

Carnegie Trust for the Universities of Scotland

Summary report: Research Incentive Grants

Deadline: March 2016

1. Submissions and review process

1.1. Summary data

- 111 applications were submitted
- 12 applications were judged ineligible
- 35 awards were made, 19 of these were in Arts, Humanities or Social Sciences and 16 in Science, Technology and Engineering
- The total amount awarded was £195,392 and the average value of award was £5,583.

1.2. Ineligible applications

On receipt of applications, a number did not meet the eligibility criteria or remit of the scheme for the following reasons:

- The applicant's fixed term contract did not extend for 6 months after the end date of the proposed project;
- The proposed activities did not fit with the remit of the scheme, e.g. hosting a conference;
- The application had not been signed off by the Head of Department and Research Office;
- The application was predominately dissemination activities.

These applications were therefore not considered for peer review.

1.3. Peer review process

In total, 153 Carnegie Research Assessors contributed to the review process, 94 in the Arts, Humanities, and Social Sciences, and 59 in the Science, Engineering, and Technology. Among the reviewers, 33 were recruited for this particular round to fill gaps in expertise. These experts were recruited both in the UK and internationally.

Assessors were asked to review proposals against the following criteria¹:

- Significance and originality
- Feasibility
- Outcomes and outputs
- Overall quality

Two Selection Committees were formed to consider the proposals and the Assessors' reports:

Committee A: Arts, Humanities & Social Sciences, chaired by Prof Jochen Clasen (Edinburgh) and including: Prof Janeen Carruthers (Glasgow), Prof Phillip Cooke (Strathclyde), Dr Sabine Dedenbach-Salazar Saenz (Stirling), Prof Christian Ewald (Glasgow), Dr Ed Hall (Dundee), Prof Andrew Pettegree (St Andrews), Dr Jeremy Valentine (Queen Margaret).

Supported by Prof Andy Walker, Daniela Bolle and Diane Stewart (CTUS).

¹ More details on the assessment process and criteria can be found on the Trust website:
<http://www.carnegie-trust.org/schemes/research-schemes/review-process.html>

Committee B: Science, Engineering & Technology, chaired by Prof Garry Pender (Heriot-Watt), and including:

Dr Paul Adderley (Stirling), Prof Richard Connor (Strathclyde), Prof David Coplestone (Stirling), Dr Gary Hutchison (Napier), Prof Martin McCoustra (Heriot-Watt), Prof Nigel Mottram (Strathclyde), Dr Paul Mulheran (Strathclyde), Prof Wilfred Otten (Cranfield formerly Abertay), Prof Frank Sargent (Dundee), Prof Emanuele Trucco (Dundee).

Supported by Prof Andy Walker, Daniela Bolle and Diane Stewart (CTUS).

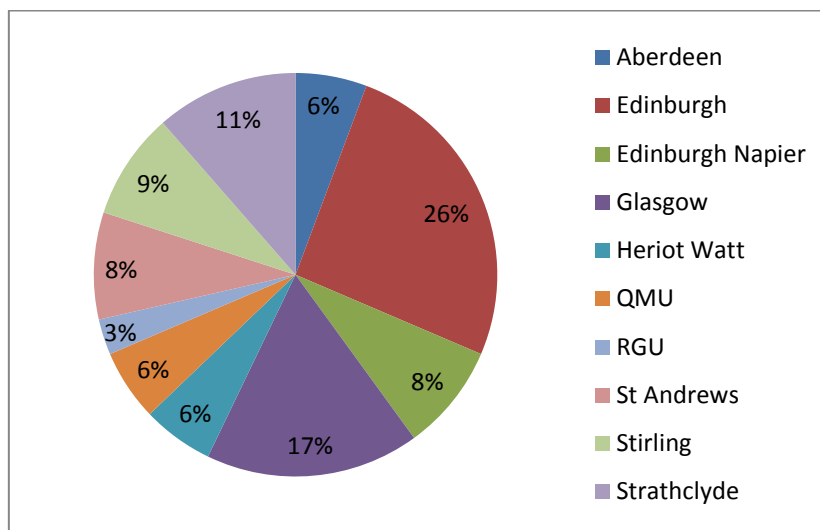
2. Awards and success rate

2.1. Overall success rate

The overall success rate was 35% (excluding ineligible applications). The table below shows the numbers of applications received and the awards made by university of affiliation:

University	Applied	Not Eligible	Refused	Awarded
Aberdeen	11	1	8	2
Abertay	4		4	0
Dundee	3		3	0
Edinburgh	18	3	6	9
Edinburgh Napier	7	2	2	3
Glasgow	15	1	8	6
Glasgow Caledonian	4	3	1	0
Heriot Watt	7		5	2
QMU	5		3	2
RGU	6		5	1
St Andrews	7		4	3
Stirling	8		5	3
Strathclyde	14	1	9	4
UHI	0		0	0
UWS	2	1	1	0
Total	111	12	64	35
Success Rate				32%
Excluding ineligible applications				35%

The following graph shows the proportion of awards by university:

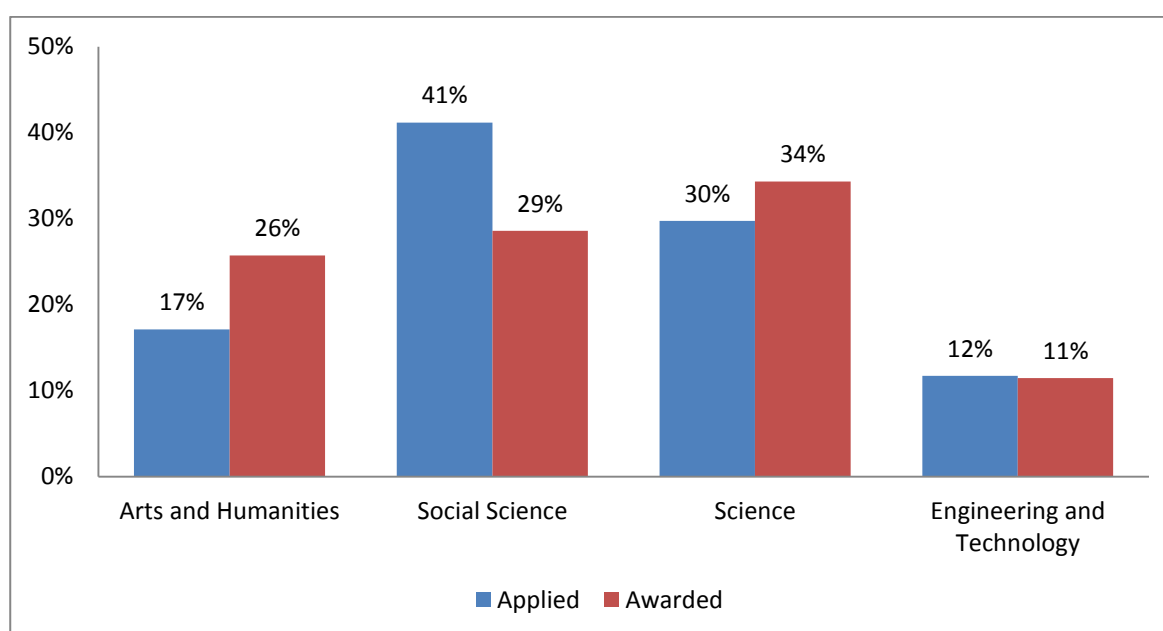


2.2. Success rate by field

The following table provides information by broad research-field category for the full set of submissions (i.e. including those subsequently deemed ineligible). The highest number of applications (46) was in the category of Social Sciences, which includes Business and Management. The second highest number of applications (33) was in the category of Sciences, which includes both Life Sciences and Physical Sciences, followed by Arts & Humanities (19).

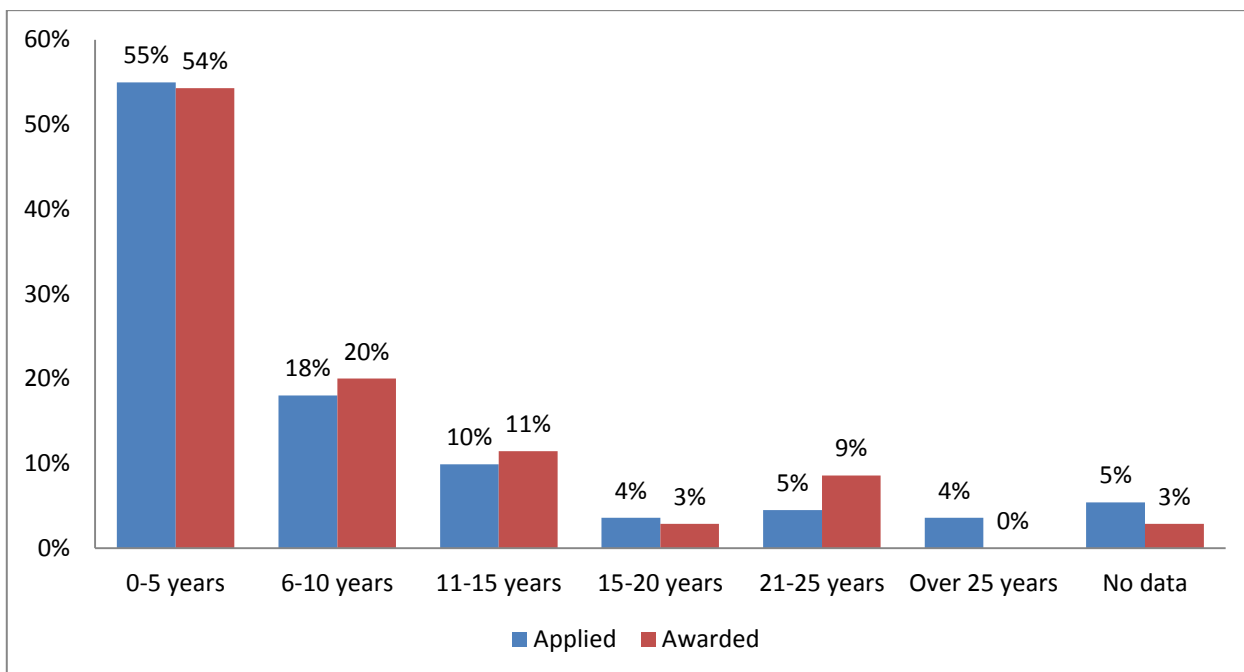
Field	Applied	Not Eligible	Refused	Awarded
Arts and Humanities	19	2	8	9
Social Science	46	7	29	10
Science	33	3	18	12
Engineering and Technology	13	0	9	4

The chart below shows the percentage of applications and awards made by research-field category, excluding ineligible applications:



2.3. Success rate by career stage

54% of awards were made to applicants identified as early career researchers (0-5 years' experience). This group made up 55% of the applicants. Mid-career academics (6-15 years' experience) represented 28% of the applicants and received 32% of the awards. Academics with 15 years' experience or more represented 12% of the applicants and received 12% of the awards. There was no data on career stage for 5% of the applications and 3% of the awards.



3. Scoring and funding cut off

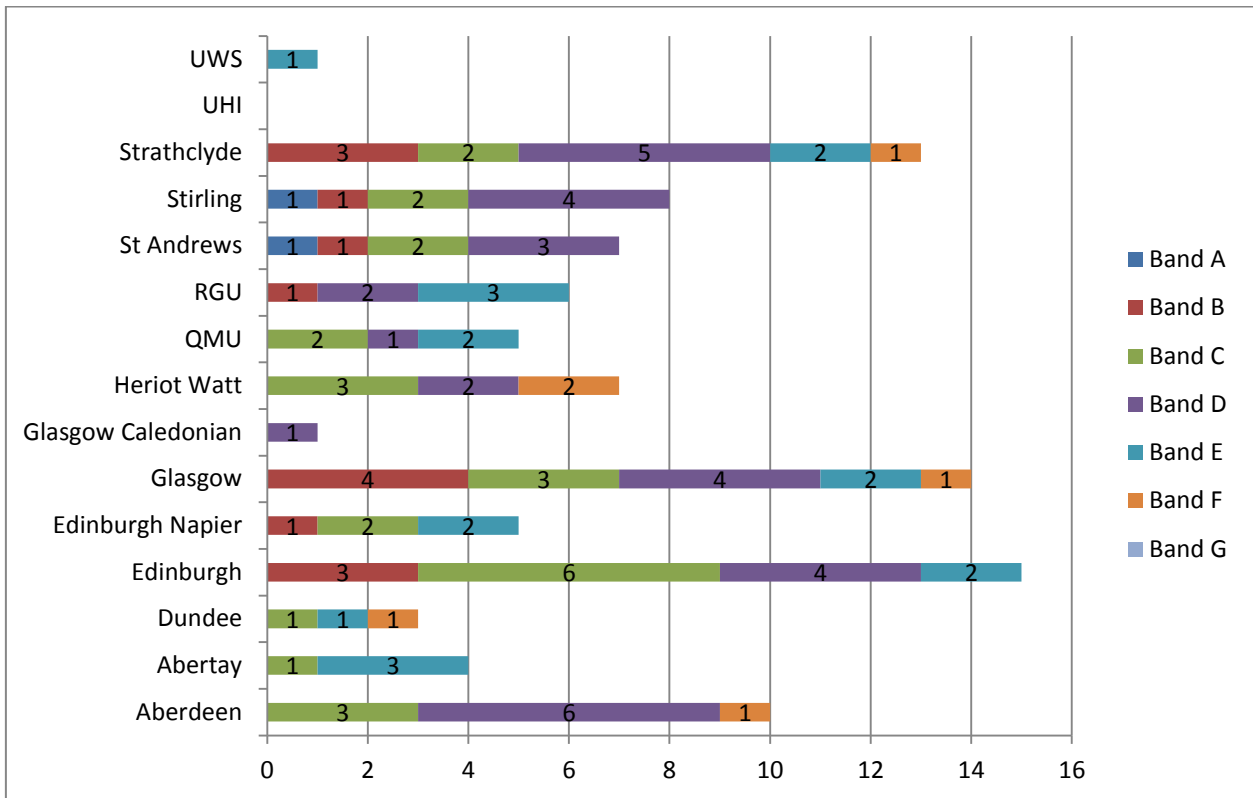
When assessing proposals, assessors are asked to score each proposal against 4 criteria on a scale of 0 to 6. Following the review by the Carnegie Research Assessors, any proposal with an average score of 4 and above is sent to two members of the Selection Panel who both provide an additional score. The Panel further reviews any proposals for which only one initial assessment was returned as well as the ones where the two assessor scores show a difference of 3 points or more. Scores of the panel members are then combined to the average assessor scores of the shortlisted applications to determine the final ranking. The funding cut off is determined by the Panel ranking and the available budget for each selection round.

For this round, the funding cut off was 4.6 for SET applications and 4.0 for AHSS applications, any application with an average score lower than this was not awarded funding.

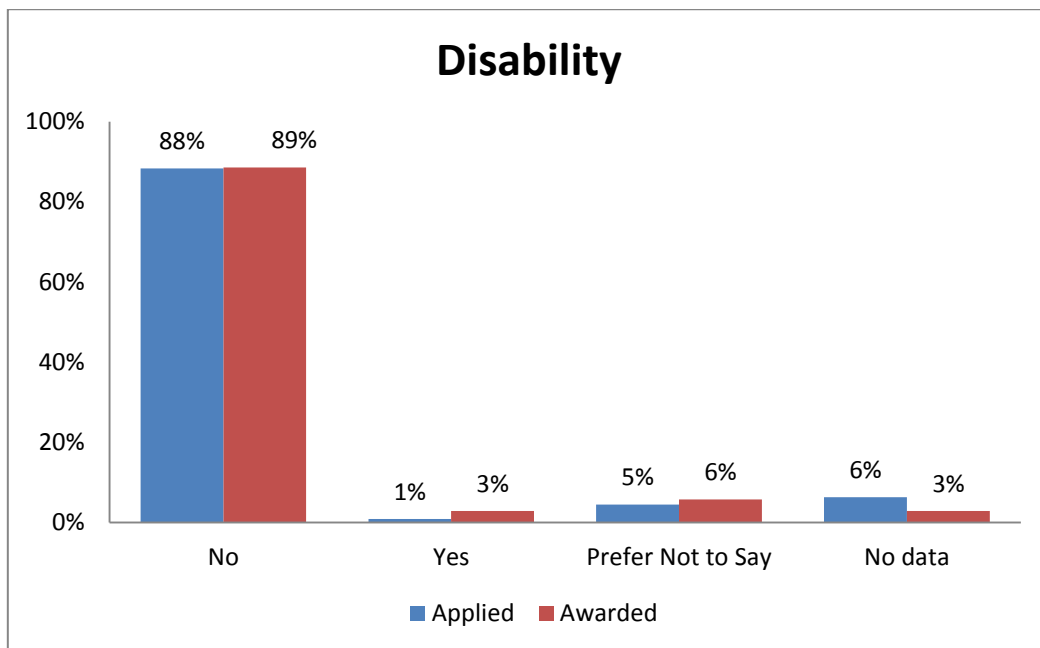
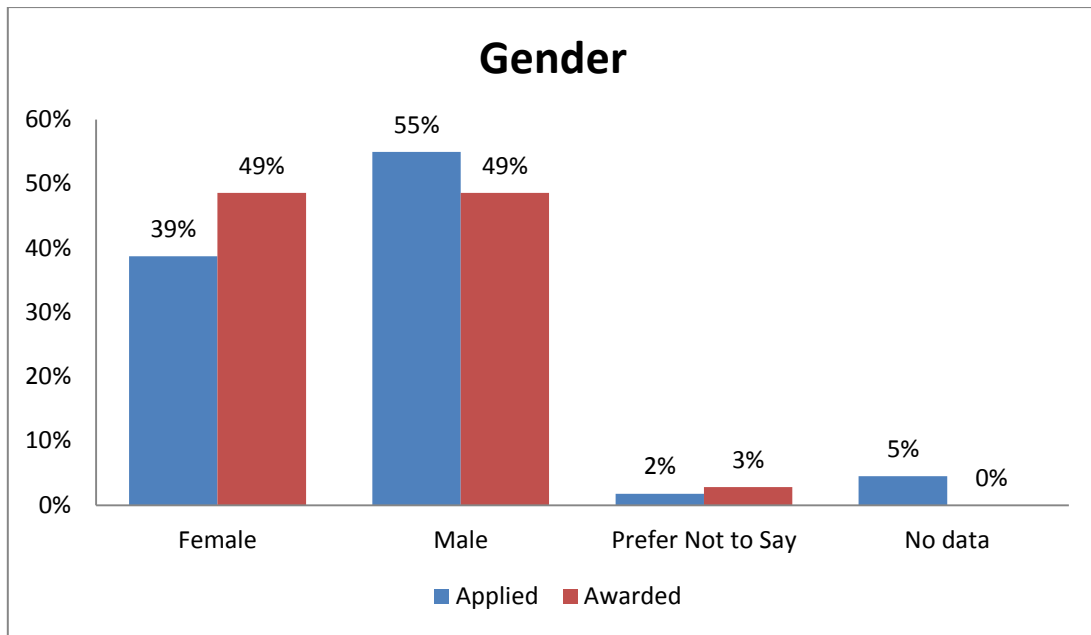
Taking the average score, the spread of scores (excluding ineligible applications) for each university across the scoring scale is as follows:

Average score bands:

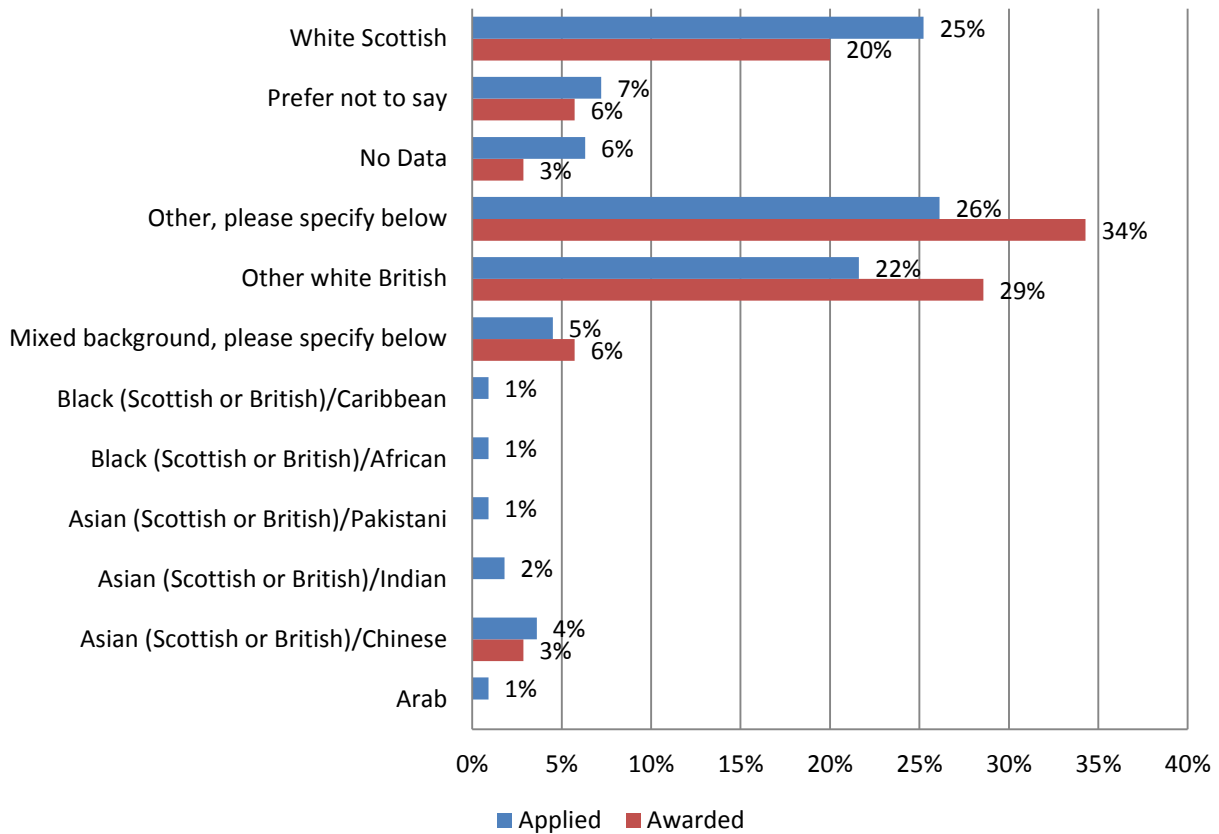
Band A	Average score 6
Band B	Average score 5-5.9
Band C	Average score 4-4.9
Band D	Average score 3-3.9
Band E	Average score 2-2.9
Band F	Average score 1-1.9
Band G	Average score 0-0.9



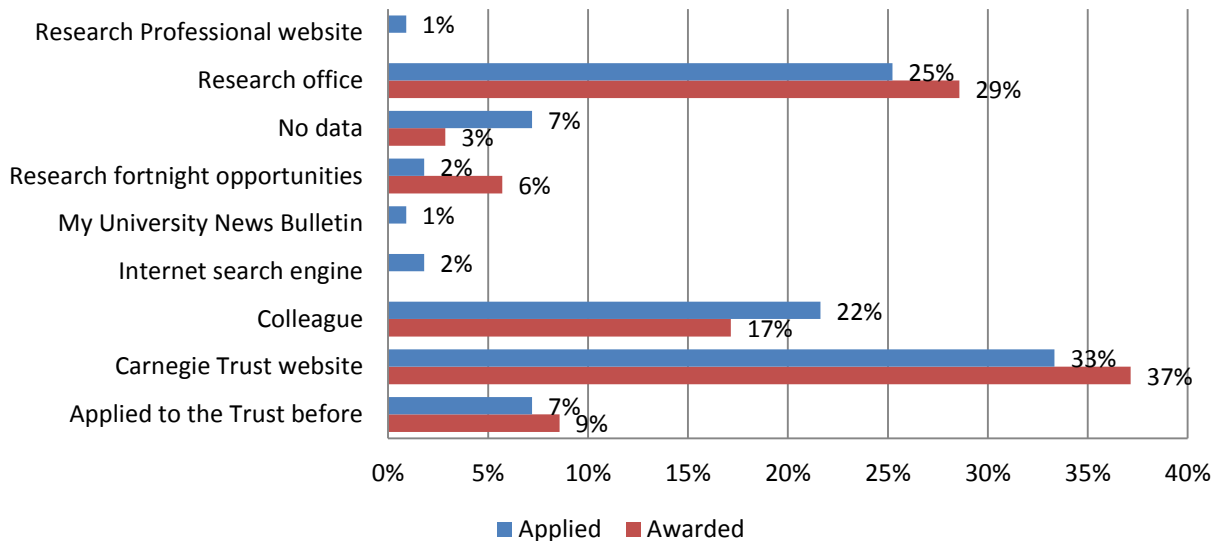
4. Equal opportunities



Ethnicity



Scheme Source



5. List of award-holders

Prefix	First Name	Last Name	Project Title	University	Amount Awarded
Dr	Adrian	Bass	Does lateral export of carbon decrease in a greener savanna?	University of Glasgow	£7,015
Dr	Anne	Bernassau	Sonocare: Study of optimal microbubbles behaviour for targeted drug delivery	Heriot-Watt University	£7,459
Dr	Barry	Denholm	Molecular and cellular physiology of a powerful water-conserving system in beetles	University of Edinburgh	£7,454
Dr	Eric	Descheemaeker	Developing the Law of Privacy: Lessons from South Africa	University of Edinburgh	£2,733
Dr	Lesley-Ann	Dickson	Children/Youth Film Festivals: An empirical study of young people's experiences at film festivals in Scotland	Queen Margaret University	£2,674
Dr	Victoria	Donovan	History at the coalface: Migrant flows between Britain and the Donbas	University of St Andrews	£2,890
Dr	Lawrence	Dritsas	Scottish collectors and collecting in central Africa, 1870–1930	University of Edinburgh	£4,435
Dr	Augusto	Esteves	The Invisible Modality: Developing Gaze Input Techniques for the Internet of Things	Edinburgh Napier University	£7,454
Dr	Jonine	Figuroa	Non-invasive measures of breast cancer risk: image analysis of digital mammograms and tissue lobule content	University of Edinburgh	£7,002
Dr	Paul	Flaig	Weimar Slapstick: American Eccentrics, German Grotesques and Hollywood Comedy Re-functioned	University of Aberdeen	£3,234
Dr	James	Harrison	Regulating coastal state enforcement jurisdiction – safeguards and standards of review	University of Edinburgh	£5,550
Dr	Leah	Herrgen	A small molecule screen to identify modulators of brain repair	University of Edinburgh	£7,387
Dr	Erin	Jessee	Rwandan Intimacies in Historical Perspective: A Scoping Project.	University of Strathclyde	£7,455
Dr	Xue	Jin	Novel osmotic membrane photobioreactor for sustainable wastewater treatment and biofuel production	University of Glasgow	£6,200
Dr	Lisa	Kelly	Nurturing Scottish Screen Industries Talent: The Case of Outlander	University of Glasgow	£7,420

Dr	Craig	Kennedy	Skills and Materials in the Scottish Glass Industry From 1750	Heriot-Watt University	£2,050
Professor	Anja	Lowit	Phonetic markers of sentence stress in people with speech disorders	University of Strathclyde	£7,491
Dr	Scott	Lyll	Mystical Nationalism: W. B. Yeats, Patrick Pearse and the Revival of Ireland	Edinburgh Napier University	£1,843
Dr	Fiona	Maclean	Intertwining occupation and healthfulness in the hospital setting to prevent alcohol misuse in older adults.	Queen Margaret University	£3,773
Dr	Diane	MacLean	Scarp: Oral Histories and Collective Memories from a Disappearing Hebridean Island	Edinburgh Napier University	£6,500
Dr	Emma	Macleod	'Trying the State: The English and Scottish state trials of the 1790s compared'	University of Stirling	£1,200
Professor	Alan	Marcus	Hawaii as Post-Traumatic Site, 1866-1967	University of Aberdeen	£7,340
Dr	Claire	McDiarmid	The Public Interest and the Child's Best Interests: Jointly-Reported Children in Scotland	University of Strathclyde	£7,311
Dr	Natascha	Mueller-Hirth	From transition to transformation? A victim-centred study of women's demands for sustainable peace	Robert Gordon University	£5,901
Dr	Naomi	Nakayama	Cells with commitment issues: revealing variability in the regeneration potential of plant cells	University of Edinburgh	£7,390
Dr	Iain	Neill	Fire and shaking in the South Caucasus: connecting geo-archaeology and hazards in Armenia	University of Glasgow	£7,459
Dr	Daniel	Oto Peralias	The Consequences of Persistent Inequality on Economic Activity	University of St Andrews	£7,146
Dr	Antony	Overstall	Expectation propagation to accelerate Bayesian optimal design of experiments	University of Glasgow	£2,200
Dr	Diego	Palacios Cerezales	Government-sponsored petitions: Louis Napoleon's 1851 campaign and the paradoxes of popular mobilisation.	University of Stirling	£3,672
Dr	Paul	Savage	Copper isotopes as tracers of planetary differentiation processes	University of St Andrews	£7,157
Dr	Mark	Symes	Electrocatalytic ammonia production using phthalocyanine-based catalysts	University of Glasgow	£7,500
Mr	John	Taylor	Use of evaluation in assessing the impact of sport for development (SfD) initiatives in Scotland	University of Stirling	£1,752

Dr	Carol	Trager-Cowan	Novel applications of direct electron imaging in the scanning electron microscope	University of Strathclyde	£7,077
Dr	Anna	Varri	Globular clusters in the era of precision astrometry: getting ready for Gaia	University of Edinburgh	£6,768
Dr	Edward	Wallace	High-resolution dynamics of RNA processing during cell stress	University of Edinburgh	£7,500

July 2016