

# Summary report

## Research Incentive Grants

### - Deadline March 2015

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## 1. Submissions, review process, awards, and success rate

### 1.1. Summary data

- 126 applications were submitted
- 13 applications were judged ineligible
- 1 application was withdrawn by the applicant
- 34 awards were made, 17 of these were in Arts, Humanities or Social Sciences (£76,611) and 17 in Science, Technology and Engineering (£112,736)
- 1 awarded applicant withdrew
- The total amount awarded was £189,347 and the average value of award was £5,570

### 1.2. Peer review process

In total, 202 Carnegie Research Assessors contributed to the review process, 124 in the Arts, Humanities, and Social Sciences, and 78 in the Science, Engineering, and Technology. 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 proposals and the Assessors' reports:

**Committee A: Arts, Humanities & Social Sciences**, chaired by Prof Adrienne Scullion (Glasgow) and including:

Prof Stewart Brown (Edinburgh), Dr Lorna Burns (St Andrews), Dr Ed Hall (Dundee), Prof Alvin Jackson (Edinburgh), Prof Ninetta Santoro (Strathclyde), Prof David Ulph (St Andrews), Dr Jeremy Valentine (Queen Margaret). Observer: Dr Alison Brown (Aberdeen). Supported by Prof Andy Walker, Dr Patricia Krus, and Ms Barbara Bianchi (CTUS)

**Committee B: Science, Engineering & Technology**, chaired by Prof David Coates (Dundee) and including:

Prof Rory Duncan (Heriot-Watt), Dr Ross Forgan (Glasgow), Prof Neil Ghani (Strathclyde), Prof Carol MacKintosh (Dundee), Prof Martin McCoustra (Heriot-Watt), Dr Paul Mulheran (Strathclyde), Dr Sari Pennings (Edinburgh). Observer: Dr Claire Garden (Edinburgh Napier). Supported by Prof Andy Walker, Dr Patricia Krus, and Ms Barbara Bianchi (CTUS)

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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>

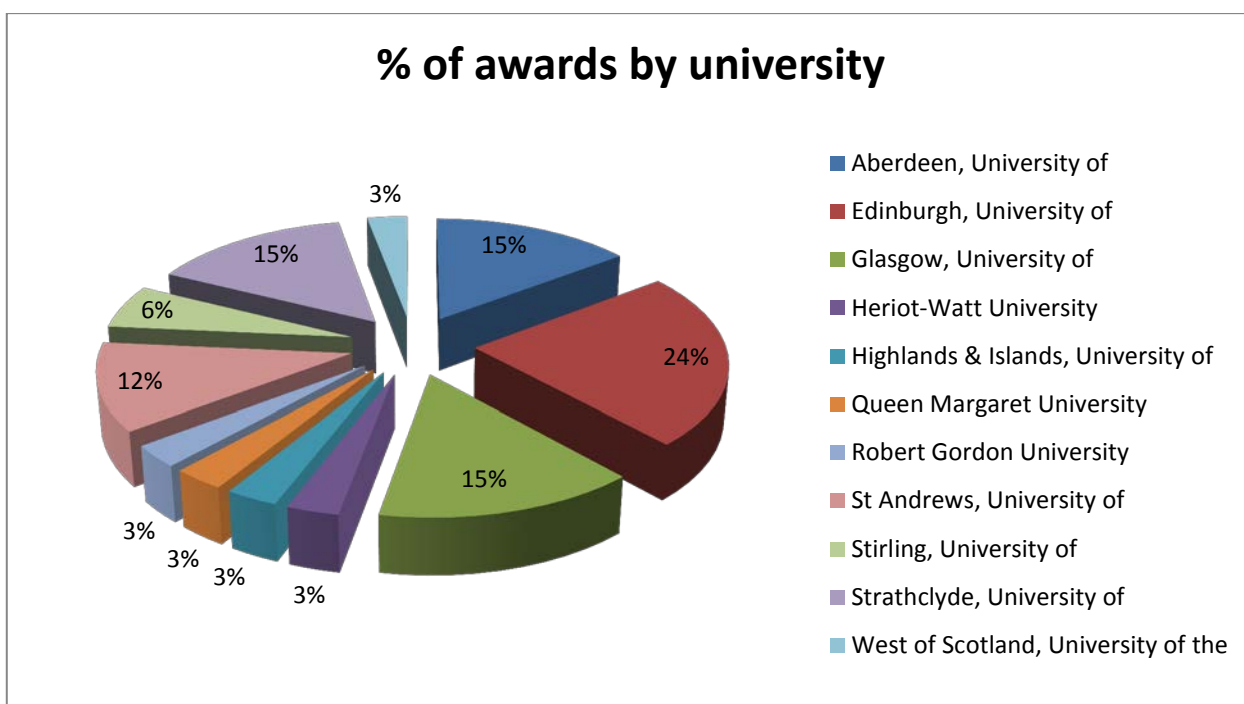
### 1.3.Success rate

The overall success rate was 27%. The table below shows the numbers of applications received, the awards made, and the success rate by university of affiliation:

University	No of applications	No of awards	Success rate
Aberdeen, University of	12	5	42%
Dundee, University of	6	0	0%
Edinburgh, University of	22	8	36%
Edinburgh Napier University	1	0	0%
Glasgow, University of	23	5	22%
Glasgow Caledonian University	3	0	0%
Heriot-Watt University	3	1	33%
Highlands & Islands, University of	2	1	50%
Queen Margaret University	4	1	25%
Robert Gordon University	9	1	11%
St Andrews, University of	15	4	27%
Stirling, University of	9	2	22%
Strathclyde, University of	11	5	45%
West of Scotland, University of the	6	1	17%
<b>Total</b>	<b>126</b>	<b>34</b>	

N.B. There were no applications from Abertay University

The following graph shows the proportion of awards by university:

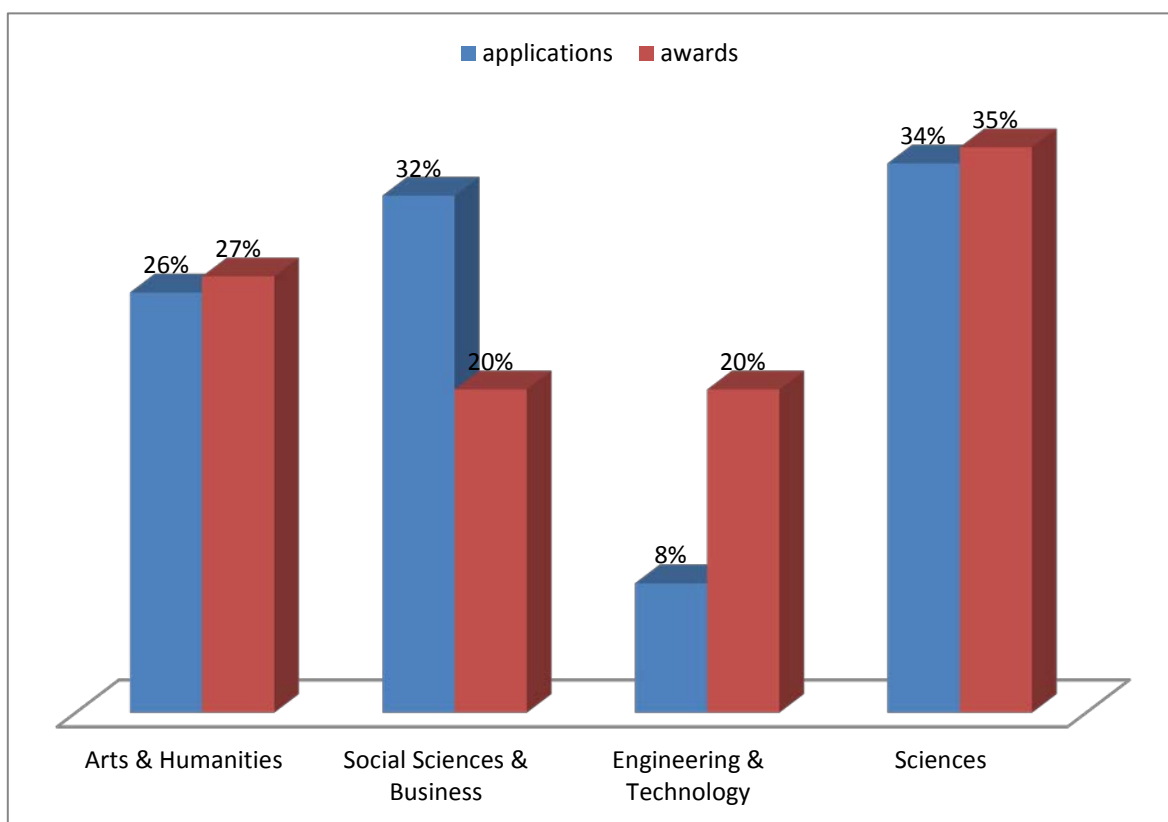


## 1.4. Success rate by field

The following table provides information by broad research-field category for the full set of submissions (i.e. including those subsequently deemed ineligible or those withdrawn). The highest number of applications (43) was in the category of Sciences, which includes both Life Sciences and Physical Sciences. The second highest number of applications (40) was in the category of Social Sciences, which includes Business and Management.

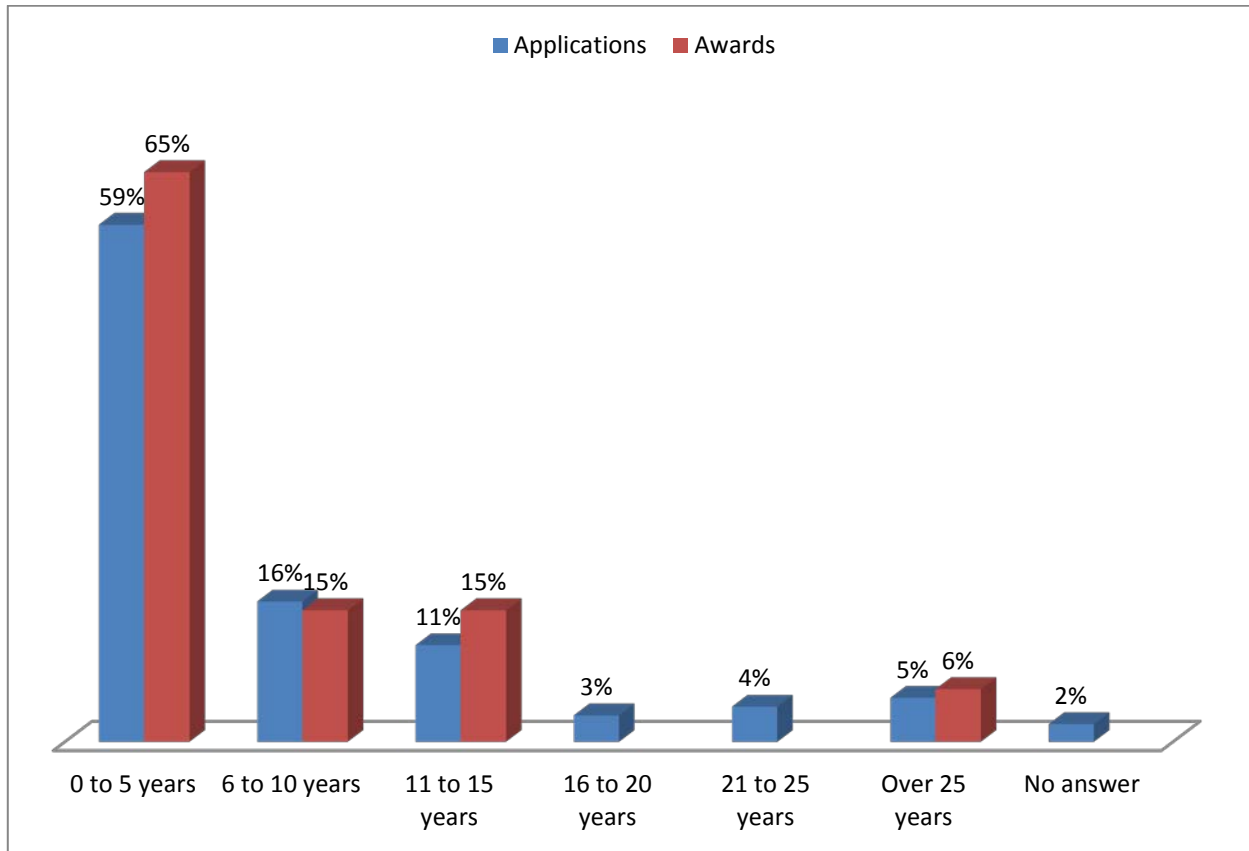
Field	No of applications	No of awards	Success rate
Arts & Humanities	33	9	27%
Social Sciences & Business	40	8	20%
Engineering & Technology	10	2	20%
Sciences	43	15	35%
<b>Total</b>	<b>126</b>	<b>34</b>	

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

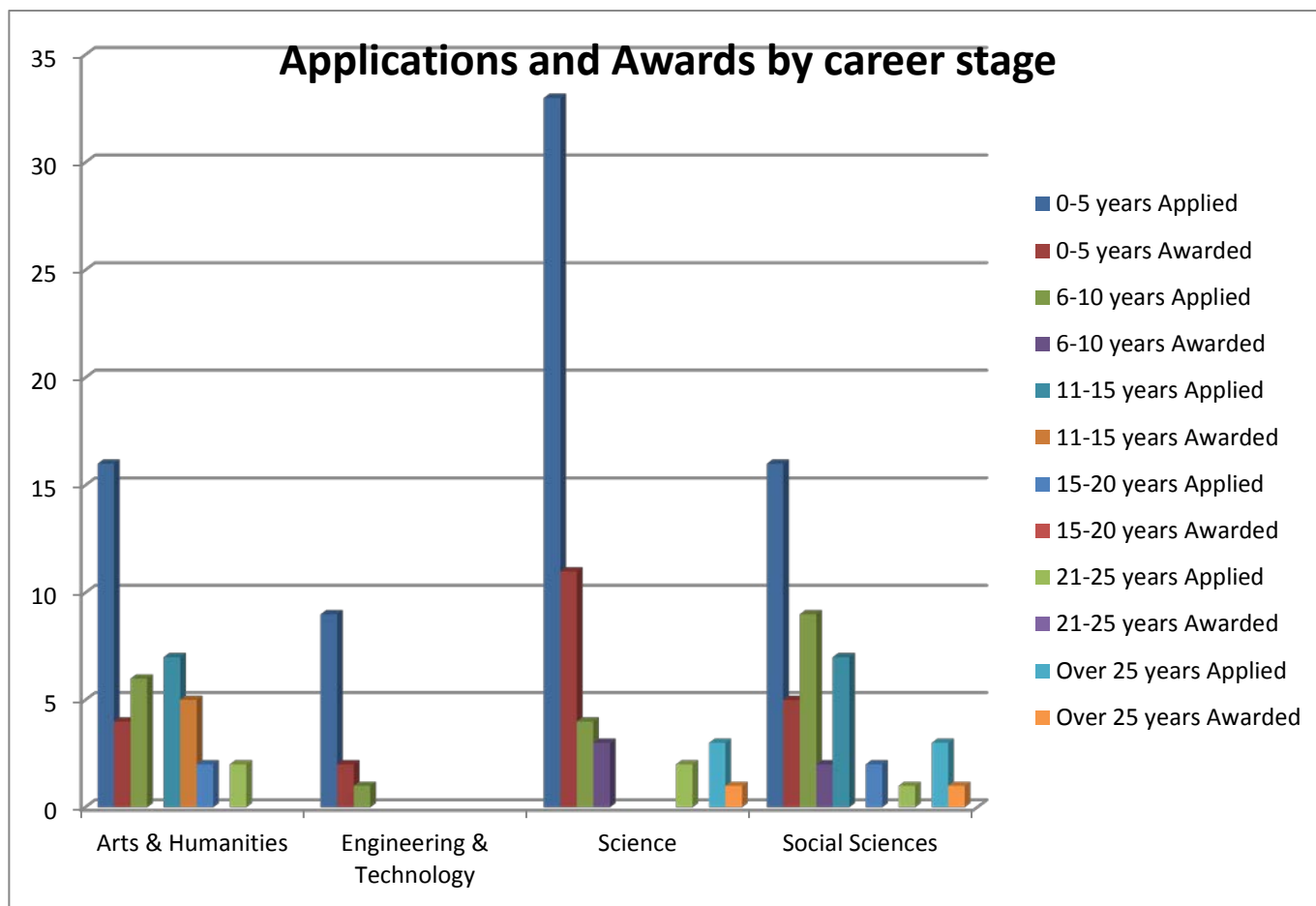


### 1.5.Success rate by career stage

75% of awards were made to applicants identified as early career researchers (0-5 years' experience). This group made up 59% of the applicants. Mid-career academics (6-20 years' experience) represented 30% of the applicants and received 30% of the awards. Academics with 21 years' experience or more represented 9% of the applicants and received 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:



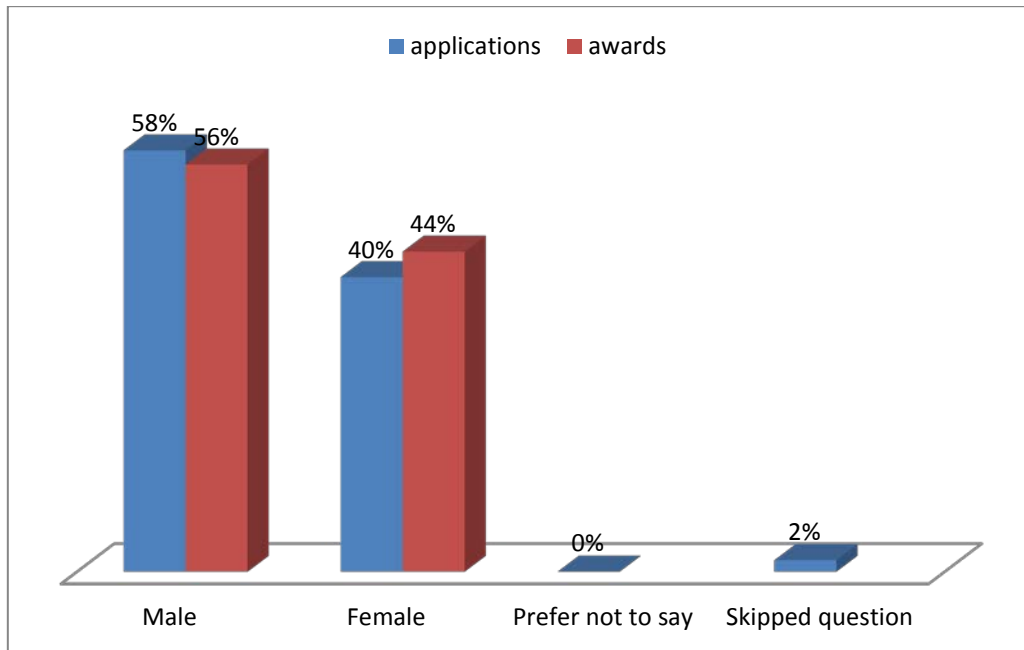
Career stage		Arts & Humanities	Engineering & Technology	Science	Social Sciences	Totals
0-5 years	Applied	16	9	33	16	<b>74</b>
	Awarded	4	2	11	5	<b>22</b>
6-10 years	Applied	6	1	4	9	<b>20</b>
	Awarded			3	2	<b>5</b>
11-15 years	Applied	7			7	<b>14</b>
	Awarded	5				<b>5</b>
15-20 years	Applied	2			2	<b>4</b>
	Awarded					
21-25 years	Applied	2		2	1	<b>5</b>
	Awarded					
Over 25 years	Applied			3	3	<b>6</b>
	Awarded			1	1	<b>2</b>
No answer	Applied			1	2	<b>3</b>
	Awarded					
Totals	Applied	33	10	43	40	<b>126</b>
	Awarded	9	2	15	8	<b>34</b>

<b>% awarded in this field</b>	26%	6%	44%	24%	<b>100%</b>
<b>Success rate</b>	27%	20%	35%	20%	<b>27%</b>

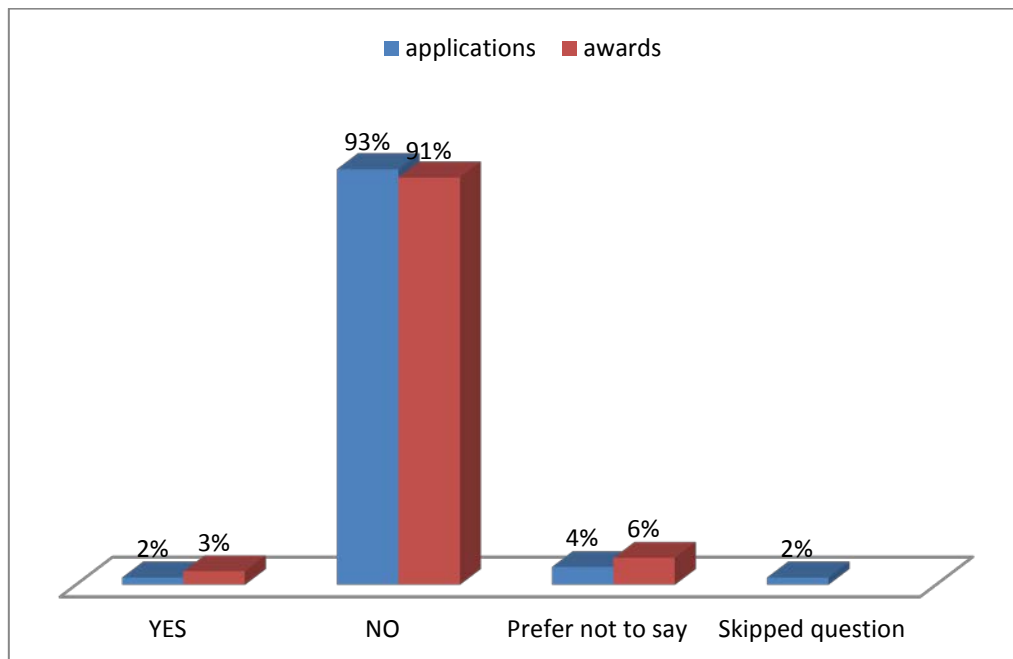
## 2. Equal opportunities

### 2.1. Gender

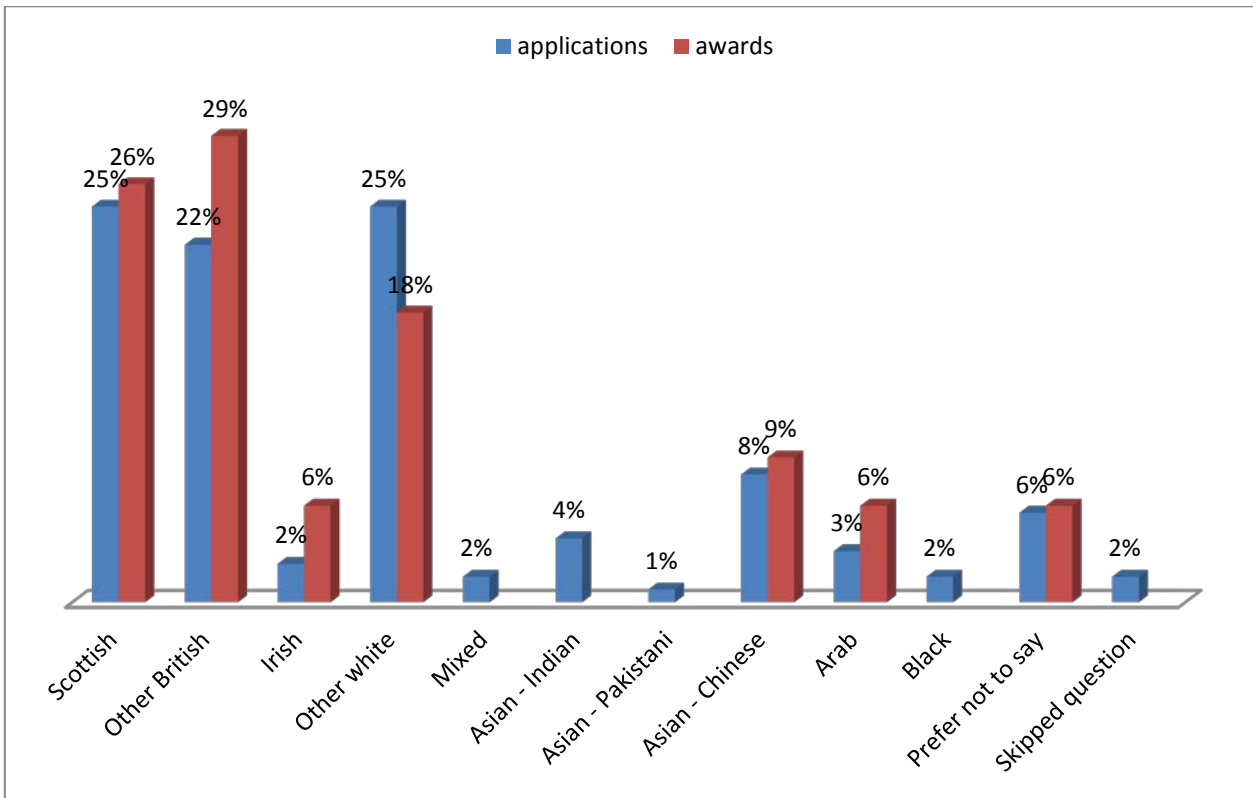
As shown in the chart below, about 57% of applicants and award-holders are men and 44% women.



### 2.2. Disability

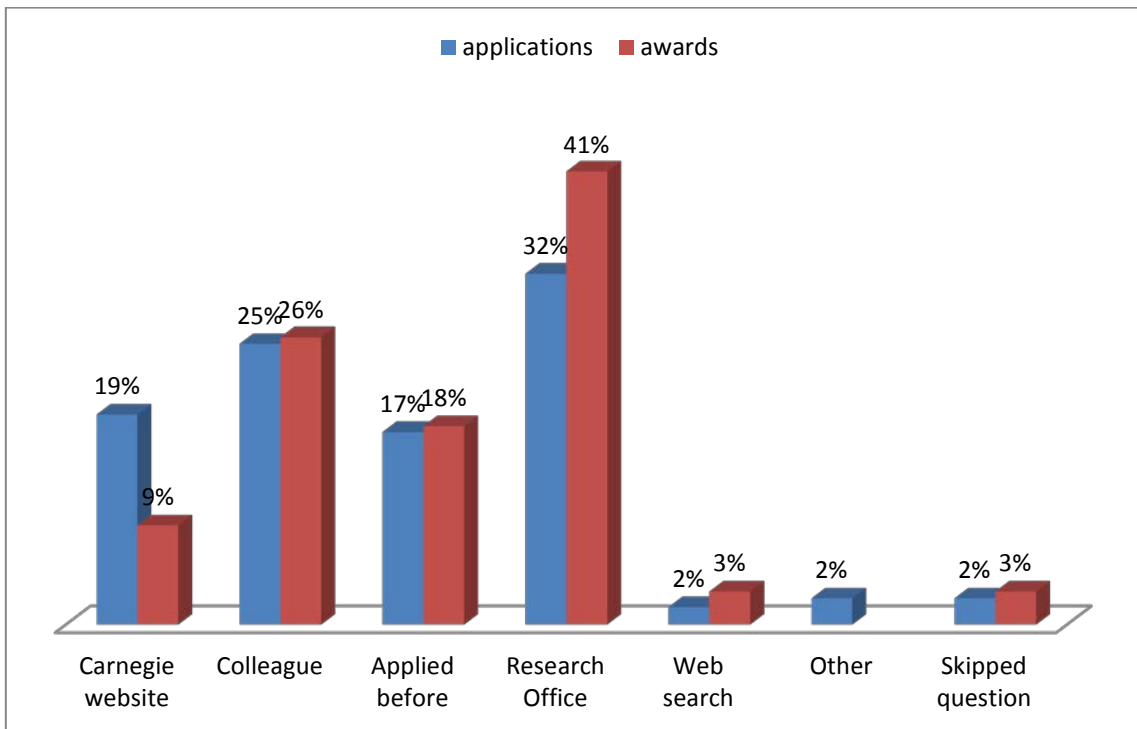


### 2.3.Ethnicity



### 3. Information about the scheme

Over one third of applicants and award-holders said they had heard about the RIGs from the Research Office at their university, about one quarter of them heard from a colleague, under 20% of them had applied before, and some found information on the Carnegie Trust website.



#### 4. List of award-holders

Title	Name	Surname	University	Job title	Title of project
Dr	Khaled	Ahmed	Aberdeen	Lecturer in Engineering	New Multi-MW High Power Density DC Transformer for Offshore Wind Farm
Dr	Jonathan	Blackwood	Robert Gordon	Lecturer in Critical and Contextual Studies	Contemporary Macedonian Artists Talking
Dr	Paul	Capewell	Glasgow	Research Associate	The potential use of synthetic HDL as a therapy for African trypanosomiasis
Dr	Alison	Cathcart	Strathclyde	Senior Lecturer in History	Archipelagic Insular Communities and the Early Modern British State
Dr	Susan	Chalmers	Strathclyde	Chancellor's Fellow	A neuroprotective diet? Imaging diet-induced mitochondrial and cellular perturbations in brain slice neurovascular junctions
Dr	David	Clarke	Edinburgh	Chancellor's Fellow in Chemistry	Native electron-capture dissociation mass spectrometry: a new tool for structural biology
Prof	Euan	Clarkson	Edinburgh	Emeritus Professor in Paleontology	The nervous system of trilobites, revealed by CT-scanning and X-radiography
Dr	Anne	Crilly	West of Scotland	Lecturer in Immunology	Investigation of protease activated receptor 2 (PAR2) in T regulatory cell development and effector function
Dr	Kirsty	Crocket	Highlands & Islands	Lecturer in Biogeochemistry and Earth Science	Groundtruthing rare earth element behaviour in cold water corals - pilot data acquisition
Dr	Lucy	Donaldson	St Andrews	Teaching Fellow in Film Studies	Feeling and Filmmaking: the contribution of audio-visual designers to the affect of film
Dr	Sarah	Edwards	Strathclyde	Senior Lecturer in English Studies	Diarists, Grocers and Teachers. The Many Lives of Dorothy Meads: Writing Early Twentieth-Century Women's Histories



Dr	Kathryn	Elmer	Glasgow	Lecturer	Environmental and genomic drivers of diversity in Scottish fishes of high natural heritage value
Dr	Noor	Gammoh	Edinburgh	Research Group Leader	Identification of Upstream Factors Regulating Autophagy in Disease
Dr	Claudia	Hopkins	Edinburgh	Lecturer of History of Art	The Islamic World in Nineteenth-Century Spanish Visual Culture
Dr	Isabella	Jackson	Aberdeen	Helen Bruce Lecturer in Modern East Asian History	A Scottish officer's personal encounter with China: Lord Saltoun's Opium War
Dr	Lazaros	Karaliotas	Glasgow	Research Assistant	Urban Political Movements in times of crisis and austerity: The case of Thessaloniki
Dr	Kristina	Konstantoni	Edinburgh	Lecturer in Childhood Studies	Creating transformative partnerships: doing participatory action research about young people's experiences of complex discrimination
Dr	Bing	Lang	Aberdeen	Senior Research Fellow in Medical Sciences	Relationship study between a novel gene, brain development and the risk of schizophrenia
Dr	Andrew	Manches	Edinburgh	Chancellor's Fellow in Education	The Role of Embodied Cognition in Computing Education
Dr	Ryan	McWilliams	Edinburgh	Chancellor's Fellow	Measuring flow and viscosity at extreme pressure and temperature
Dr	Charles	Orzech	Glasgow	Reader in Religion, Conflict, and Transition	World Religions Museums: Objects, Narratives, Ideologies, and the Construction of Community
Dr	Michael	Penman	Stirling	Senior Lecturer in Scottish History	The Scots and the Cult of Thomas Becket, c.1170-c.1560 [Part 2]
Dr	Francisco	Perez-Reche	Aberdeen	Lecturer	Mathematical modelling of fatigue in amorphous metals

Dr	David	Pritchard	Strathclyde	Lecturer	Setting fire to soil: modelling smouldering remediation to evaluate its effects on soil properties
Dr	Gilbert	Ramsay	St Andrews	Lecturer in IR	Impacts of Perceived Surveillance on Contemporary British Activism
Dr	Felix	Schaeffler	Queen Margaret	Lecturer	Mobile voice monitoring for occupational voice users
Dr	Fraser	Scott	Strathclyde	Research Associate in Chemistry	Investigating the Natural Product Disgocidine as the Basis for Novel Therapeutic Agents
Dr	Rebecca	Sweetman	St Andrews	Reader in Classics	The Late Antique Cyclades: Landscapes, Networks and Christianization
Dr	Dave	Townsend	Heriot-Watt	Reader in Physics	Aerodynamically Improved Molecular Beam Seeding Source (AIMBSS) for Interrogation of Molecular Electronics Using Time-Resolved Spectroscopy
Dr	Mario	Vallejo-Marin	Stirling	Senior Lecturer	Importance of phenotypic and ecological novelty in speciation by whole-genome duplication
Dr	Sophie	Vlacos	Glasgow	University Teacher in Post-1900 Literature	An Analysis of Gesture in Literary German Expressionism
Dr	Xiaodong	Wang	Aberdeen	Lecturer in Engineering	Cofactor NADH Regeneration by Heterogeneous Catalysts
Dr	Marisa	Wilson	Edinburgh	Chancellor's Fellow and Lecturer	New Directions in Obesity Research: The Social Lives of Commodities Approach
Dr	Yuefang	Zhou	St Andrews	University Fellow	Embodying Emotion and Empathy - exploring an experimental approach in healthcare communication research