

# Carnegie Trust for the Universities of Scotland

## Summary report: Research Incentive Grants

### Deadline: March 2017

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## 1. Submissions and review process

### 1.1. Summary data

- 113 applications were submitted
- 10 applications were judged ineligible
- 55 were short-listed
- 40 awards were made, 23 of these were in Arts, Humanities or Social Sciences and 17 in Science, Technology and Engineering
- The total amount awarded was £260,778 and the average value of award was £6,519.

### 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 proposed activities did not fit with the remit of the scheme, e.g. hosting a conference, workshops or creating databases;
- Continuation of an existing project;
- The applicant's fixed term contract did not extend for 3 months after the end date of the proposed project;
- The application was predominately dissemination activities and publishing projects.

These applications were therefore not considered for peer review.

### 1.3. Peer review process

In total, 169 Carnegie Research Assessors contributed to the review process, 115 in the Arts, Humanities, and Social Sciences, and 54 in the Science, Engineering, and Technology. Among the reviewers, 77 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 criteria<sup>1</sup>:

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

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

**Committee A: Arts, Humanities & Social Sciences** met on 29 June 2017, chaired by Prof John Drakakis (Stirling) and including:

Prof Marc Alexander (Glasgow), Prof Christian Ewald (Glasgow), Prof Divya Jindal-Snape (Dundee), Prof James Mills (Strathclyde), Prof Louise Phillips (Aberdeen), Prof Michael Syrotinski (Glasgow), Prof Simon Teasdale (GCU), Dr Annie Tindley (Newcastle), Dr Jeremy Valentine (QMU), Dr John Nagle (Aberdeen), Dr Philippe Lemay-Boucher (Heriot-Watt) with Louise McGrath (UWS research office) as an observer.

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<sup>1</sup> 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>

Supported by Prof Andy Walker, Dr Patricia Krus and Diane Stewart (CTUS).

**Committee B: Science, Engineering & Technology** met on 26 June 2017, chaired by Prof Nigel Mottram (Strathclyde), and including:

Prof Bruce Graham (Stirling), Dr Margaret Graham (Edinburgh), Dr Simon Jung (Edinburgh), Dr Pasquale Maffia (Glasgow), Prof Jim Ritchie (Heriot-Watt), Dr Mathis Riehle (Glasgow) and Prof Marshall Stark (Glasgow).

Supported by Prof Andy Walker, Dr Patricia Krus and Diane Stewart (CTUS).

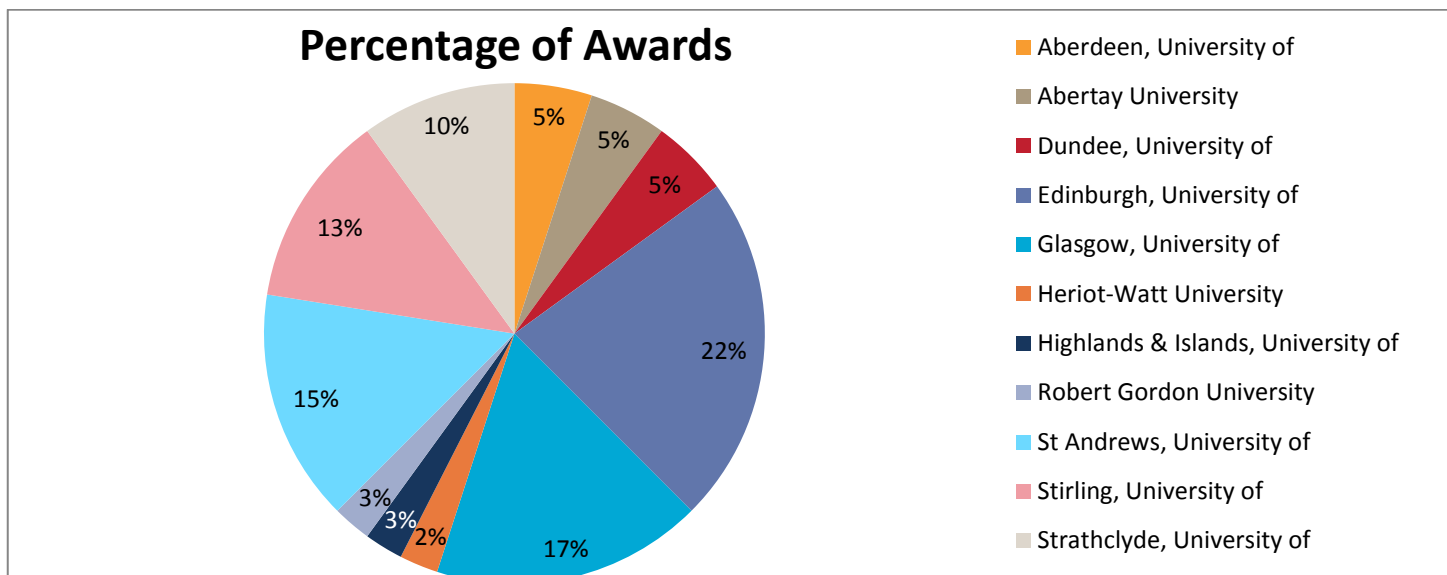
## 2. Awards and success rate

### 2.1. Overall success rate

The overall success rate was 39% (excluding ineligible and withdrawn applications). The table below shows the numbers of applications received and the awards made by university of affiliation:

University	Applied	Not Eligible	Refused	Awarded	Success Rate
Aberdeen, University of	8		6	2	25%
Abertay University	4		2	2	50%
Dundee, University of	5	1	2	2	40%
Edinburgh Napier University	9		9		0%
Edinburgh, University of	20	4	7	9	45%
Glasgow Caledonian University	1		1		0%
Glasgow, University of	16	1	8	7	44%
Heriot-Watt University	4	1	2	1	25%
Highlands & Islands, University of	1			1	100%
Queen Margaret University	2		2		0%
Robert Gordon University	3		2	1	33%
St Andrews, University of	16	3	7	6	38%
Stirling, University of	5			5	100%
Strathclyde, University of	13		9	4	31%
West of Scotland, University of the	6		6		0%
<b>Grand Total</b>	<b>113</b>	<b>10</b>	<b>63</b>	<b>40</b>	<b>35%</b>
<b>Success Rate Excluding ineligible &amp; withdrawn applications: 39%</b>					

The following chart shows the proportion of awards by university:

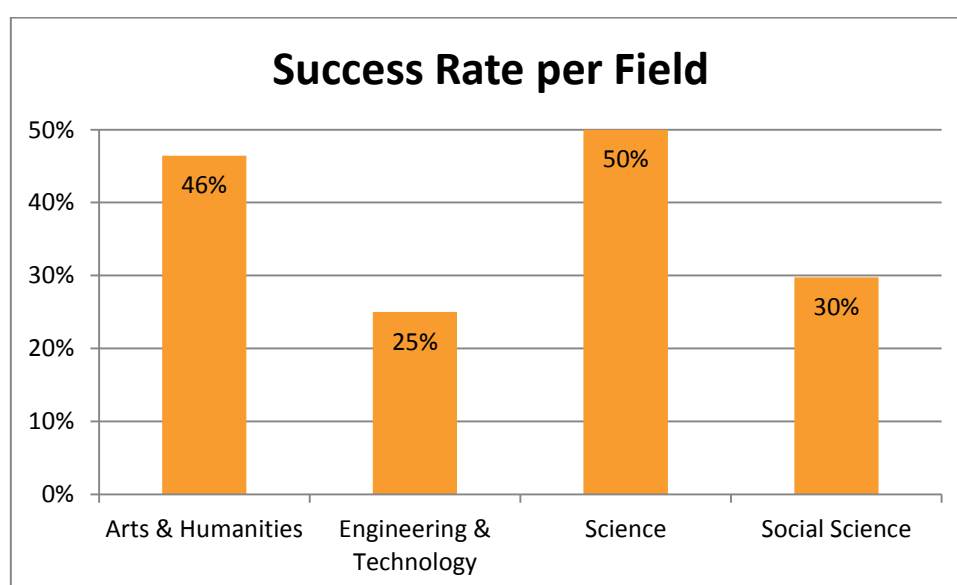
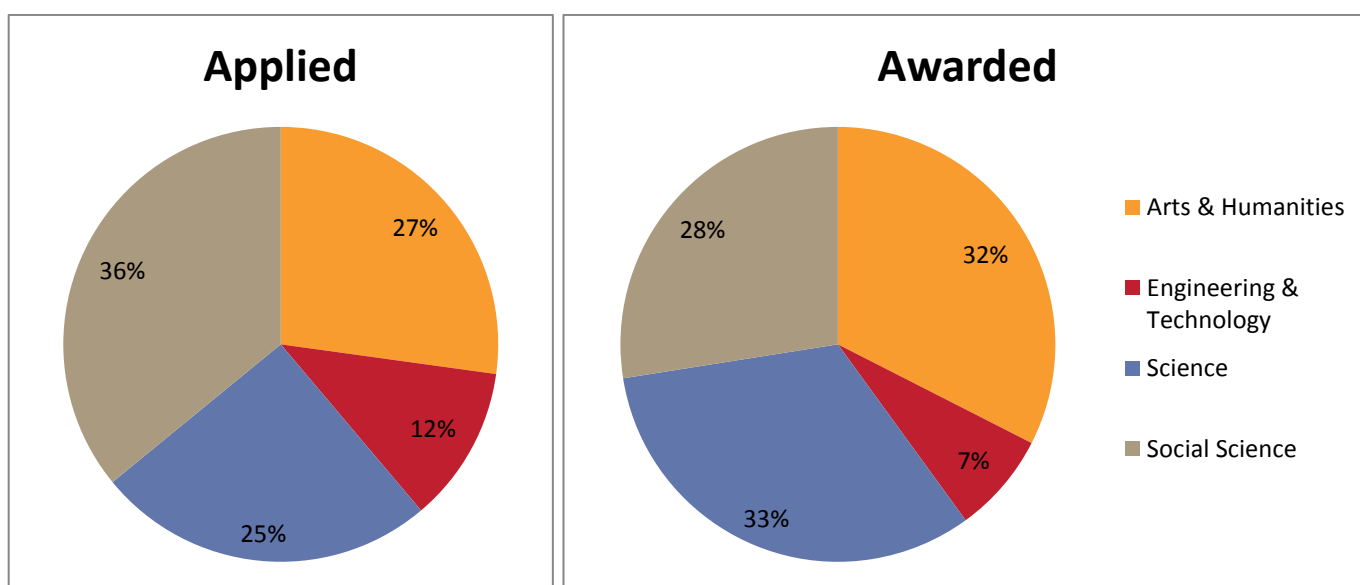


## 2.2. Success rate by field

The following table provides information by broad research-field category for the set of submissions excluding those deemed ineligible and withdrawn. The highest number of applications (37) was in the category of Social Sciences, which includes Business and Management. The second highest number of applications (28) was in the category of Arts & Humanities, followed by Science which includes both Life Sciences and Physical Sciences (26).

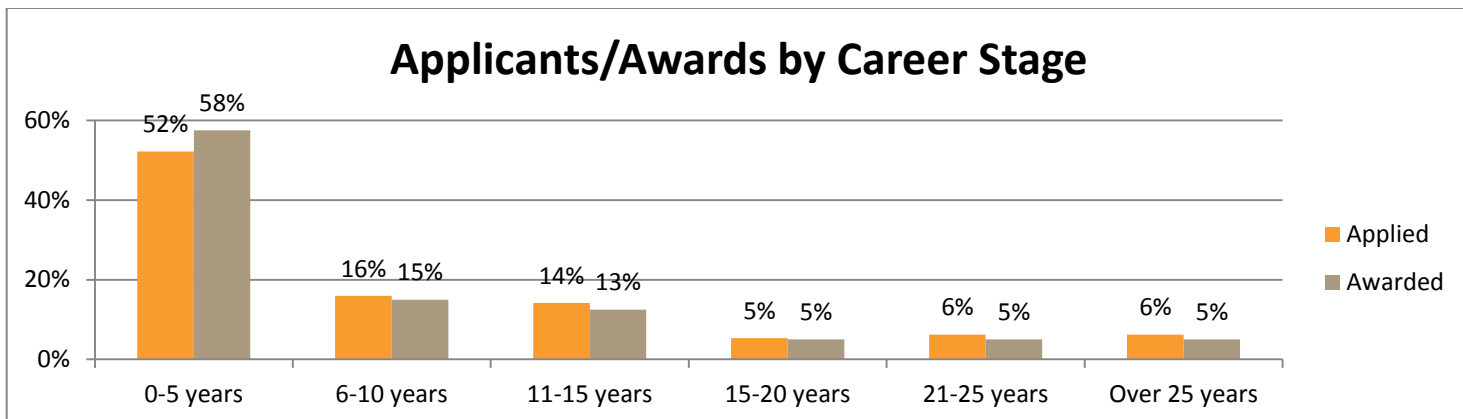
Field	Applied	Refused	Awarded
Arts & Humanities	28	15	13
Engineering & Technology	12	9	3
Science	26	13	13
Social Science	37	26	11

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

58% of awards were made to applicants identified as early career researchers (0-5 years' experience). This group made up 52% of the applicants. Mid-career academics (6-15 years' experience) represented 30% of the applicants and received 28% of the awards. Academics with 15 years' experience or more represented 17% of the applicants and received 15% of the awards.



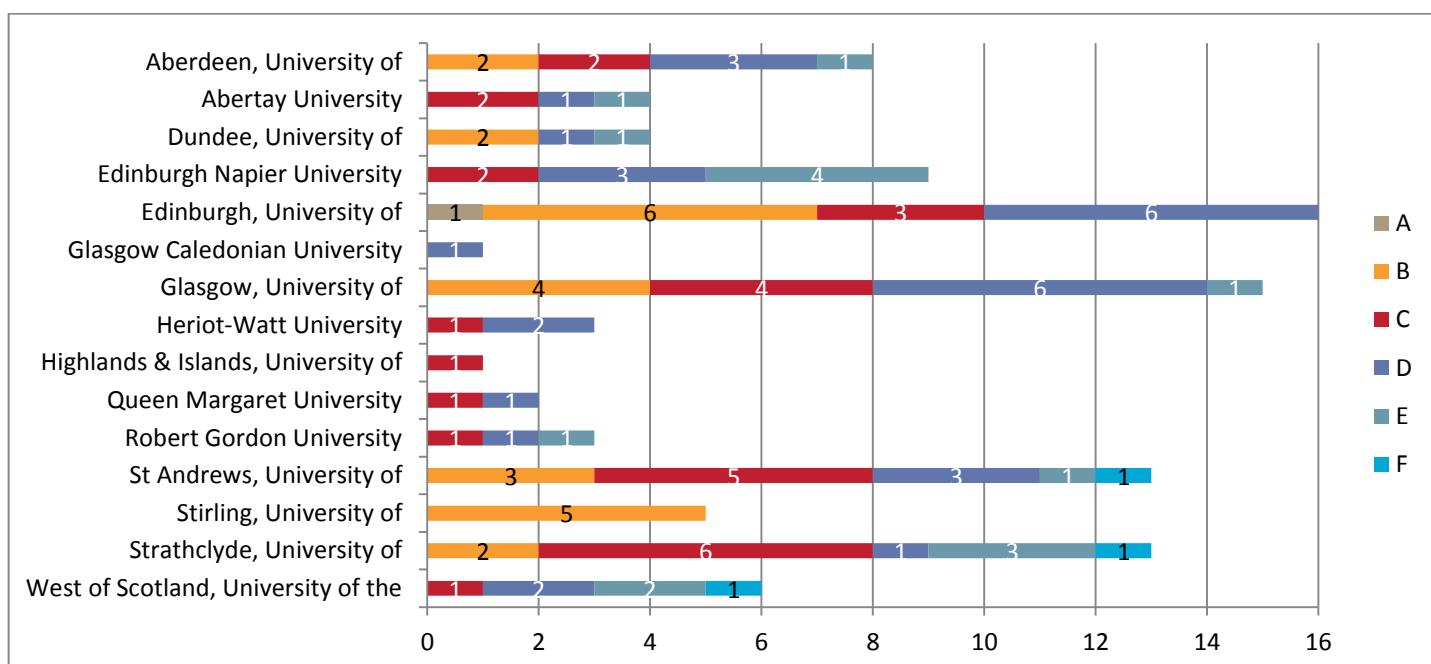
### 3. Scoring and funding cut off

Carnegie Research Assessors are asked to score each proposal against 4 criteria on a scale of 0 to 6. Any proposal with an average score of 4.2 and above is short-listed, along with any proposals for which only one initial assessment was returned or where the assessor scores show a difference of 3 points or more. These are sent to two members of the Selection Committee who each provide an additional score. The Committee scores are used to create a preliminary ranking which is then used as the basis for further discussion at the meeting. A final ranked list is created, specifically concentrating on the likely funding cut-off point. A final decision on the awards that can be made is reached by the two Selection Committee chairs on the basis of the numbers and relative strengths of the applications and the available budget.

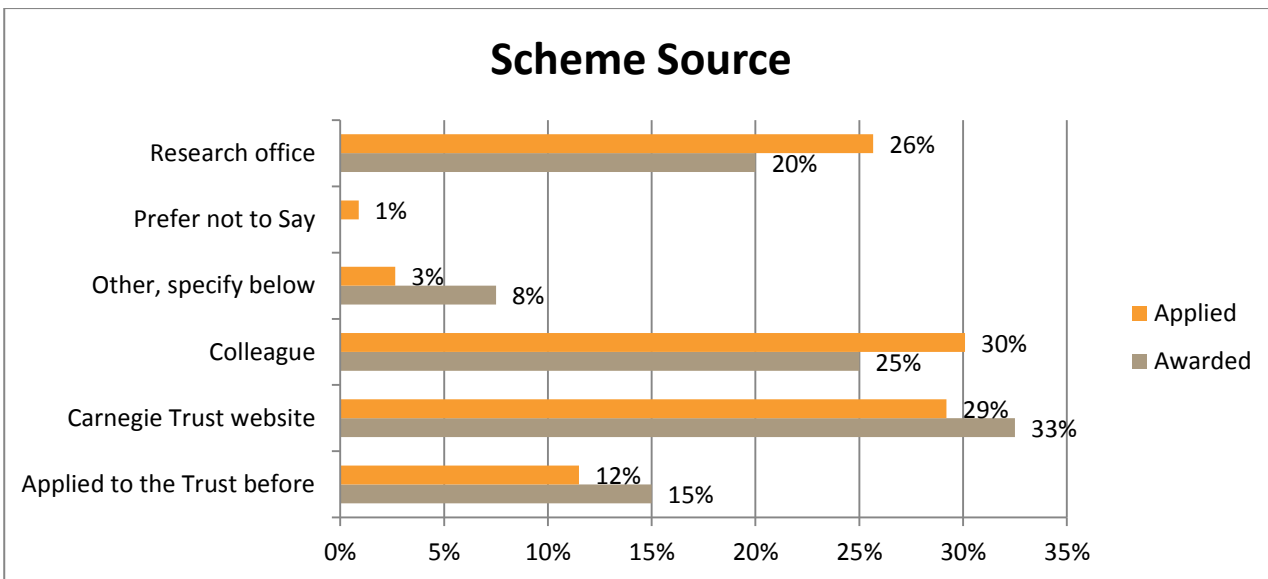
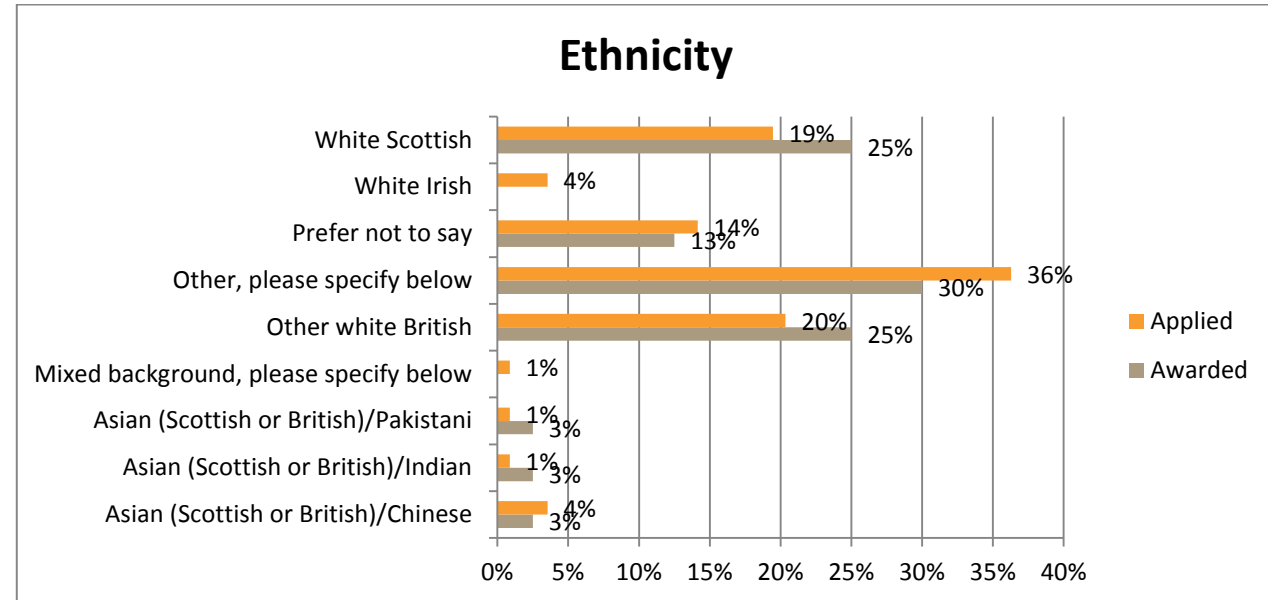
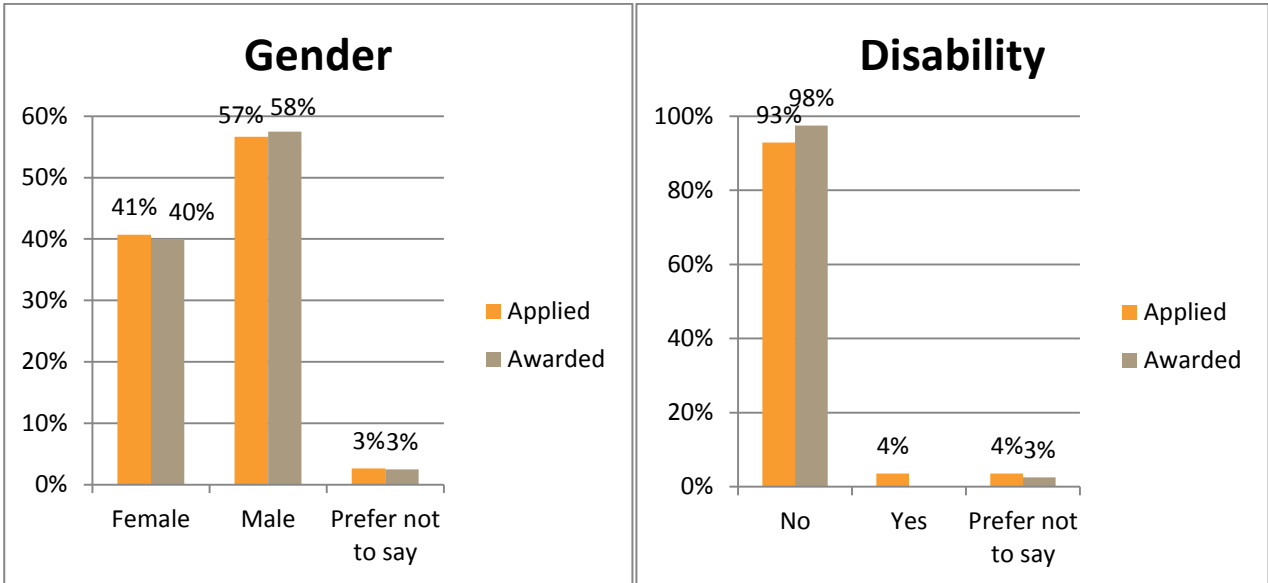
For this round, the funding cut off was 4.5 for SET applications and 4.15 for AHSS applications.

For each university, the spread of scores as concluded by the Assessors and the Committees (grouped in bands), is illustrated by the following chart:

Band A	Average score 6	Band B	Average score 5-5.99
Band C	Average score 4-4.99	Band D	Average score 3-3.99
Band E	Average score 2-2.99	Band F	Average score 1-1.99



## 4. Equal opportunities



## 5. List of awardees

Prefix	First Name	Surname	Project Title	University	Amount Awarded
Dr	Muhammad Idrees	Ahmad	Preserving Facts in a Factitious World: Open Source Investigations and the Journalism of Verification	University of Stirling	£3,515
Dr	Simon	Beames	Outdoor Learning in Scottish School Inspection Reports: A benchmark study	University of Edinburgh	£7,185
Dr	Susan	Berridge	The gendered impact of care responsibilities on experiences of working in the Scottish screen sector	University of Stirling	£5,006
Dr	Nandini	Bhattacharya	From Toddy to Country Liquor' Drinking Cultures and Working Men in Urban India 1906-1920	University of Dundee	£5,920
Dr	Bela	Bode	Characterisation of a fluoride-dependent riboswitch – defining the molecular basis of fluoride resistance in bacteria	University of St Andrews	£6,290
Dr	Cristina	Costa	Accessing Higher Education: The experiences of 'estranged students' beyond entry point	University of Strathclyde	£6,996
Dr	Claire	Cowie	Asian Englishes and Globalization: Changes in the TRAP-BATH lexical sets among Indian students	University of Edinburgh	£7,406
Dr	Sinéad	Currie	Exploring the application of the Necessity Concerns Framework to antenatal physical activity.	University of Stirling	£7,490
Dr	Daisy	Dent	Regenerating tropical forests and their potential for carbon storage	University of Stirling	£7,500
Dr	Sebastian	Eves-van den Akker	Parasitism master regulators of parasitic nematodes	University of Dundee	£7,466
Dr	David	Featherstone	Transnational Politics, Anti-Colonialism and Maritime Labour: The 'Global' Indian Seafarer's Strikes of 1939	University of Glasgow	£7,428
Dr	Lonneke	Goddijn-Murphy	Spectral remote sensing of marine plastic litter	University of the Highlands & Islands	£7,472
Dr	Rebecca	Harrison	What Made a Moving Picture? A Material, Imperial History of Early Film Technology in Britain	University of Glasgow	£7,496
Dr	Ryan	Hoffman	Investigating the neural basis of words with ambiguous meanings: A multivariate dual-echo fMRI study	University of Edinburgh	£7,400
Dr	Ryan	Ickert	Pb isotopes: A novel high-resolution correlation tool for cyclostratigraphy	University of Glasgow	£6,197
Dr	Andrew	Judge	The implications of Brexit for UK crisis governance: The cases of health and energy security	University of Glasgow	£7,294
Prof	Vera	Kempe	Pilot-Testing CulTra: Crowd-Sourcing Research Games for the Study of Cultural Transmission	Abertay University	£7,490
Dr	Emmanuelle	Lacore-Martin	Mary Queen of Scots in her own words, and in others'	University of Edinburgh	£1,030

Dr	Anouk	Lang	Working from Scraps: Copyright and Materiality as Creative Constraints for Digitally Remediating the Morgan Scrapbooks	University of Edinburgh	£7,460
Dr	Jed	Long	Conflict and Coexistence in the Scottish Uplands: Quantifying Human Disturbance of Red Deer	University of St Andrews	£7,393
Mr	Mark	MacAskill	Pilot assessment of endothelial cell-targeted virus-like particles as an MRI contrast agent to visualise angiogenesis	University of Edinburgh	£7,497
Dr	Stuart	MacNeill	Determining the three-dimensional architecture of a four-subunit eukaryotic DNA polymerase $\delta$ complex	University of St Andrews	£7,405
Prof	Paola	Manzini	Threshold models of discrete choice	University of St Andrews	£7,250
Dr	Stephen	McDowall	China in British Visual Culture, c. 1700-1914	University of Edinburgh	£5,622
Dr	Christos	Michalakos	Physics-Based Sound Design Methods for Virtual Reality and Games.	Abertay University	£7,200
Dr	Eva	Moreda Rodriguez	Making sense of exile in Spanish music's historiography: Josep Valls and Simón Tapia Colmán	University of Glasgow	£4,445
Dr	Uisdean	Nicholson	Microcontinent collision along the North Scotia Ridge: slope stability and tsunamigenesis at a plate-bounding fold-and-thrust belt	Heriot-Watt University	£7,500
Dr	Davide	Oppo	Numerical modelling of mud volcanoes: how do mud chambers control surface fluid emissions?	University of Aberdeen	£5,138
Dr	Jennifer	Paxton	Making connections: Using novel 3D printing technology to generate musculoskeletal interfaces in vitro	University of Edinburgh	£7,500
Dr	Alasdair	Ross	Are Scottish baronial court records a potential source for tracking global climatic anomalies, 1573-1620AD?	University of Stirling	£590
Dr	Wolfgang	Rudig	Local election candidates in a devolved Scotland	University of Strathclyde	£7,451
Dr	Ulf-Dietrich	Schoop	Churning for survival or churning for the feast? Investigating the production and consumption of milk products in Chalcolithic Anatolia	University of Edinburgh	£7,275
Dr	Amin	Sharifi	Experimental investigation of nanoparticle-stabilised foam and its dynamic rheological properties at high temperature conditions	University of Aberdeen	£7,485
Dr	Karen	Siegel	Mapping political inequality in natural resource governance: the case of agricultural land use in Uruguay	University of Glasgow	£4,580
Dr	Eva	Stüeken	Reconstructing ocean oxygenation with coupled selenium and sulphur isotopes in hydrothermal deposits	University of St Andrews	£7,500
Prof	Ian	Taylor	INDIA IN AFRICA: PARTNER OR COMPETITOR?	University of St Andrews	£6,700
Dr	Sarah	Walsh	GPR55 regulates adrenoceptor activity via the formation of heteromers	Robert Gordon University	£7,458
Dr	Alexander	Whitelaw	Exploring the impact of geographic deprivation measures on policy and resource decisions	University of Glasgow	£5,748

Prof	Stephen	Wilson	MATHEMATICAL MODELLING AND ANALYSIS OF SELF-REWETTING FLUIDS IN HEAT PIPES	University of Strathclyde	£7,500
Dr	Lei	Wu	Understanding the Rarefied Gas Flow through Porous Media	University of Strathclyde	£7,500

*July 2017*