)			
Balance brought forward from 2012-13		▼	(0.046)
Rec'd from University towards bursaries in 2012-13		▼	5.112
Actual cost of old-regime bursaries to 30 June 2013:	▼ 3.247		
Less paid by Colleges (13%) and by Newton Trust (12%)		▼ (0.812)	
University Contribution (75%)			▼ (2.435)
Actual cost of new-regime bursaries (including NSP) to 30 June 2013:	▼ 5.034		
Less paid by Colleges (38%) and by Newton Trust (12%)		▼ (2.517)	
University Contribution (50%)			▼ (2.517)
reimbursements			▼ 0.013
PGCE bursary scheme (100% paid by University)	▼ 0.017		▼ (0.017)
Administrative costs	▼ 0.032		▼ (0.032)
Interest plus Snelson Fund income			▼ 0.006
Balance carried forward to 2014-15			▼ 0.084

This figure has been reconciled with the sum in the Trust's ring-fenced university contribution account at the end of June 2014, which shows a surplus of £84,444 owed by the Trust to the University.

Bursaries Reserve Fund 2014-15 (Estimated)	£m	£m	£m
Balance brought forward from 2013-14		▼	0.084
Estimated cost of new bursaries for old fee regime students in 2014-15	▼ 1.065		
Cost of European Bursaries for old fee regime students, 2014	▼ 0.143	▼ (1.208)	
Less paid by Colleges and Newton Trust (25%)		▼ 0.302	
University Contribution (75%)			▼ (0.906)
Estimated cost of bursaries (incl GCM) for new fee regime students	▼ 5.435		
Estimated cost of NSP awards	▼ 0.930		
Cost of European bursaries for new regime students in 2013	▼ 0.935	▼ (7.300)	
Less paid by Colleges and Newton Trust (50%)		▼ 3.650	
University Contribution (50%)			▼ (3.650)
Administration charge			▼ (0.025)
HEBSS enrolment charge			▼ (0.008)
Interest plus income from Snelson Fund			▼ 0.007
Balance			▼ 4.498

Total Requested from University in September 2014: £550k

Total Requested from University in December 2014: £3.948m

CAREERS SERVICE INTERNSHIPS BURSARY SCHEME

In November 2011, the Trustees agreed to support the Careers Service's scheme to offer bursaries to undergraduate students undertaking internships in the vacations with organisations that were not able to offer them proper paid work. The scheme had previously been funded by corporate partners of the Careers Service, who supported 20 £500 bursaries each year. The commitment by the Trust facilitated an approach to the Vice-Chancellor's Fund and both bodies agreed to contribute £10,000 a year for three years, increasing the number of bursaries from 20 to about 60. In 2013 an extra source of funding was identified and 80 bursaries were awarded. In November 2013 the Trustees agreed to renew their funding for this scheme for a further three years at the present level of £10,000 per year.

Students supported by the Cambridge Bursary Scheme are given priority for these bursaries.

In 2012-13 200 applications were received, of which 46 were from students in receipt of a Cambridge Bursary; 61 £500 bursaries were awarded, of which 25 were given to students in receipt of a Cambridge Bursary.

SUPPORT FOR GRADUATE STUDENTS

Aims and objectives

To award research studentships to the best 'Home' (i.e. UK and EU) students who fail to gain support from public sources such as the Research Councils and the AHRC.

Policy

Since 1997 the Newton Trust has been contributing to the funding of PhD students through annual grants to the Board of Graduate Studies (now the Student Registry). Since 2009 it has also been assisting MPhil studentships. The history of this support is detailed in previous Annual Reports.

In 2012 the Trust agreed to continue to support three PhD studentships per year for the duration of the AHRC DTP scheme 2014-19, and four MPhil studentships per year for the same period of time. In the year 2013-14 the Trust contributed £176,022 towards the costs of PhD studentships and £41,328 to support four new MPhil studentships.

In 2013, after discussions within the University about the possibility of setting up a new funding scheme for research MPhils, it was agreed that a Newton CHESS MPhil Studentship Scheme for UK students would run on a pilot basis for the 2014 entry. This would replace the commitment to support four MPhil studentships per year mentioned above. The Trust would match core funding from CHESS and any funding put forward by individual colleges whose participation to the scheme would

be entirely voluntary. This initial pilot has been successful and more details will be given in next year's Report.

CHESS Expenditure 2008-2014

	2008-9 £	2009-10 £	2010-11 £	2011-12 £	2012-13 £	2013-14 £	Totals £
Special funding in lieu of AHRC support	133,000	131,000	131,000	35,000			430,000
PhD studentships 2009-12		55,092	44,731	38,222			138,045
PhD studentships 2010-13			56,352	57,333	57,801		171,486
PhD studentships 2011-14				57,333	57,801	58,674	173,808
PhD studentships 2012-15					57,801	58,674	116,475
PhD studentships 2013-16						58,674	58,674
MPhil studentships 2010-11			42,000				42,000
MPhil studentships 2011-12				44,248			44,248
MPhil studentships 2012-13					44,628		44,628
MPhil studentships 2013-14						41,328	41,328
Totals	133,000	186,092	274,083	232,136	218,031	217,350	1,260,692

LECTURESHIP SCHEME FOR COLLEGE TEACHING OFFICERS (CTOs)

Aims and objectives

The aim of this scheme is to increase CTO involvement in Faculty teaching and the amount of University teaching available, to allow Faculties to choose such extra teachers from CTO ranks as they wish, to make it possible for the Tuition Funds of poorer Colleges to afford the consequent reduction in the amount of CTO teaching, to provide a career training opportunity, and to achieve these aims through a scheme that is simple to operate. Tenure in these posts was initially limited to a maximum of ten years. In a review of the scheme in 2004 the maximum tenure was reduced to 8 years to offer greater opportunity to CTOs appointed by Colleges for short periods to compete for a post.

A list of Colleges eligible to participate in the scheme may be found in Appendix 2.

In 2010-11 it was decided to wind the scheme up as vacancies occur over the next five years and not to make any new appointments.

Summary 2013-14

Sixteen posts, of which one was a half post, were active in 2013-14; there were two resignations and three extensions during the year.

No new appointments will be made, but Faculties may request the re-appointment of existing post-holders up to a maximum of 8 years' tenure. At present the final payments to Colleges are scheduled for July 2016, but if all eligible posts were

renewed the scheme would continue to July 2019. The cost of the CTO scheme for the academic year 2013-14 was £58,786 (it was £80,578 in 2012-13).

Active posts

Department	CTO name	Start Date	End Date	MaxTenure
Economics	Dr Sriya Iyer (St Catharine's College)	01-Oct-07	01-Oct-16	01-Oct-16
Economics	Dr Gabriel Leon (St Catharine's College)	01-Oct-07	30-Sep-15	30-Sep-15
English	Dr Hester Lees-Jeffries (St Catharine's College)	01-Oct-11	30-Sep-13	30-Sep-19
History	Dr Ben Griffin (Girton College)	01-Oct-11	30-Sep-16	30-Sep-19
History	Dr Emma Hunter (Gonville & Caius)	01-Jan-11	30-Sep-15	30-Sep-18
History	Dr Clare Jackson (Trinity Hall)	01-Apr-06	30-Sep-13	31-Mar-15
History	Dr Richard Serjeantson (Trinity College)	01-Oct-08	30-Sep-14	30-Sep-17
History	Dr Andrew Thompson (Queens' College)	01-Oct-11	30-Sep-16	30-Sep-19
Mathematics	Dr Maciej Dunajski (Clare College)	01-Oct-06	30-Sep-14	30-Sep-14
Mathematics	Dr Paul Russell (Churchill College)	01-Oct-08	30-Sep-16	30-Sep-16
Mathematics	Dr Simon Wadsley (Homerton College)	01-Oct-08	30-Sep-16	30-Sep-16
MML	Dr Stuart Davis (Girton College)	01-Oct-08	30-Sep-16	30-Oct-16
MML	Dr Miranda Griffin (St Catharine's College)	01-Oct-10	30-Sep-15	30-Sep-18
MML	Dr Isabelle McNeill (Trinity Hall)	01-Oct-06	30-Sep-16	30-Sep-16
MML	Dr Olivier Tonneau (Homerton College)	01-Oct-09	30-Sep-14	30-Sep-17
MML	Dr Charlotte Woodford (Selwyn College)	01-Oct-06	30-Sep-14	30-Sep-16

Extensions and resignations

- Dr Clare Jackson (Trinity Hall), Faculty of History. Resigned with effect from 1st October 2013 to take up the role of Senior Tutor at Trinity Hall.
- Dr Hester Lees-Jeffries (St Catharine's College), Faculty of English. Resigned with effect from 1st September 2013.
- Dr Paul Russell (Churchill College), Department of Mathematics. Renewal for a further three years from 1st October 2013.
- Dr Simon Wadsley (Homerton College), Department of Mathematics. Renewal for a further three years from 1st October 2013.
- Dr Charlotte Woodford (Selwyn College), Department of Modern and Medieval Languages. Renewal for one further year from 1st October 2013.

CTO RESEARCH LEAVE SCHEME

In 2013-14 the Newton Trust launched a new scheme to support high-quality research among established CTOs in the University. As this is an experimental scheme, it will be run for three years in the first instance.

Being aware of the fact that CTOs for various reasons sometimes lack opportunities to take leave for research purposes, the Trust proposes this scheme as one of its research initiatives rather than one of its ventures to support the poorer colleges. For this reason the scheme is open to CTOs from all colleges.

Aims and objectives

The aims of this scheme are to offer Colleges the opportunity to make a junior short-term teaching appointment to replace a CTO who can take an extended period of leave for a significant research project.

Policy

Colleges must agree to offer the CTO two terms of leave, of which one should be a sabbatical leave already accrued as per contractual entitlement. Colleges may choose to offer the CTO a second term of leave to allow the CTO to take a one-year long research leave.

The substitute teaching appointment must be full-time, normally to a category of Fellowship, and preferably lasting for one year and not less than 9 months.

There is one application round per year in February.

Appointments made

In the year 2013-14 four colleges were successful in this competition. Each was offered a grant of £27,500. As one college (Fitzwilliam) declined the offer due to the post holder's lectureship appointment, three colleges will be able to make a substitute teaching appointment to replace the following CTOs in 2014-15:

Name	Department	College
Dr Deborah Bowman	English	Gonville and Caius
Dr Maciej Dunajski	DAMTP	Clare
Dr Leo Mellor	English	Murray Edwards
Dr Iris Möller	Geography	Fitzwilliam

TIME-LIMITED TEACHING FELLOWSHIPS SCHEME

Summary

The aims and objectives of this scheme are to strengthen the undergraduate supervision system at the less well-endowed Colleges and to help to integrate postdoctoral researchers into College life. The rules of the scheme may be found on the Trust's website. A list of Colleges eligible to participate in the scheme may be found in Appendix 2.

Policy

The Trustees agreed in 2000 to make up to 25 posts available for young postdoctoral researchers to be elected to teaching Fellowships at the less well-endowed Colleges. The number of posts available under the scheme was increased from 25 to 30 in 2005. Each appointment may be held for up to 5 years. The duties of each person appointed include giving 4 hours per week of undergraduate supervision. In return the Trust pays the College £5,000 per annum toward the overheads involved.

Appointments made

In 2013-14 three new appointments starting on 1 October 2014 were made and one position was renewed for a further three years.

The list of the active positions during the year is below. New appointments are marked in red and renewed appointments are marked with an asterisk.

Name	Department	College	Start Date	End Date	Max Tenure
Dr Helen Yannakoudakis	Computer Laboratory	Girton College	01-Oct-14	30-Sep-18	30-Sep-18
Dr Timos Kipouros	Engineering	Homerton College	01-Oct-13	30-Sep-15	30-Sep-18
Dr David Bosworth	Materials Science and Metallurgy	Hughes Hall	01-Oct-14	30-Sep-16	30-Sep-18
Dr Jodie Allen	Institute of Public Health	Lucy Cavendish College	01-Oct-13	30-Sep-14	30-Sep-18
Dr Tereza Cindrova-Davies	Physiology, Development and Neuroscience	Lucy Cavendish College	01-Oct-11	30-Jun-14	30-Sep-15
*Dr Shona Wilson	Pathology	Lucy Cavendish College	01-Oct-13	31-Jan-17	30-Sep-17
Dr Lisa Wu	Metabolic Research Laboratories, Wellcome Trust-MRC Institute of	Lucy Cavendish College	01-Oct-14	30-Sep-16	30-Sep-18
Dr Shakil Awan	Engineering	Newnham College	01-Oct-12	30-Sep-14	30-Sep-17
Dr Luis Garcia-Gancedo	Engineering	Newnham College	01-Oct-11	30-Sep-14	30-Sep-16
Dr Cath Lindon	Genetics	Newnham College	01-Oct-10	30-Sep-14	30-Sep-15
Dr Barbara Lorber	Centre for Brain Repair	Newnham College	01-Oct-10	30-Sep-14	30-Sep-15
Dr Nathalie Vriend	DAMTP	Newnham College	01-Oct-11	30-Jun-14	30-Sep-16
Dr Anna Paterson	Clinical Medicine	Queens' College	01-Oct-11	07-Aug-14	30-Sep-16
Dr Ana Rossi	Pharmacology	Queens' College	01-Oct-09	30-Apr-14	30-Sep-14
Dr Kevin Chalut	Physics	Robinson College	01-Oct-11	30-Sep-16	30-Sep-16
Dr Alex Chin	Physics	Robinson College	01-Oct-13	30-Sep-16	30-Sep-18
Dr Gary Doherty	Oncology	Robinson College	01-Oct-13	30-Sep-17	30-Sep-18
Dr Paul Griffiths	Chemistry	Robinson College	01-Oct-12	30-Sep-16	30-Sep-17
Dr Rosie Bolton	Astrophysics	Selwyn College	01-Oct-10	01-Mar-14	30-Sep-14
Dr Jonathan Gair	Astronomy	St Catharine's College	01-Jan-09	30-Dec-13	30-Dec-13
Dr Stefan Marciniak	CIMR	St Catharine's College	01-Oct-11	31-Oct-16	30-Sep-16
Dr Jose Rafael Castrejon-Pita	Engineering	Wolfson College	01-Oct-13	31-Jan-15	30-Sep-18

APPENDICES

Appendix 1: List of Colleges eligible for College Teaching Officer,
Time- Limited Teaching Fellowships and Research Fellowship
Schemes

Appendix 2: Consolidated list of grants 2008 -2014
Research grants awarded (by Department)

APPENDIX 1

Colleges eligible to take part in the Research Fellowships Scheme and the Time-Limited teaching Fellowships Scheme, and designated as 'poorer' Colleges for the purposes of the Lectureships for College Teaching Officer Scheme.

Churchill College
Downing College
Fitzwilliam College
Girton College
Homerton College
Hughes Hall
Lucy Cavendish College
Magdalene College
Murray Edwards College
Newnham College
Pembroke College
Queens' College
Robinson College
Selwyn College
St Catharine's College
St Edmund's College
Wolfson College

APPENDIX 2

Consolidated list of grants 2008 – 2014

The following Tables list all the grants (including those made under the Leverhulme Early Career Fellowship Matching Funding Scheme) that the Trustees have approved in the six year period from July 2008 to June 2014.

Grants marked as 'offered' have not been paid yet either because circumstances have changed or the Trust's matching requirement has not been met yet. Grants marked as 'confirmed' indicate that the matching requirement has been met.

The column headed 'Matching Required' indicates the total matching sum (normally from sources outside Cambridge) required to release the Newton Trust grant.

The following abbreviations are used:

AA - Additional Appointment (i.e. salary costs)
EG - Equipment Grant
AC - Associated Costs (e.g. consumables)
LECF - Leverhulme Early Career Fellowship Matching Funding
UL - University Lectureship
SF - Strategic Funding
PS - Professorial Support

The correspondence of minute numbers to meeting dates is as follows:

Year	Minutes	Year	Minutes
1988	1 – 26	2002	2.00 – 2.49
1989	27 – 94	2003	3.00 – 3.53
1990	95 – 185	2004	4.00 – 4.55
1991	186 – 264	2005	5.00 – 5.57
1992	265 – 322	2006	6.00 – 6.60
1993	323 – 388	2007	7.00 – 7.62
1994	389 – 447	2008	8.00 – 8.54
1995	448 – 496	2009	9.00 – 9.53
1996	497 – 535	2010	10.00 -10.44
1997	536 – 578	2011	11.00 -11.46
1998	579 – 621	2012	12.00-12.47
1999	622 – 695	2013	13.00-13.47
2000	696 – 766	2014	14.01-14.16
2001	1.00 – 1.59		