

Carnegie Trust for the Universities of Scotland

Summary report: Research Incentive Grants

Deadline: September 2016

1. Submissions and review process

1.1. Summary data

- 121 applications were submitted
- 6 applications were judged ineligible
- 1 Applicant withdrew
- 65 were short-listed
- 34 awards were made, 22 of these were in Arts, Humanities or Social Sciences and 12 in Science, Technology and Engineering
- The total amount awarded was £208,333 and the average value of award was £6,127.

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

These applications were therefore not considered for peer review.

1.3. Peer review process

In total, 198 Carnegie Research Assessors contributed to the review process, 130 in the Arts, Humanities, and Social Sciences, and 68 in the Science, Engineering, and Technology. Among the reviewers, 81 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 short-listed proposals and the Assessors' reports:

Committee A: Arts, Humanities & Social Sciences met on 10 January 2017, chaired by Prof Laura Galloway (Heriot-Watt) and including:

Prof Anne Douglas (RGU), Prof Pamela Ferguson (Dundee), Prof David McCausland (Aberdeen), Dr Pontus Odmalm (Edinburgh), Prof Andrew Pettegree (St Andrews), Dr Beverly Searle (Dundee), Dr Emmanuelle Tulle (GCU), Prof Ed Welch (Aberdeen), Prof Tim Worrall, (Edinburgh), Dr David Worthington (UHI) with Dr Eilidh MacPhail (UHI) and Richard Burns (Trustee) as observers.

Supported by Prof Andy Walker, Dr Patricia Krus 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 met on 7 December 2016, chaired by Dr Gary Hutchison (Napier), and including:

Prof Katherine Kirk (UWS), Prof Paul Garside (Glasgow), Prof Gareth Harrison (Edinburgh), Prof Richard De La Rue (Glasgow), Prof Alex Slawin (St Andrews), Dr Peter Barlow (Edinburgh Napier), Prof Peter Davies (Dundee), Prof Nick Rawlinson (Aberdeen), Dr Gordon Simpson (Dundee), Prof Sean Smith (Edinburgh Napier) and Dr James Cobley (Abertay) observer.

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

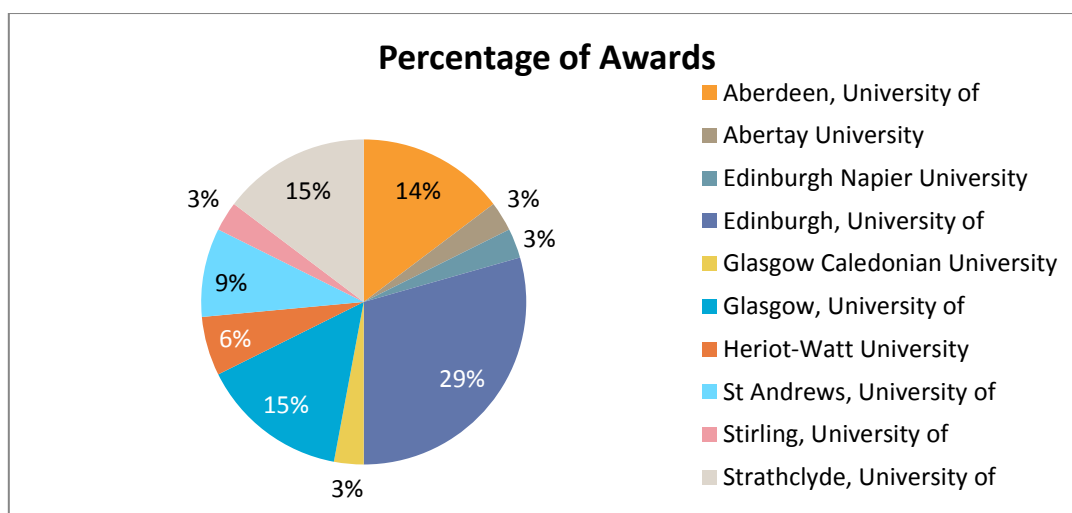
2. Awards and success rate

2.1. Overall success rate

The overall success rate was 30% (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	Withdrawn	Awarded	Success Rate
Aberdeen, University of	9	1	3		5	56%
Abertay University	3		2		1	33%
Edinburgh Napier University	9	2	6		1	11%
Edinburgh, University of	23	1	12		10	43%
Glasgow Caledonian University	4		3		1	25%
Glasgow, University of	25	2	17	1	5	20%
Heriot-Watt University	5		3		2	40%
Highlands & Islands, University of	1		1			
Robert Gordon University	3		3			
St Andrews, University of	7		4		3	43%
Stirling, University of	7		6		1	14%
Strathclyde, University of	22		17		5	23%
West of Scotland, University of the	3		3			
Total	121	6	80	1	34	28%
Success Rate Excluding ineligible & withdrawn applications: 30%						

The following chart shows the proportion of awards by university:

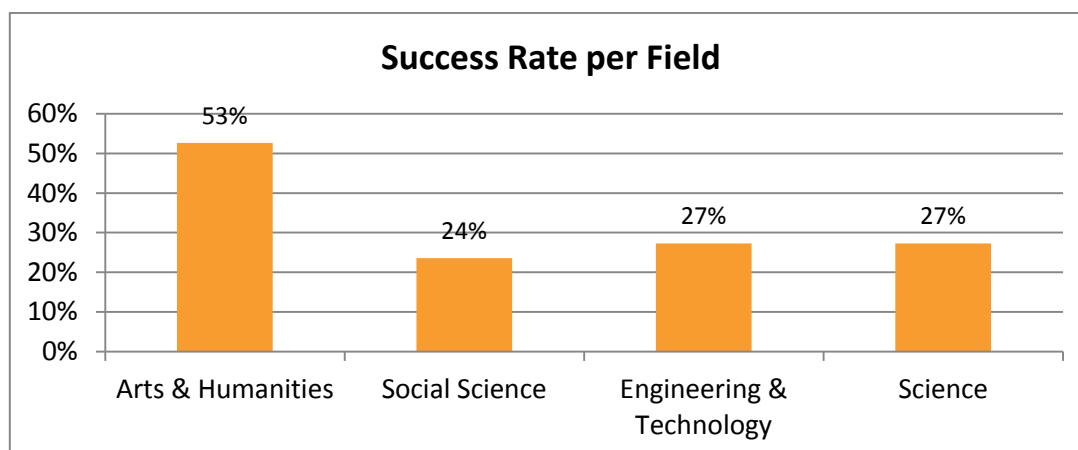
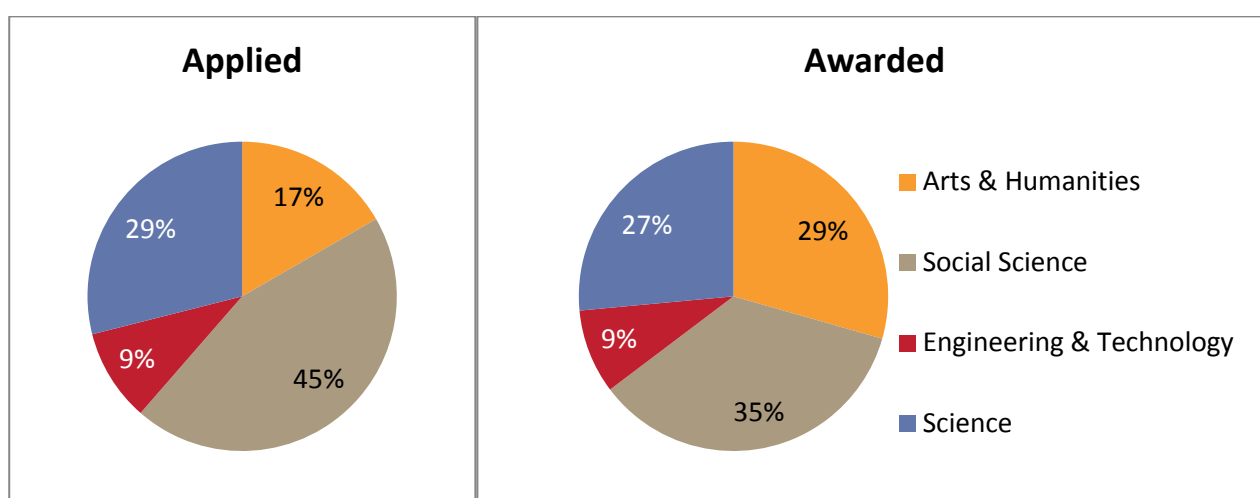


2.2. Success rate by field

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 (51) 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).

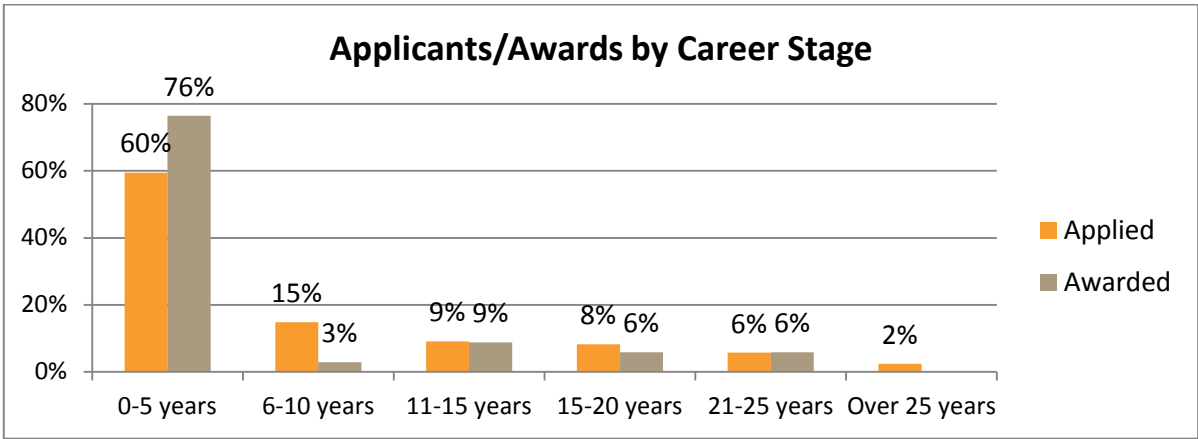
Field	Applied	Refused	Awarded
Arts & Humanities	19	9	10
Social Science	51	39	12
Engineering & Technology	11	8	3
Science	33	24	9

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

60% of awards were made to applicants identified as early career researchers (0-5 years' experience). This group made up 76% of the applicants. Mid-career academics (6-15 years' experience) represented 24% of the applicants and received 12% of the awards. Academics with 15 years' experience or more represented 16% of the applicants and received 12% of the awards.



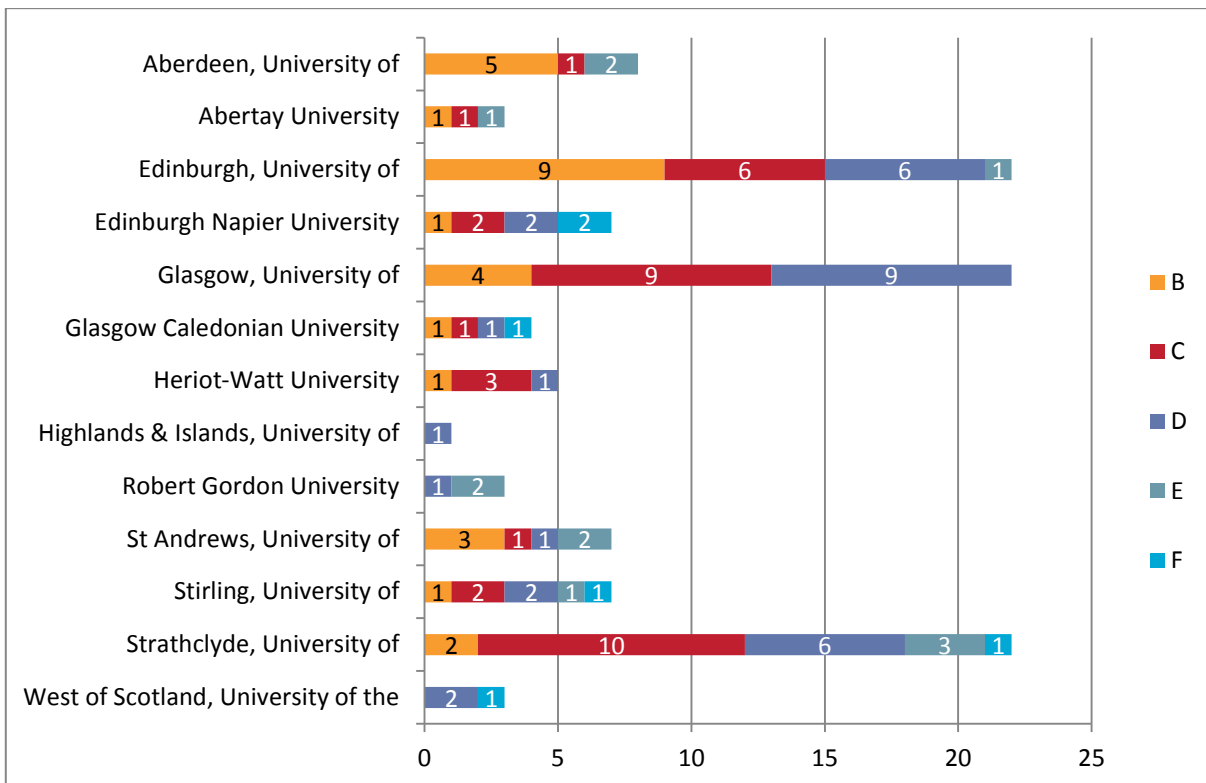
3. Scoring and funding cut off

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 4.5 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.

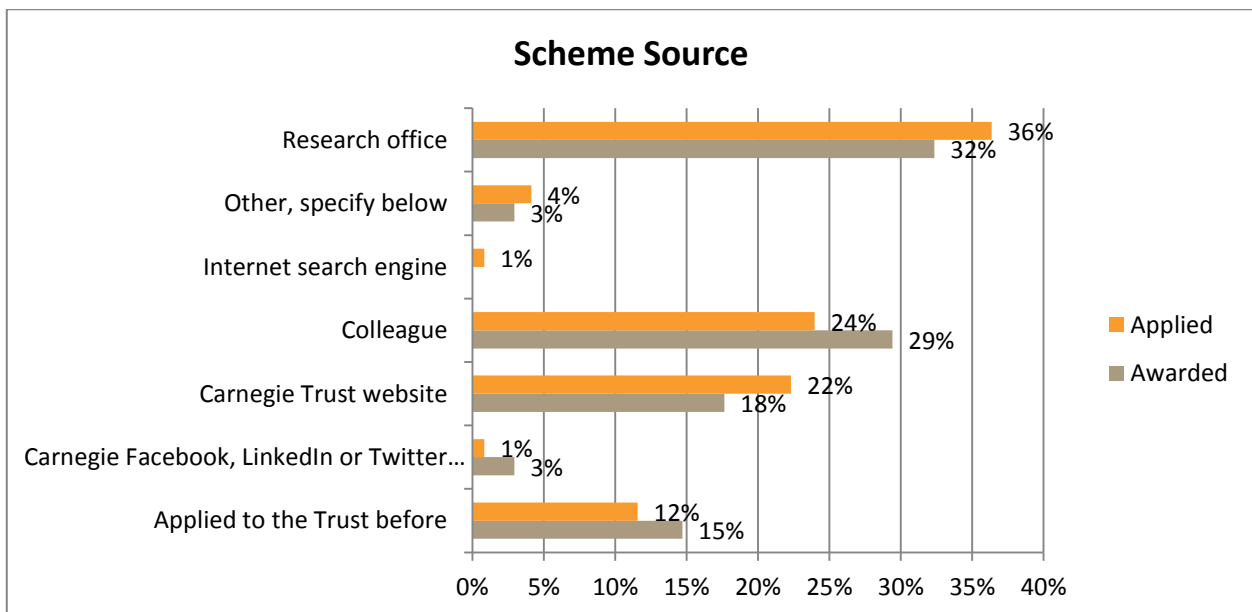
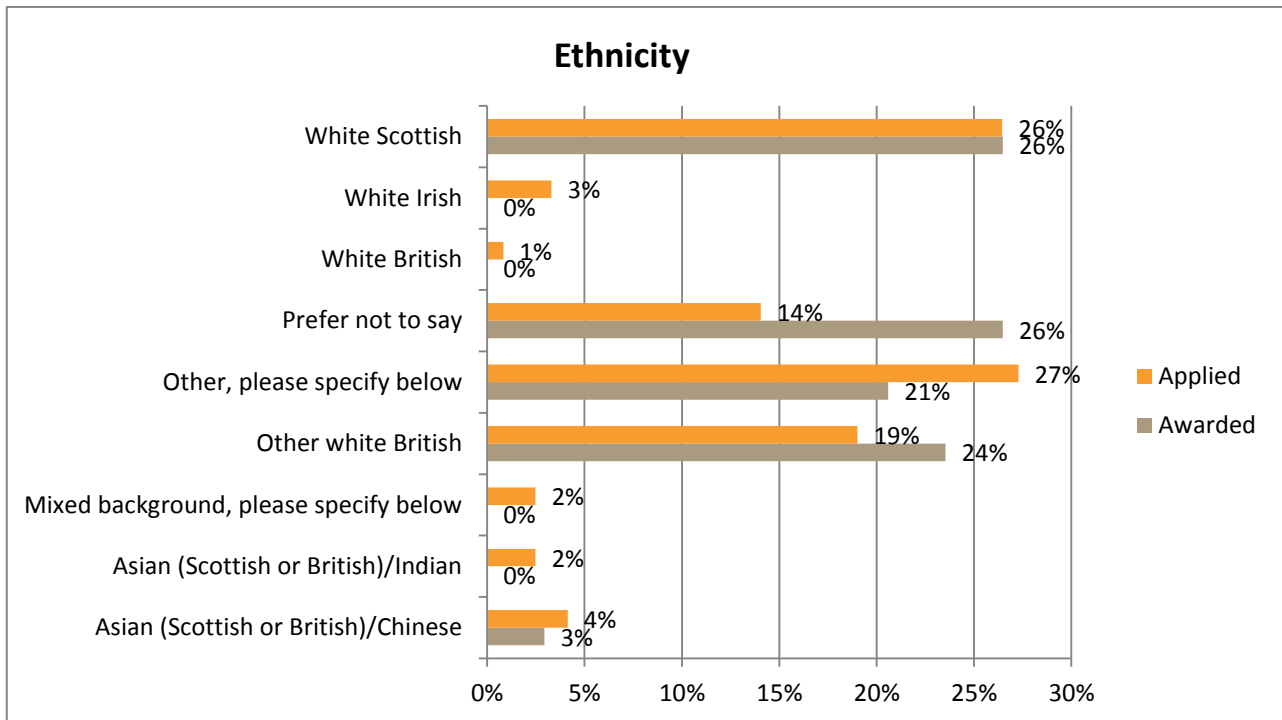
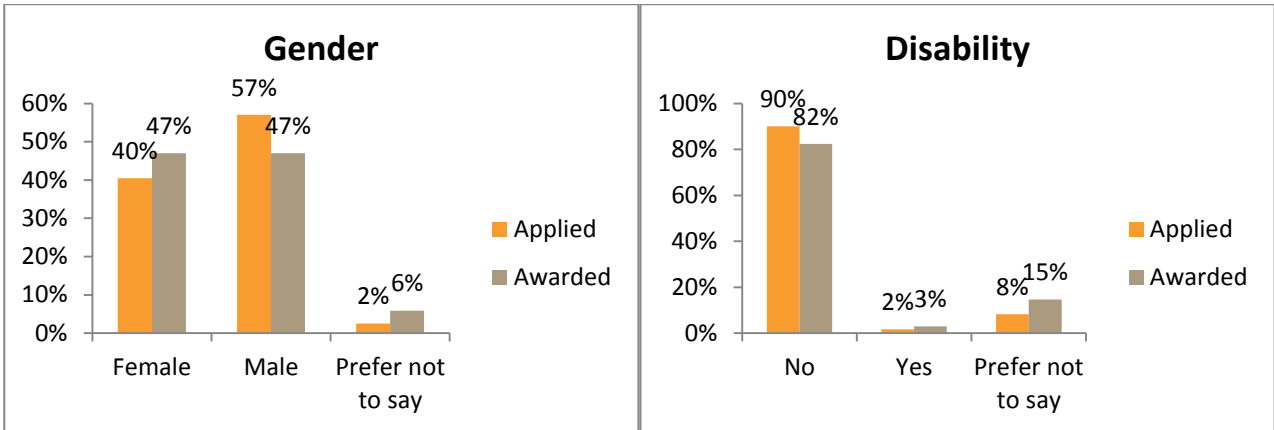
For this round, the funding cut off was 4.90 for SET applications and 4.91 for AHSS applications.

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	Angus	Bancroft	Theorising cybercriminals' online interactions: A big and thick data analysis of darknet cryptomarkets	Edinburgh	£6,332.00
Dr	Dominic	Berry	Making the potato a technology: The history of Scottish agricultural science and engineering, 1900-1950	Edinburgh	£6,704.00
Dr	Adam	Bower	Gulliver Informally Bound: The United States and the Antipersonnel Mine Ban	St Andrews	£6,733.00
Prof	Joseph	Byrne	Recent Oil Price Fluctuations: Causes and Consequences for the UK Economy	Heriot-Watt	£5,533.00
Dr	Silvia	Casini	Visualising Data: A study of biomedical imaging practices in Scottish MRI innovation, past and present.	Aberdeen	£6,992.00
Dr	You-Ying	Chau	Identification of secreted mediators regulating immune response in adipose progenitors	Edinburgh	£7,472.00
Dr	Christopher	Claassen	Measuring Democratic Political Culture in 100+ Countries Over 20+ Years	Glasgow	£4,393.00
Mr	Malcolm	Combe	Land reform – insights for Scotland from mixed legal systems / The Right (and Wrong) of Abandonment	Aberdeen	£5,000.00
Prof	Vivienne	Cree	Women in the Academy: A Case-Study of Social Work Education in Scotland	Edinburgh	£7,491.00
Dr	Nataliya	Danilova	War Commemoration, Military Culture and Identity Politics in Scotland	Aberdeen	£7,226.00
Prof	Robert	Dunbar	The Gaelic Vision of Jonathan G. MacKinnon and his Canadian Contemporaries	Edinburgh	£4,460.00
Dr	Hannah	Fitzpatrick	Geography's Decolonisation: Re-ordering territory and producing geographical knowledge in the midst of decolonisation	Aberdeen	£4,878.00
Dr	Adrian	Florea	De Facto States in International Politics (2012-2015)	Glasgow	£7,482.00
Dr	Florian	Fusseis	Thermo-mechanical-hydraulic feedbacks in engineered barriers and host rocks of nuclear waste repositories	Edinburgh	£7,463.00
Dr	Georgios	Gerasimou	Status Quo Bias and the Decoy Effect	St Andrews	£3,600.00
Dr	Ross	Gray	On the Production of a High Energy Supercontinuum Optical Probe for Fundamental Laser-Plasma Physics	Strathclyde	£7,161.00
Dr	Emma	Hall	Are centriolar satellites essential for mammalian development?	Edinburgh	£7,497.00
Prof	Faye	Hammill	Martha Ostenso's The Young May Moon: A Critical Edition	Strathclyde	£3,973.00
Dr	Susanna	Harris	Micro-Tracing British Bronze Age textiles (2200-900 BC)	Glasgow	£3,909.00
Dr	Yuner	Huang	Application of High-Strength Steel in Offshore Wind Energy Tubular Structures	Edinburgh	£7,473.00
Dr	Sophie	Huczynska	Difference families in coding and cryptography	St Andrews	£5,220.00
Dr	Gillian	Hunter	Is neural crest cell development altered in spinal muscular atrophy?	Glasgow Caledonian	£6,800.00
Dr	Antonio	Hurtado	BRAIN-inspired networks of ultrafast PHOTONIC Neurons (BRAIN PHOTONICS)	Strathclyde	£7,496.00

Dr	Eamon	McCarthy	Documenting Norah Borges's artistic practices	Glasgow	£5,000.00
Dr	Karen	Meyer	Simulating the effect of small-scale processes on the evolution and decay of solar active regions	Abertay	£6,143.00
Dr	David	Nelson	Nickel Complexes with Bisoxazoline-Derived Ligands: Coordination Chemistry and Reactivity	Strathclyde	£3,823.00
Dr	Lynn	Paterson	An inexpensive, flexible, white-light nanoscope for super-resolution imaging of biological structures	Heriot-Watt	£7,323.00
Dr	Marc	Reid	Manganese by Numbers: A Toolbox for Industry-aligned Innovation	Strathclyde	£6,893.00
Dr	Paul	Rigby	Responding to Unaccompanied Minors in Scotland	Stirling	£7,161.00
Dr	Guillaume	Robin	Death, landscape and agency: mapping dead-living interactions in Late Neolithic Sardinia (Italy)	Edinburgh	£6,686.00
Dr	Elizabeth	Shaw	Neuroscience, Free Will and Retribution.	Aberdeen	£5,070.00
Dr	Anna	Souhami	Policing at the periphery: understanding police work in the remote Northern islands of Scotland.	Edinburgh	£7,500.00
Dr	Alexander	Supartono	Chronicling Empire: Scottish Albums in Colonial Southeast Asia	Edinburgh Napier	£7,446.00
Dr	Donna	Yates	Towards an understanding of the links between transnational organized antiquities and wildlife crime in Africa	Glasgow	£4,000.00

January 2017