

Summary report: Research Incentive Grants

Deadline: September 2015

1. Submissions and review process

1.1. Summary data

- 125 applications were submitted
- 7 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 £212,386 and the average value of award was £6,068.

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 applicant was employed at an organisation not eligible to receive funding from the Trust;
- The proposed activities did not fit with the remit of the scheme, e.g. compilation of a database;
- The application had not been signed off by the Head of Department and Research Office.

These applications were therefore not considered for peer review.

1.3. Peer review process

In total, 207 Carnegie Research Assessors contributed to the review process, 130 in the Arts, Humanities, and Social Sciences, and 57 in the Science, Engineering, and Technology. Among the reviewers, 65 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 Bill Naphy (Aberdeen) and including:

Prof Callum Brown (Glasgow), Prof Christine Caldwell (Stirling), Prof Donald Christie (Strathclyde), Prof Peter Dayan (Edinburgh), Prof Jayne Donaldson (Stirling), Prof Christian Ewald (Glasgow), Dr Ed Hall (Dundee), Prof Faye Hammill (Strathclyde), Prof Bernie Hayes (Aberdeen), Dr David McCausland (Aberdeen), Prof David McGillivray (UWS), Dr Jeremy Valentine (Queen Margaret).

Observer: Dr Julia Prest (St Andrews).

Supported by Prof Andy Walker, and Dr Patricia Krus (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 Rory Duncan (Heriot-Watt), and including:

Dr Margaret Graham (Edinburgh), Dr Gary Hutchison (Napier), Prof Katherine Kirk (UWS), Dr Alasdair Mackenzie (Aberdeen), Prof Wolfram Meier-Augenstein (RGU), Prof Nigel Mottram (Strathclyde), Dr Paul Mulheran (Strathclyde), Prof Frank Sargent (Dundee), Prof John Walton (St Andrews).

Observer: Dr Paul Adderley (Stirling).

Supported by Prof Andy Walker and Dr Patricia Krus.

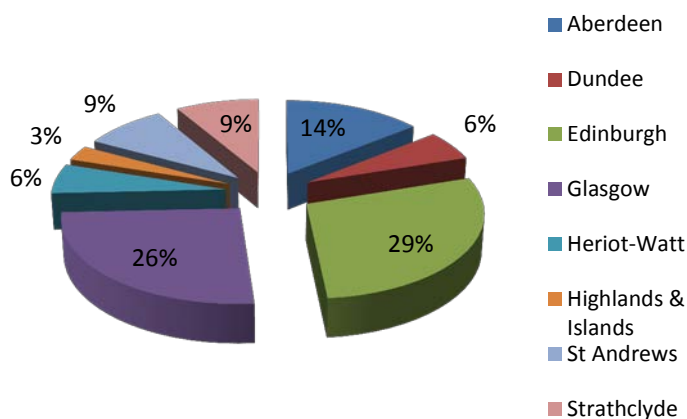
2. Awards and success rate

2.1. Overall success rate

The overall success rate was 29.7% (excluding ineligible applications). The table below shows the numbers of applications received and the awards made by university of affiliation:

	Applied	Not eligible	Refused	Awarded
Aberdeen	11		6	5
Abertay	3		3	
Dundee	4	1	1	2
Edinburgh Napier	6	1	5	
Edinburgh	29	1	18	10
Glasgow Caledonian	2		2	
Glasgow	20	1	10	9
Heriot-Watt	6		4	2
Highlands & Islands	2		1	1
Queen Margaret	2		2	
Robert Gordon	5		5	
St Andrews	10	1	6	3
Stirling	9	1	8	
Strathclyde	11		8	3
West of Scotland	4		4	
Non eligible HEI	1	1		
Total	125	7	83	35
			Success rate	28%
			Excluding ineligible applications	29.7%

The following graph shows the proportion of awards by university:

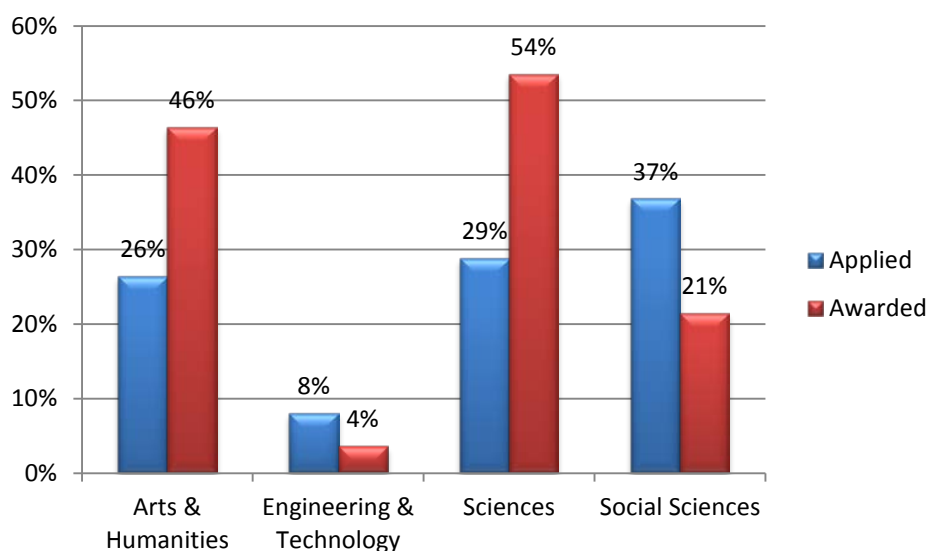


2.2. Success rate by field

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 (36) was in the category of Sciences, which includes both Life Sciences and Physical Sciences, followed by Arts & Humanities (33).

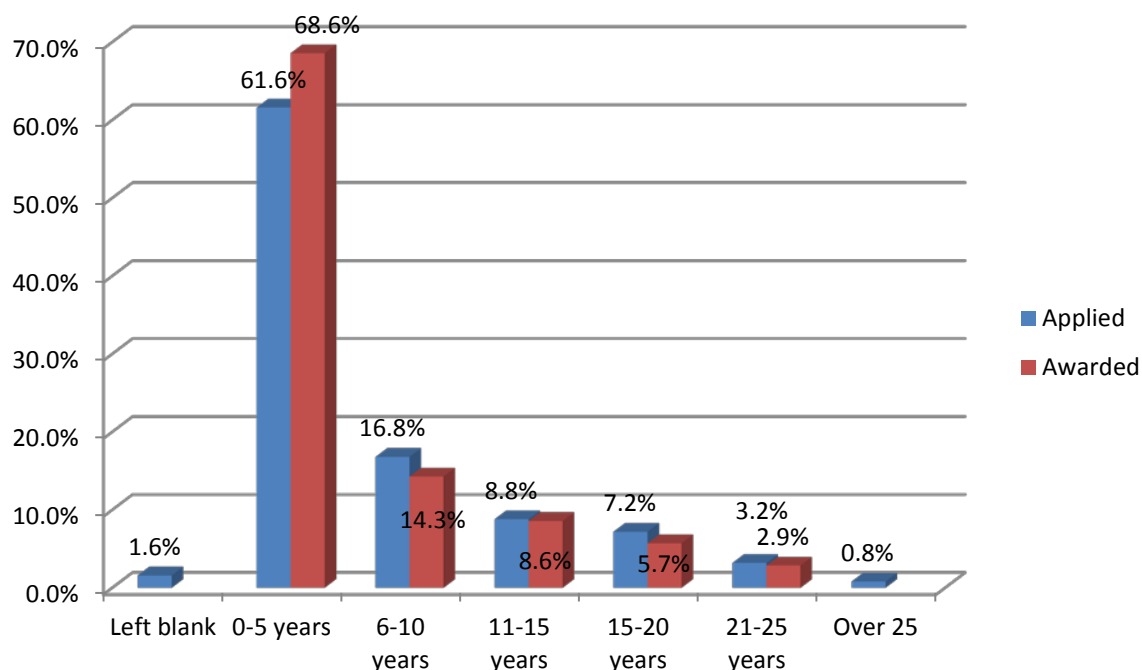
Field	Applied	Not eligible	Refused	Awarded
Arts & Humanities	33	2	18	13
Engineering & Technology	10	1	8	1
Sciences	36	2	19	15
Social Sciences	46	2	38	6

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

68.75% of awards were made to applicants identified as early career researchers (0-5 years' experience). This group made up 61.6% of the applicants. Mid-career academics (6-15 years' experience) represented 25.6% of the applicants and received 22.8% of the awards. Academics with 15 years' experience or more represented 11.2% of the applicants and received 8.6% of the awards.



Further analysis by field of research shows that the majority of applicants and award-holders is in the early stages of their career, as shown in the following table:

Career stage		Arts & Humanities	Engineering & Technology	Sciences	Social Sciences	Total
Left blank	Applied				2	2
	Awarded					0
0-5 years	Applied	16	9	24	28	77
	Awarded	8	1	11	4	24
6-10 years	Applied	5		8	8	21
	Awarded	2		2	1	5
11-15 years	Applied	4	1	2	4	11
	Awarded	1		2		3
15-20 years	Applied	5		1	3	9
	Awarded	1			1	2
21-25 years	Applied	3			1	4
	Awarded	1				1
Over 25 years	Applied			1		1
	Awarded					0
Total	Applied	33	10	36	46	125
	Awarded	13	1	15	6	35
% awarded in this field	Applied	26%	8%	29%	37%	
	Awarded	46%	4%	54%	21%	

3. Scoring and funding cut off

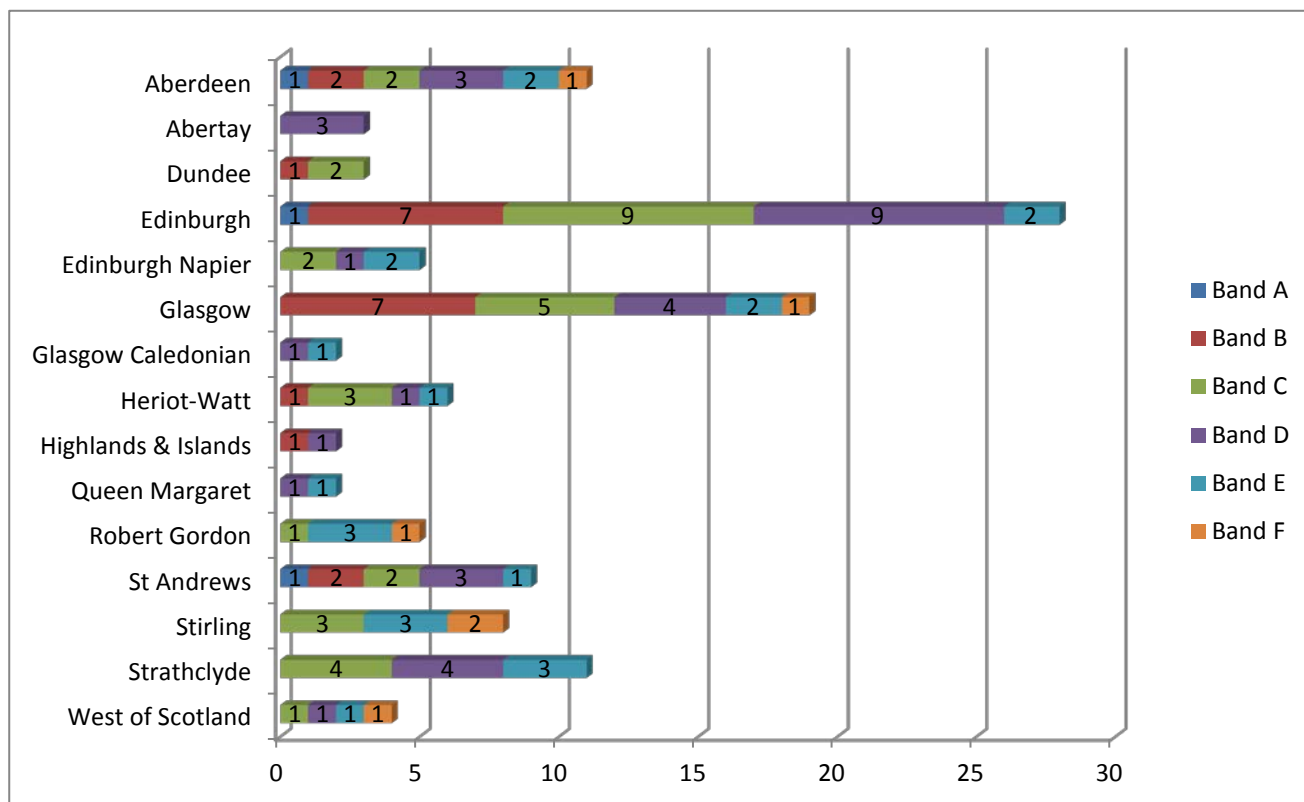
When assessing proposals, assessors are asked to score each proposal against 4 criteria on a scale of 0 to 6. Following the review by the Carnegie Research Assessors, any proposal with an average score of 4 and above is sent to two members of the Selection Panel who both provide an additional score. 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 and 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:

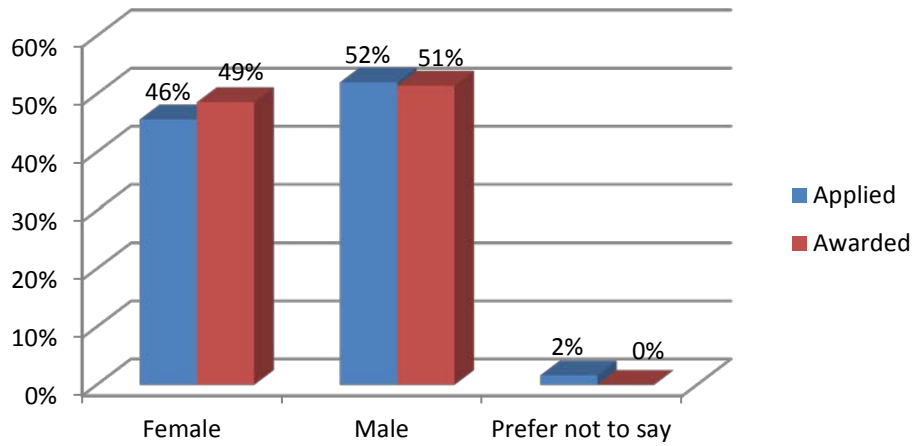
Average score bands:

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

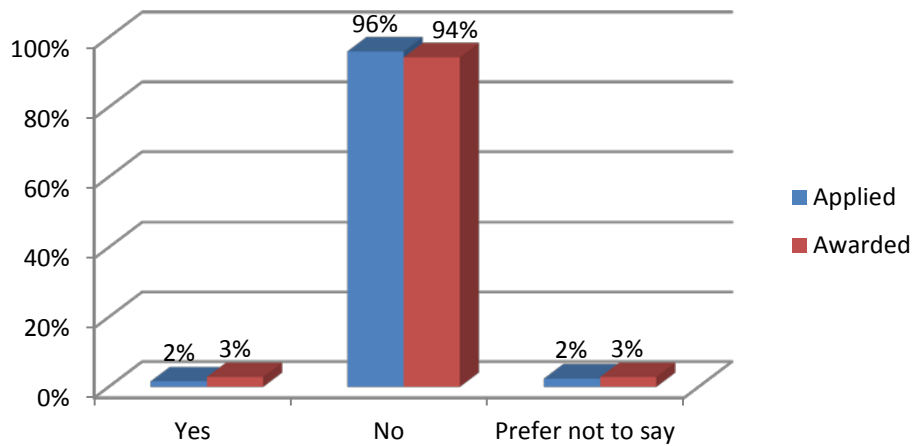


4. Equal opportunities

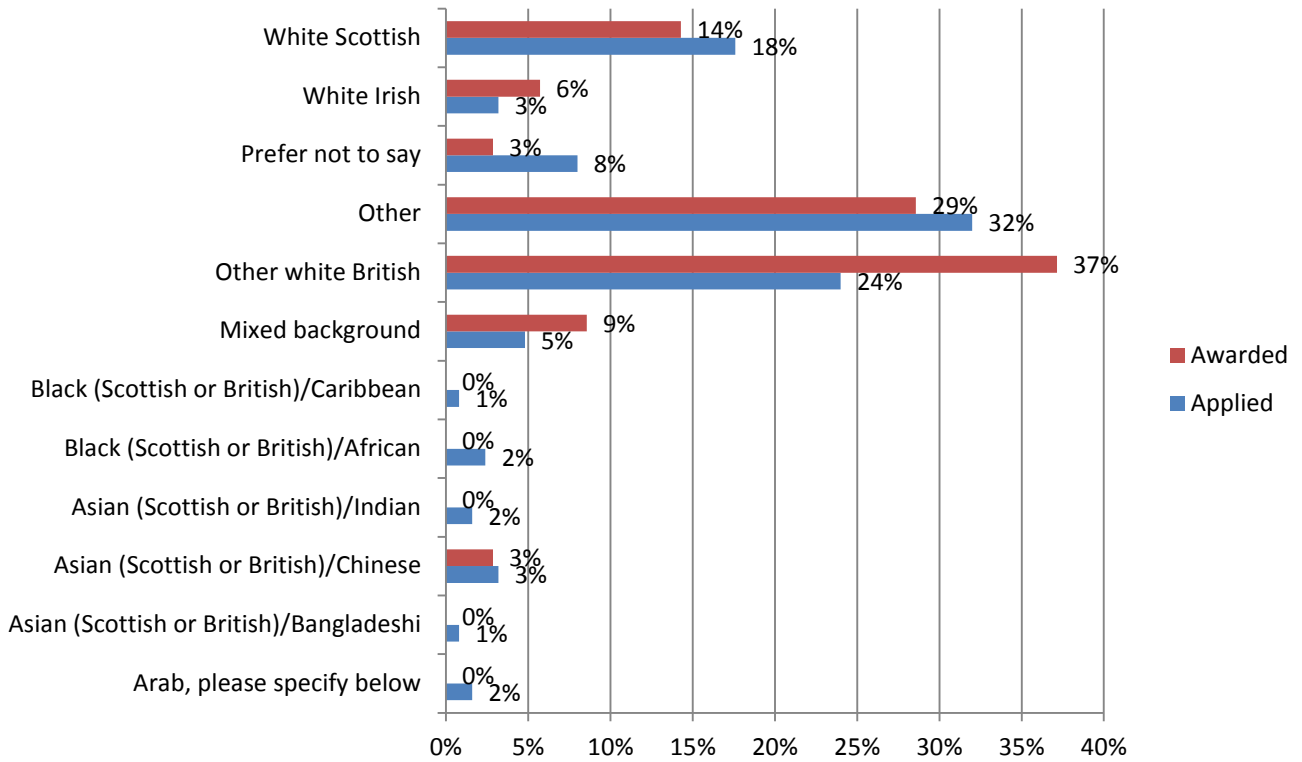
Gender



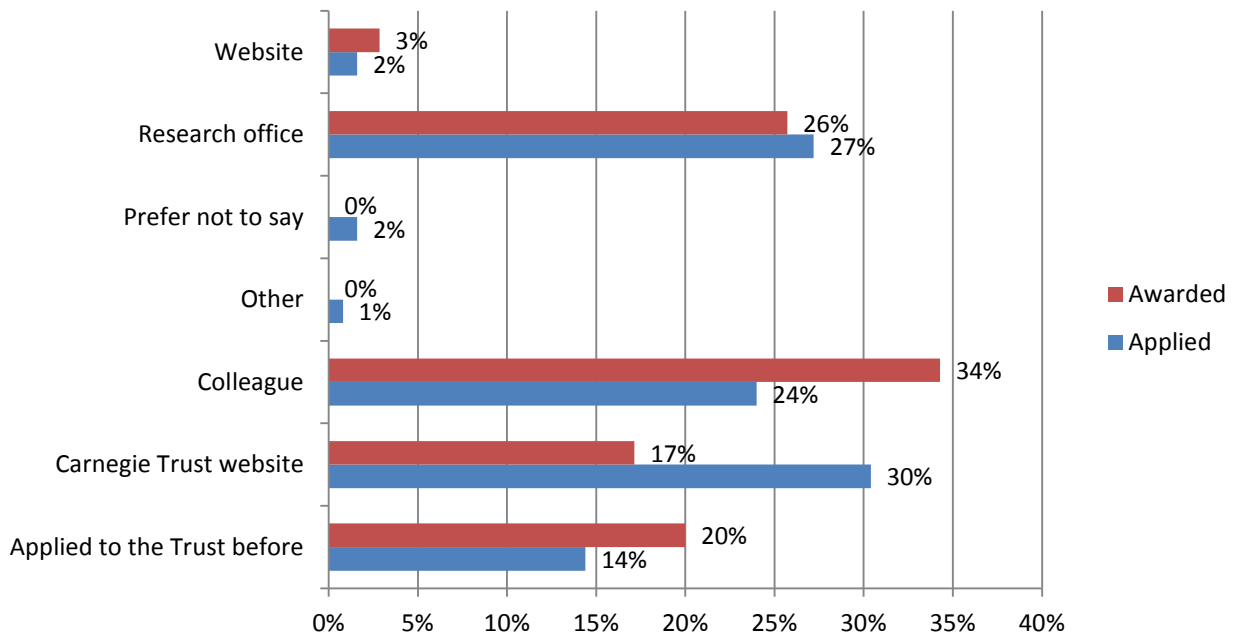
Disability



Ethnicity



Scheme source



5. List of award-holders

Prefix	First name	Last name	Project title	University	Amount awarded
Dr	Mikael	Attal	Waterfall dynamics in heterogeneous bedrock: modelling study and application to NE Iceland	University of Edinburgh	£7,000.00
Dr	Claire	Cousins	Remote Detection of Salts and Habitability on Mars	University of St Andrews	£7,456.00
Dr	Michael	Cowley	Molecular silicon clusters: solution phase models for elemental silicon	University of Edinburgh	£6,985.00
Dr	Angel	Cuesta Ciscar	Biomimetic electrocatalysis using bimetallic complexes of expanded porphyrins	University of Aberdeen	£7,500.00
Dr	Jonathan	Delafield-Butt	Developing Serious Games: A New Paradigm for Autism Research	University of Strathclyde	£7,464.00
Dr	Davide	Dionisi	Feasibility of anaerobic digestion of garden waste to produce ethanol, hydrogen and volatile fatty acids	University of Aberdeen	£7,500.00
Dr	Mark	Ditzel	Generating an in vitro tendon/ligament model to investigate UBR5-associated heterotopic chondrogenesis and ossification	University of Edinburgh	£7,500.00
Dr	Sarah	Easterby-Smith	Making knowledge, forging empire? The French in India, c. 1750-1793	University of St Andrews	£6,946.00
Dr	Arman	Eshraghi	Fund Manager Overconfidence, Active Share, and Investment Performance	University of Edinburgh	£4,800.00
Dr	Manuel	Fernandez-Gotz	Geophysical surveys and 3D modelling at the Roman military complex at Ardoch, Scotland	University of Edinburgh	£2,900.00
Dr	Katie	Gallacher	Patterns of co-morbidity in stroke and associations with hospital admission and mortality - an observational study	University of Glasgow	£7,399.00
Dr	Claudia	Glatz	Between the Highlands and the Lowlands: Cultural Connectivity and Early Imperialism in the Zagros-Mesopotamian Interface	University of Glasgow	£5,488.00
Dr	Matthew	Graham	'Inventing tradition': The ANC, patriotic history, and the limits to liberation in South Africa	University of Dundee	£5,950.00
Dr	Erin	Greaves	Defining the neurogenic signature of the endometriosis-associated macrophage	University of Edinburgh	£7,217.00

Prefix	First name	Last name	Project title	University	Amount awarded
Dr	Tatiana	Heise	Memories of the Dictatorship: Reconstructing Memories of Brazil's Military Rule Through Film	University of Glasgow	£4,230.00
Dr	Catherine	Hobaiter	Flexibility in the pant-hoot vocalizations of wild female chimpanzees	University of St Andrews	£3,298.00
Dr	Pavel	Iosad	Preaspiration in North Germanic: internal variation and language history	University of Edinburgh	£3,183.00
Dr	Scott	Johnstone	Connexin 43 as a therapeutic target in cellular proliferation	University of Glasgow	£7,500.00
Dr	Anthony	Krus	Estimating ancient Marine Radiocarbon Reservoir Effects to develop better Arctic settlement histories	University of Glasgow	£6,415.00
Dr	John	MacDonald	'Clumped isotopes' in calcite: a new method for tracking fluid flow in lavas and its implications for geothermal energy generation	University of Glasgow	£7,130.00
Dr	David	MacTaggart	The evolution of magnetic helicity in the dynamic solar atmosphere	University of Glasgow	£4,900.00
Prof	Abigail	Marks	Mental Health and Unemployment in Scotland: Looking towards the Future	Heriot-Watt University	£7,386.00
Dr	Manon	Mathias	Recycling Excrement in Nineteenth-Century French Narratives	University of Aberdeen	£4,300.00
Dr	Kristin	Nicodemus	Assessing the heritability of Emotional Intelligence (EI) and its impact on adverse health outcomes	University of Edinburgh	£7,500.00
Dr	Aideen	O'Leary	A New Critical Edition of Eadmer's 'History of Recent Events in England'	University of Aberdeen	£2,573.00
Prof	Bernadette	O'Rourke	New speaker practices and ideologies in minority language contexts - lessons from and for Scottish Gaelic	Heriot-Watt University	£6,250.00
Ms	Roxane	Permar	Northern Exchange: Cold War Histories and Nuclear Futures	University of the Highlands & Islands	£7,496.00
Dr	Anita	Quye	Dye-versity: chemical variability of aniline dyed textile samples in 19th c. dye books	University of Glasgow	£7,500.00
Dr	Guido	Rossi	The validity of acts in medieval law: genesis and development of the concept of toleration	University of Edinburgh	£4,920.00
Dr	Ana	Salzberg	Care Home as Cinematic Community: Enhancing Social Connectivity through Film	University of Dundee	£6,165.00
Dr	Mairi	Sandison	How the Physicochemical Properties of the Extracellular Environment Influence Smooth Muscle Phenotypic Plasticity	University of Strathclyde	£7,486.00

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Dr	Alex	von Kriegsheim	Choking Cancer, exploring hydroxylase inhibitors as novel anti-tumour therapy	University of Edinburgh	£5,500.00
Profr	Edward	Welch	Making Space in Modern France: State Planning, Urban Life and Representation	University of Aberdeen	£2,720.00
Dr	Zhangming	Wu	Novel modelling and design scheme for high efficiency and performance of composite structures	University of Strathclyde	£6,329.00
Dr	Sofia	Xenofontos	The Byzantine reception of Aristotle: George Pachymeres and his commentary on Aristotle's Nicomachean Ethics	University of Glasgow	£7,500.00

December 2015