

Analysis of RIG Outcomes: September 2018 Deadline

1. Submissions and review process

1.1. Summary data

- 112 applications were submitted;
- 7 applications were judged ineligible;
- 71 were short-listed for panel review;
- 48 awards were made, 25 of these were in Arts, Humanities and Social Sciences, and 23 in Science, Engineering and Technology;
- The total amount awarded was £415,679 and the average value of an award was £8,660.

1.2. Ineligible applications

On receipt of the applications, a total of 7 applications 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, or did not permit self-directed research;
- 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, 227 Carnegie Research Assessors contributed to the review process, 127 in the Arts, Humanities, and Social Sciences, and 100 in the Science, Engineering, and Technology. In addition to existing Assessors, additional reviewers were recruited for this particular round to fill gaps in expertise. These experts were recruited both from the UK and internationally.

Assessors were asked to review proposals against the following criteria:¹

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

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

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

Committee A: Science, Engineering and Technology met on 5th December 2018, chaired by Prof Derek Woollins (St Andrews), and including:

Prof Chris Johnson (Glasgow), Dr Colin Allison (St Andrews), Dr Bjoern Franke (Edinburgh), Prof Graham Stone (Edinburgh), Prof William Harnett (Strathclyde), Prof Richard Karl Grecis (Manchester), Prof Tom O'Donoghue (Aberdeen), Dr Frances Fuller-Pace (Dundee), Prof Andrew Walker (CTUS) and Dr John Thompson (CTUS).

Supported by Dr Patricia Krus.

Committee B: Arts, Humanities and Social Sciences met on 11th December 2018, chaired by Prof Andrew Walker (CTUS) and including:

Dr Andrea Teti (Aberdeen), Dr Audrey Paterson (Heriot-Watt), Dr Daniel Hammett (Sheffield), Prof David McCausland (Aberdeen), Prof David Power (Dundee), Dr Iain Atherton (Edinburgh Napier), Prof James Loxley (Edinburgh), Prof Moira Munro (Glasgow), Prof Paul Jackson (Birmingham), Dr Robert Rogerson (Strathclyde), Dr Anouk Lang (Edinburgh), Prof Harry Dickinson (Edinburgh), Prof Andrew Roberts (Dundee) and Dr Steven Buchanan (Strathclyde)

Alison Hay (Glasgow School of Art) and Elaine Hook (Royal Conservatoire of Scotland) acted as observers. Supported by Dr Patricia Krus and Dr John Thompson. Prof Andrew Walker acted as *ad hoc* Chair due to the agreed Chair, Dr Andrea Teti, being unavailable.

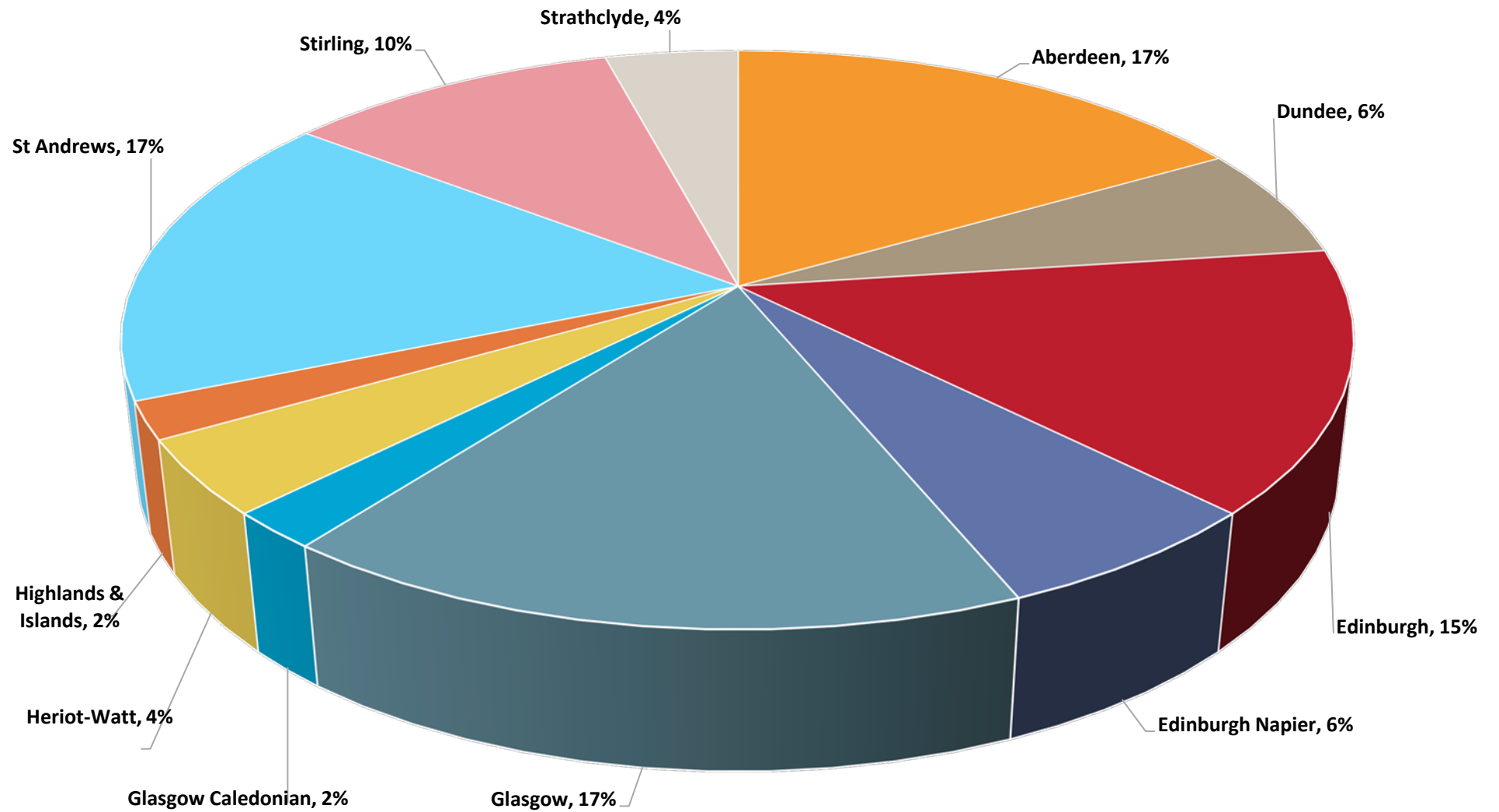
2. Awards and success rate

2.1. Overall success rate

The overall success rate was 46 per cent, 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	Pending decision	Awarded	Success rate
Edinburgh Napier University	8			3	38%
Glasgow Caledonian University	3			1	33%
Heriot-Watt University	4	1		2	50%
Queen Margaret University	1	1		0	0%
Robert Gordon University	3			0	0%
University of Aberdeen	11			8	73%
University of Dundee	8			3	38%
University of Edinburgh	15	1	1	7	47%
University of Glasgow	24	4		8	33%
University of St Andrews	11			8	73%
University of Stirling	9			5	56%
University of Strathclyde	11			2	18%
University of the Highlands & Islands	2			1	50%
University of the West of Scotland	2			0	0%
Total	112	7	1	48	43%

The chart below displays the proportion of awards by university:



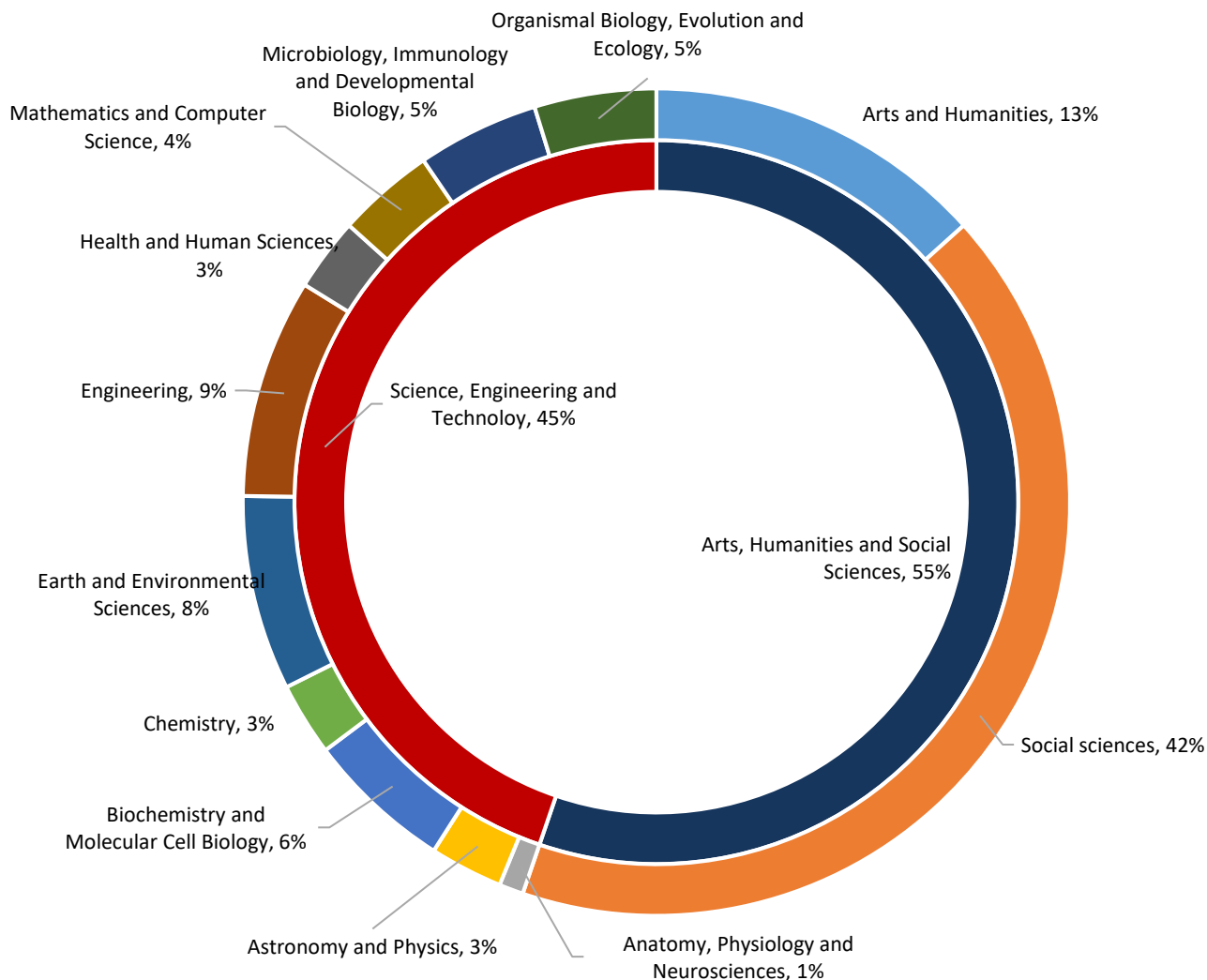
2.2. Success rate by field

The following table provides a breakdown of applications by panel and research area, excluding applications deemed ineligible or withdrawn. The Arts, Humanities and Social Sciences panel reviewed 58 applications and the Science, Engineering and Technology panel reviewed 47 applications. Within the Arts, Humanities and Social Sciences Panel, the Social Sciences research area attracted the highest number of applications (44). Within the Science, Engineering and Technology panel, Engineering attracted the highest number of applications (9) closely followed by Earth and Environmental Sciences (8).

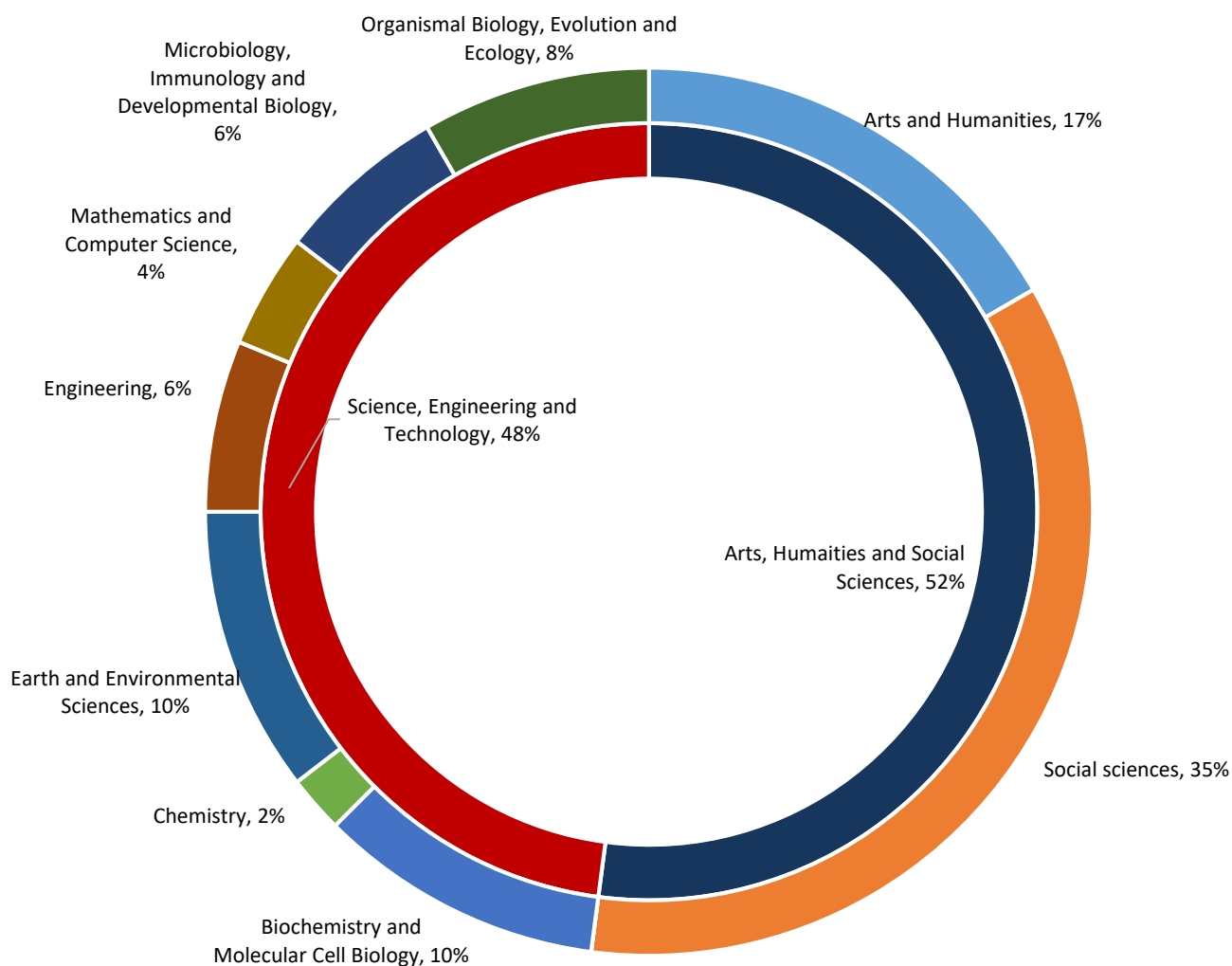
Breakdown by Panel and Research Area	Applied	Awarded
Arts, Humanities and Social Sciences	58	25
Arts and Humanities	14	8
Social sciences	44	17
Science, Engineering and Technology	47	23
Anatomy, Physiology and Neurosciences	1	0
Astronomy and Physics	3	0
Biochemistry and Molecular Cell Biology	6	5
Chemistry	3	1
Earth and Environmental Sciences	8	5
Engineering	9	3
Health and Human Sciences	3	0
Mathematics and Computer Science	4	2
Microbiology, Immunology and Developmental Biology	5	3
Organismal Biology, Evolution and Ecology	5	4
Grand Total	105	48

The doughnut charts below show the percentage of applications and awards by panel and research area, excluding applications deemed ineligible or withdrawn. The inner ring displays the percentage of applications by panel while the outer ring shows the percentage of applications by research area. Research areas are shown on the outside of their respective panel.

Applications by Panel and Research Area

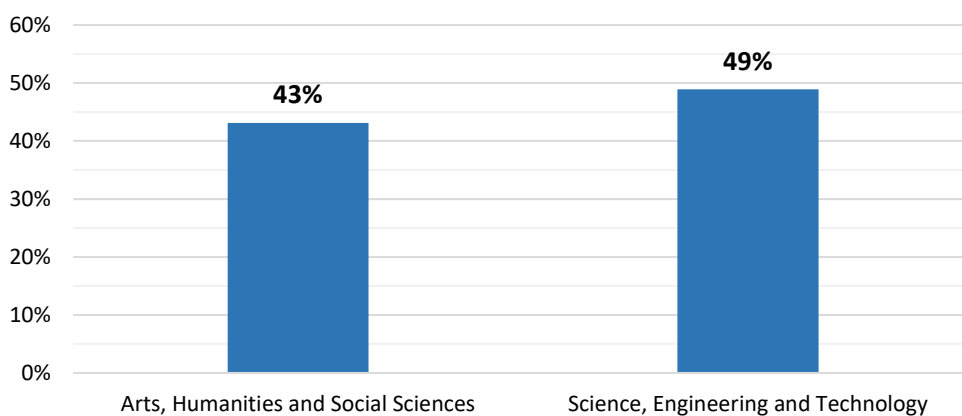


Awards by Panel and Research Area

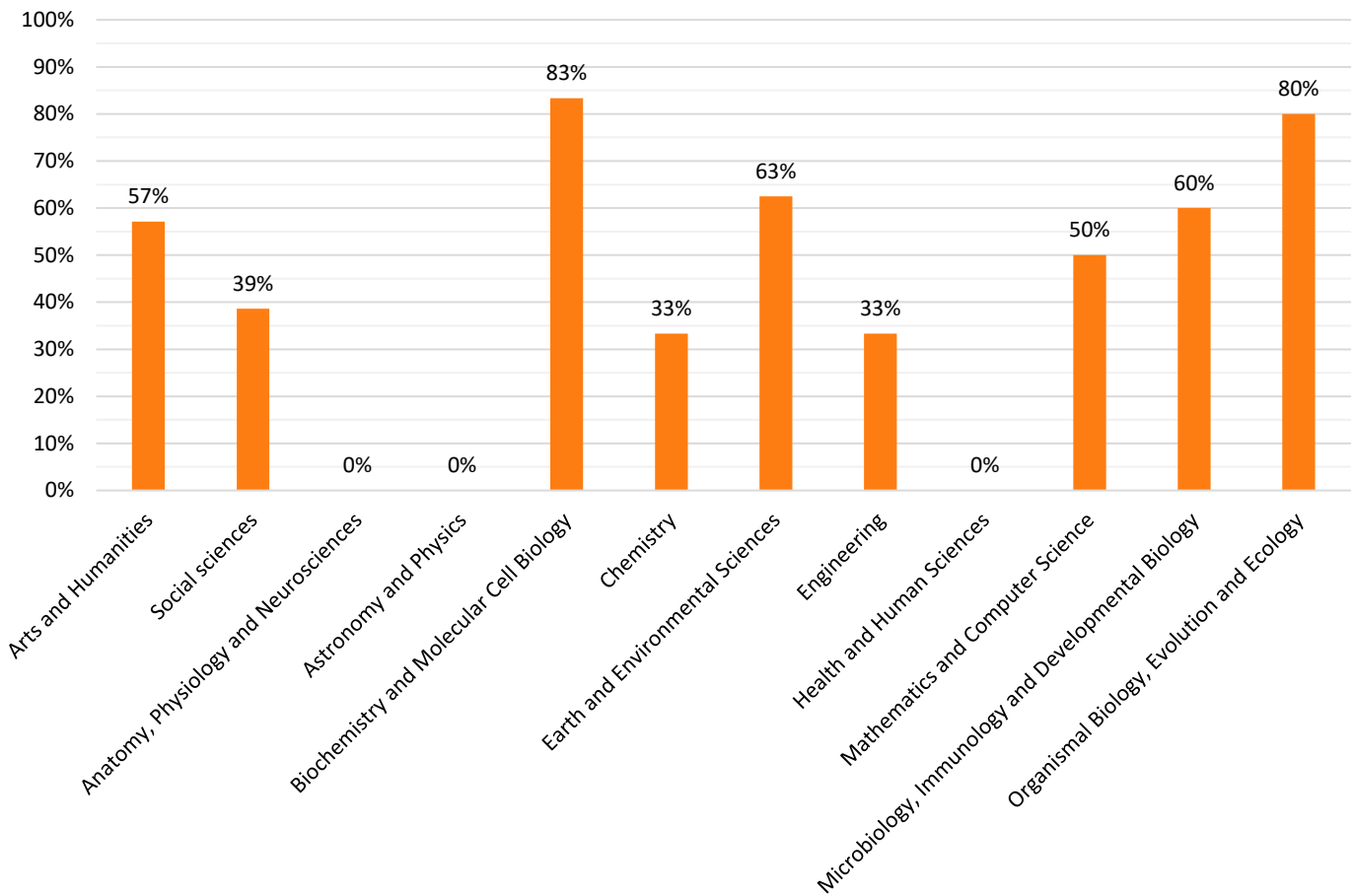


The following charts display the success rate by panel and by research area, excluding applications deemed ineligible or withdrawn. 43 per cent of applications reviewed by the Arts, Humanities and Social Sciences panel were successful, whereas 49 per cent of applications reviewed by the Science, Engineering and Technology panel were successful.

Success Rate by Panel Area



Success Rate by Research Area

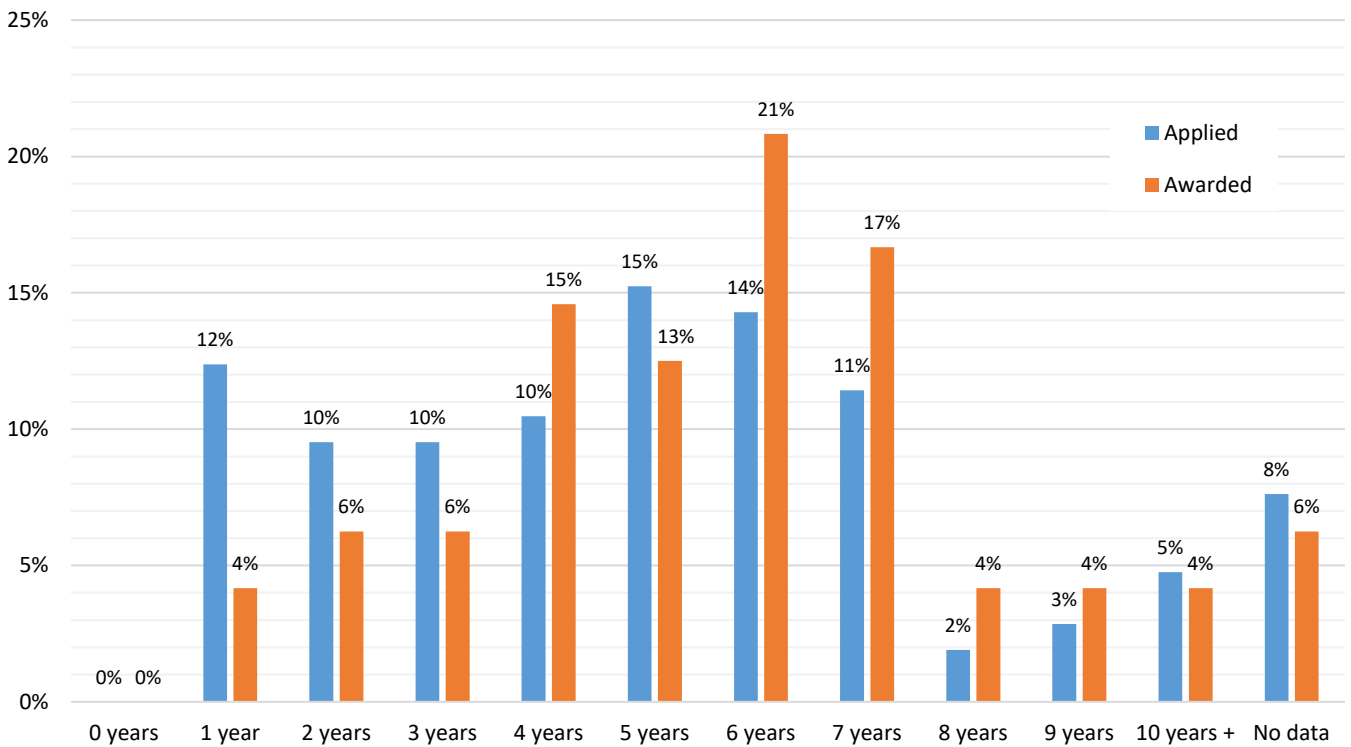


2.3. Success rate by career stage

NOTE: As part of their application, applicants are asked to state the length of their research career, regardless of whether they considered themselves to be independent researchers or not during that time. As a result, the number of years stated may differ from the Trust’s definition of an Early Career Researcher as an individual who is within 7 years of starting their independent research career.

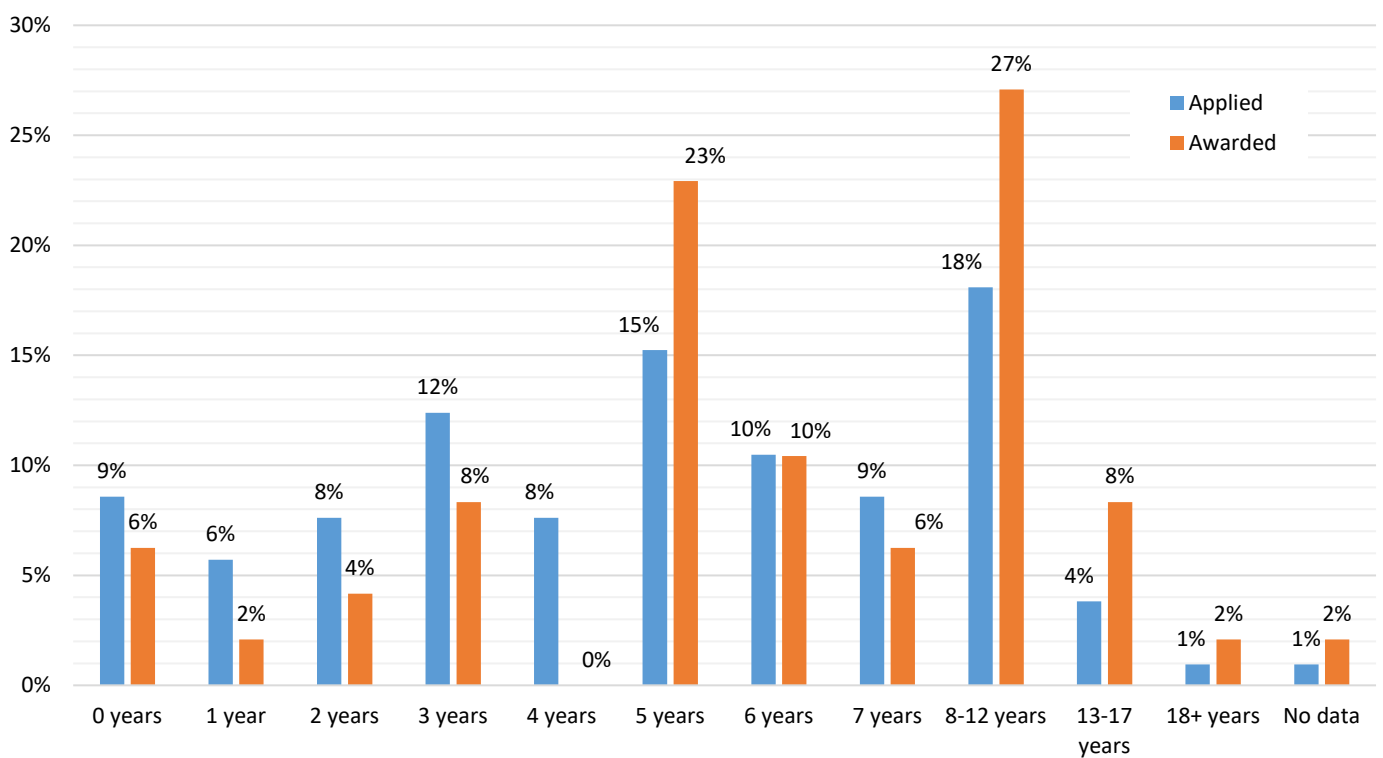
The most successful career stage, with 21 per cent of awards, were applicants six years into their academic career who only comprised 14 per cent of applicants. This was followed by academics with seven years’ experience representing 11 per cent of applicants, who received 17 per cent of the awards. The least successful were those applicants at the start of their research careers with the one year group only receiving 4 per cent of awards, despite comprising 12 per cent of applicants. This data excludes applicants deemed ineligible or who withdrew their application.

Applied/Awarded by Years into Academic Career



27 per cent of awards were given to applicants who received their PhD between 8 and 12 years ago, despite this group making up only 18 per cent of applicants. This data excludes applicants deemed ineligible or who withdrew their application.

Applied/Awarded by Years Since PhD Graduation



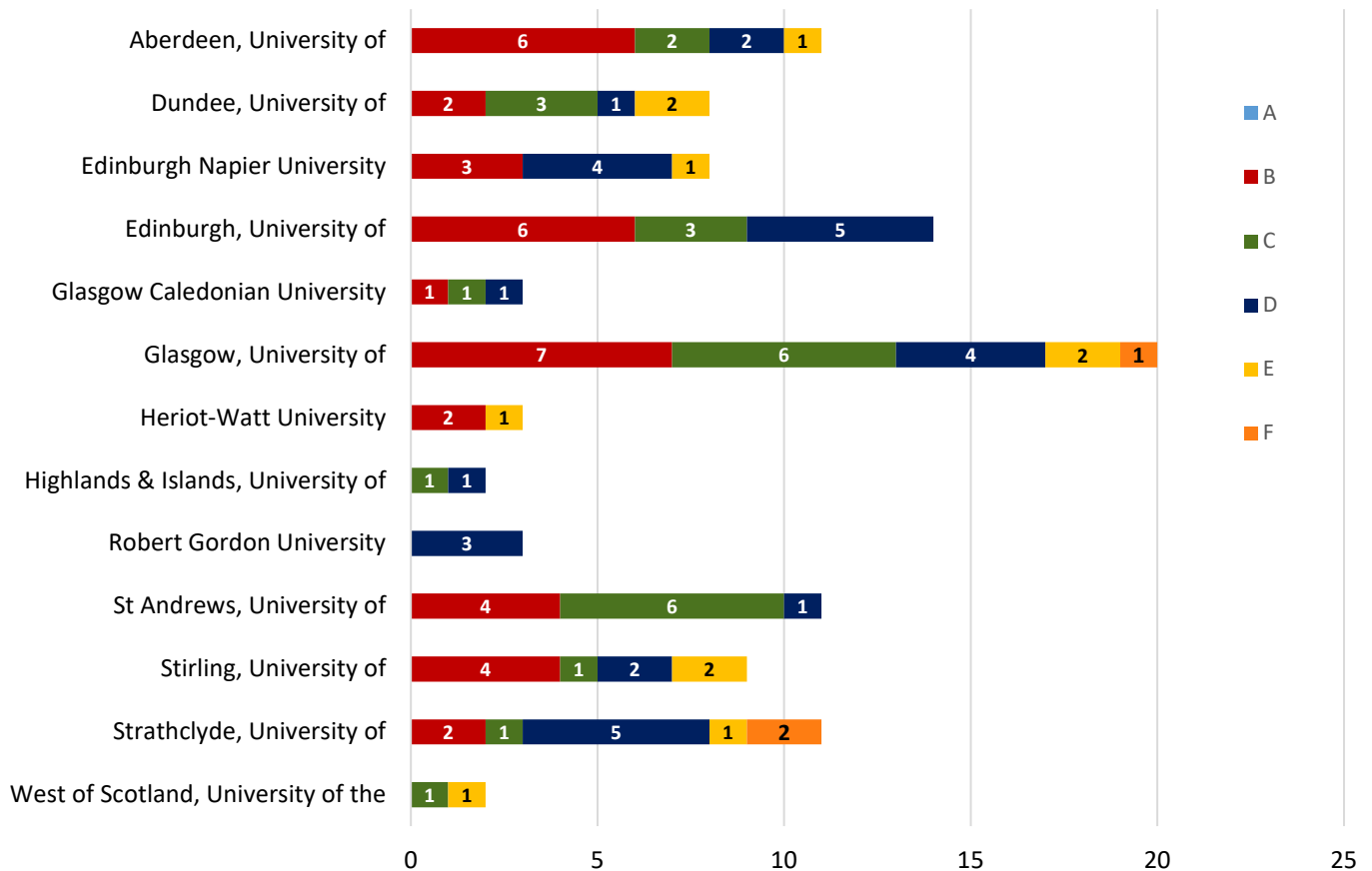
3. Scoring and Funding Cut-off

Carnegie Research Assessors are asked to score each proposal against 4 criteria on a scale of 0 to 6. During this round any proposal with an average score of 4.0 and above was short-listed, along with any proposals for which only one initial assessment was returned, or where the assessor scores diverged by 3 or more points. Each short-listed proposal was sent to two members of the relevant Selection Committee who each provided comments and an additional score. The Committee scores were then collated to create a preliminary ranking which formed the basis for discussion during the two panel meetings. From these meetings final ranked lists for each panel area were generated, specifically concentrating on the likely funding cut-off point. A final decision on the awards to be made is reached by the two Selection Committee Chairs, in concert with the Trust’s Secretary & Treasurer and Trust Manager, on the basis of the numbers and relative strengths of the applications as well as the available budget.

For this round, the funding cut off was 4.85 for SET applications and 4.25 for AHSS applications.

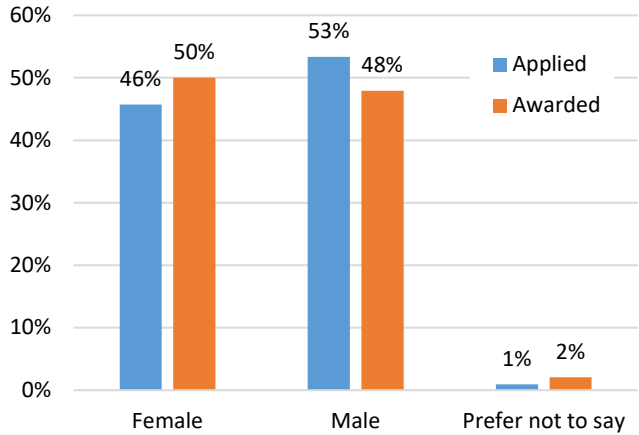
For each university, the spread of scores as concluded by the Assessors and the Committees (grouped in bands), is illustrated by the chart below:

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

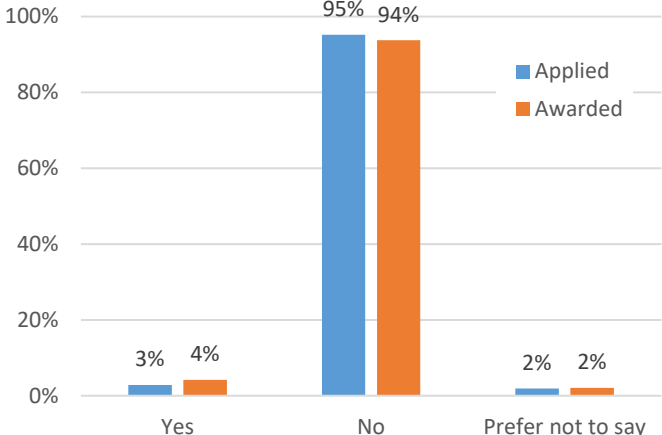


4. Equal opportunities

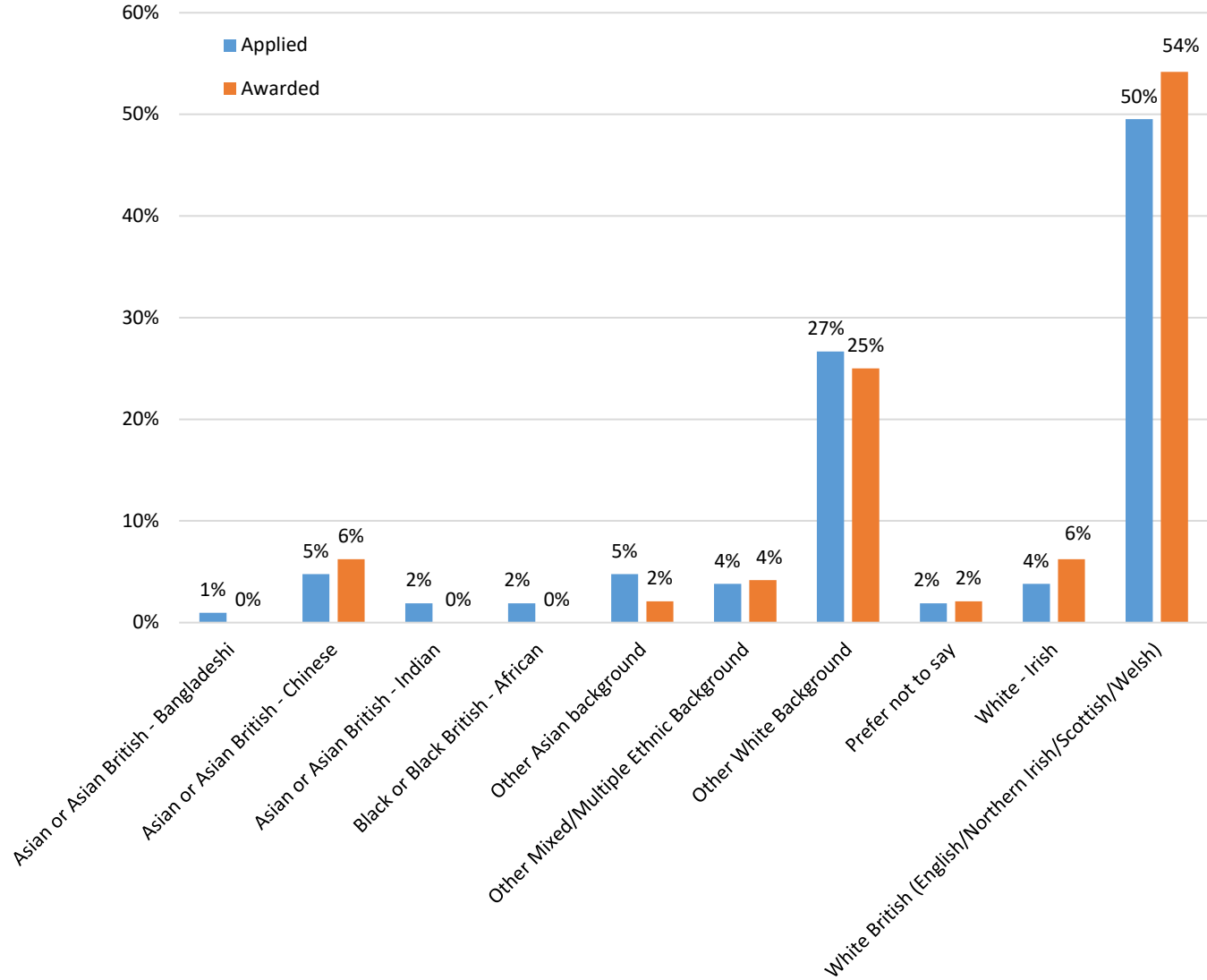
Gender



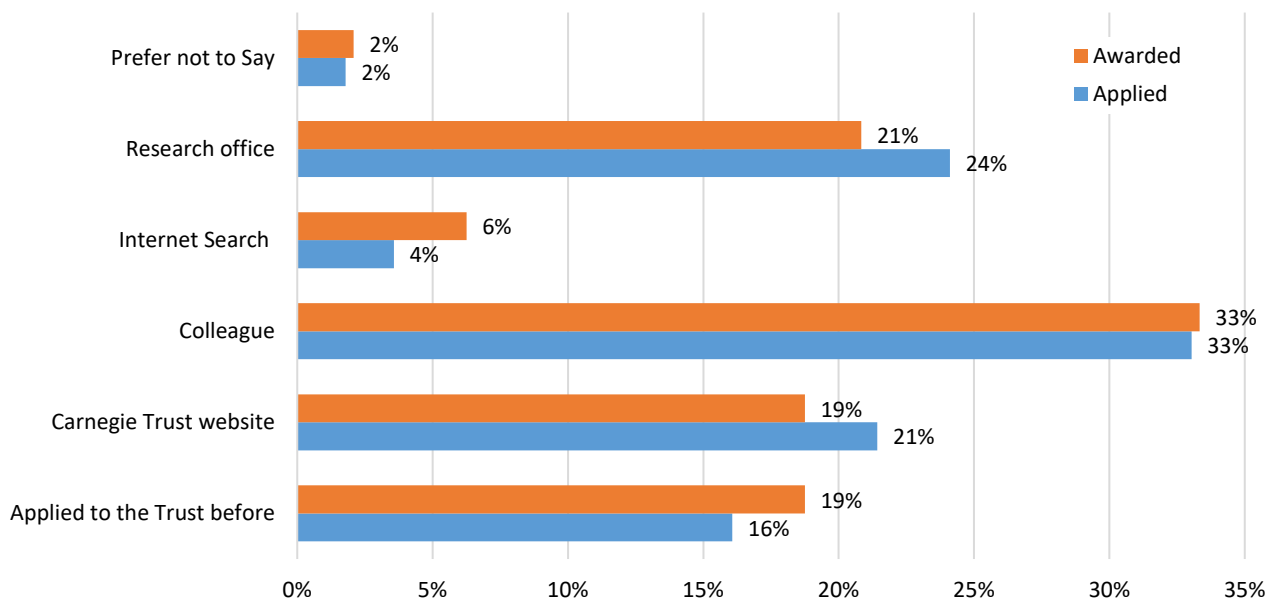
Disability



Ethnicity



Scheme Source



5. List of Awardees

Prefix	First Name	Surname	Project Title	University	Amount awarded
Dr	Huseyn	Aliyev	Micro-level dynamics of pro-government mobilisation amongst Ukraine's Crimean Tatars	University of Glasgow	£9,540
Dr	Scott	Allan	Performance management: the problem of measuring professionals	University of Aberdeen	£9,940
Dr	Hazel	Baxter-Reid	The mobility power of EU citizens and employers in the UK horticulture and healthcare industry	University of Stirling	£7,218
Dr	Clare	Bird	Understanding ecological dependencies in planktonic foraminifera: A role for the microbiome under climate change	University of Stirling	£9,842
Dr	Lindsay	Blair	Constructing the Poetic Gaze: A.B. Ovenstone (1851 -1935) and 'The Amateur Photographer'.	University of the Highlands & Islands	£2,978
Dr	Alexander	Brasier	Rock burial and destruction of microbial fossils: pushing limestone to the limits and beyond	University of Aberdeen	£9,710
Dr	Alexander	Brownlee	TOGA: Towards Grammar-Aware Operators for Genetic Improvement of Software	University of Stirling	£9,908

Dr	Christopher	Claassen	Does Democracy Require a Supportive Political Culture?	University of Glasgow	£7,513
Dr	Fraser	Dallachy	A Skeleton Thesaurus of the Scots Language	University of Glasgow	£8,456
Dr	Yuan	Ding	Fusion of WiFi and RFID for Device-free Sensing	Heriot-Watt University	£8,795
Dr	Augusto	Esteves	Gaze tracking through in-ear sensing	Edinburgh Napier University	£9,991
Dr	Antonella	Fidanza	Single cells perspective on blood development	University of Edinburgh	£10,000
Dr	Katie	Garner	Forging the Mermaid	University of St Andrews	£6,590
Dr	Elizabeth	Geary Keohane	'André Gide and Scottish Literature: Influenced and Influencer?'	University of Glasgow	£3,414
Dr	Josie	Geris	Plant water availability and use in coffee agroforestry systems – exploring changes in water use strategies	University of Aberdeen	£9,745
Dr	Corey	Gibson	Dreaming the Daily Darg: Working Lives in Scottish Fiction since 1918	University of Glasgow	£9,060
Dr	Kirsteen	Grant	Young people's expectations of work and readiness of the workplace: Two sides of the same coin?	Edinburgh Napier University	£9,979
Dr	Daniel	Hale	Cannabis use: long-term mental health outcomes and predictors of harm	Heriot-Watt University	£9,819
Dr	Andrew	Hein	A new approach to ice-sheet history and landscape evolution in the Cairngorms, Scotland	University of Edinburgh	£9,939
Dr	Rachel	Howell	Transition to more sustainable lives?: the impact of infrastructure and services on students' habitual behaviours	University of Edinburgh	£9,902
Dr	Brian	Hudson	Unlocking G protein coupling to the Smoothed receptor using bioluminescent biosensors	University of Glasgow	£9,400

Dr	Katherine	Keenan	The health and demographic outcomes of only children over the life course	University of St Andrews	£8,600
Dr	Irene	Kyza	Efficient numerical algorithms for the Schrödinger-Poisson system with applications in cosmology	University of Dundee	£9,998
Dr	Adriano	Lameira	Exploring the possibility of speech-like vocal behavior in chimpanzees	University of St Andrews	£9,989
Dr	Jenson	Lim	Evaluating the impact of chronic exposure to low dose ionising radiation on immunity	University of Stirling	£9,450
Dr	Nan	Liu	Cladding issues in high rise buildings – the evolution of the performance-based regulation from an interdisciplinary perspective.	University of Aberdeen	£9,944
Dr	Alexander	Lorenz	Engineered Targeting of Chromatin Remodeling Complexes to Control Meiotic Recombination	University of Aberdeen	£9,982
Dr	Ciarán	McFadden	Exploring The Lived Experiences of Transgender Employees in Scotland	Edinburgh Napier University	£1,870
Dr	Catriona	Menzies	How much carbon goes into the Earth's mantle, and how does it get there?	University of Aberdeen	£9,973
Dr	Jamie	Murray	Augmented Reality: A Step-Change in Memory for Faces	University of Stirling	£8,760
Dr	David	Nelson	COMPUTATIONAL SCREENING OF NICKEL COMPLEXES FOR THE ACTIVATION OF 'INERT' BONDS	University of Strathclyde	£9,000
Dr	Stefanos	Papanicolopoulos	Tracking granular flows using multiple instrumented grains	University of Edinburgh	£9,891
Dr	Georgia	Perona-Wright	The impact of regulatory cytokines on lung repair during influenza infection	University of Glasgow	£10,000
Dr	Jennifer	Regan	A new model for alcohol-induced intestinal barrier dysfunction	University of Edinburgh	£9,725
Dr	Louise	Reid	Homes that care: How are Health Smart Homes envisioned in Scotland?	University of St Andrews	£9,137

Miss	Anna	Robb	An examination of pedagogical practice of beginner primary school teachers with creative industry experience.	University of Dundee	£2,695
Dr	Natasha	Saunders	Refugee and Asylum Seeker Activism in Scotland: 1999 to Present	University of St Andrews	£7,092
Dr	Catherine	Sheard	Which came first: the parent or the egg? The evolution of parental care and egg size in marine fishes.	University of St Andrews	£4,848
Dr	Richard	Sloan	Control of LINE-1 endogenous retroelements by the cellular antiviral protein REAF	University of Edinburgh	£10,000
Dr	Robert	Steele	Unlocking the record of early Solar System thermal events in chondrules	University of St Andrews	£9,333
Dr	Jun	Sudduth	Civilian Elite Purges in Dictatorships	University of Strathclyde	£9,962
Dr	Bert	Timmermans	Experiencing myself through you: Self-agency in social interaction	University of Aberdeen	£9,957
Dr	Madalina	Toma	Central policies, national improvement programmes and local change; An exploratory study of access to mental health treatment in Scotland	University of Dundee	£5,000
Dr	Sally	Tuckett	Transatlantic Threads: Textiles in the Scottish-American Context, c.1707-1830	University of Glasgow	£9,883
Dr	Gerben	van Ooijen	Developing gene editing tools in a model cell for circadian rhythms	University of Edinburgh	£10,000
Dr	Frances	Wilkins	Sacred Singing of the West Highlands and Islands	University of Aberdeen	£9,983
Dr	Mark	Williams	Investigating the impact of the sphingosine kinase 1 pathway on bone marrow mediated chemotherapy resistance in Acute Myeloid Leukaemia	Glasgow Caledonian University	£10,000
Prof	Judith	Wolfe	Adam Zoernikav: A Forgotten Pan-European Thinker	University of St Andrews	£8,868