

Summary report on the first round of Research Incentive Grants

December 2014
PMK

1. Submissions, number of awards and success rate

1.1. Summary data

- 151 applications were submitted
- 6 applications were not eligible
- 2 applications were withdrawn by the applicants
- 39 awards were made, of which 21 were in Arts, Humanities or Social Science and 18 in Science, Technology and Engineering
- The total amount awarded was £238,122 and the average award value £6,106.

1.2. Peer review process

Over 215 Carnegie Research Assessors were involved in the review process. 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 proposals:

Committee A: Arts, Humanities & Social Sciences, chaired by Prof. Chris Whatley (Dundee), and including

Prof. Nic Beech (Dundee), Dr Enda Delaney (Edinburgh), Prof. Cam Donaldson (GCU), Prof. Richard Edwards (Stirling), Prof. Christian Haerpfer (Aberdeen), Prof. Faye Hammill (Strathclyde), Dr Anja Lowit (Strathclyde), Prof. Malcolm MacLeod (St Andrews), Rev. Prof. Oliver O'Donovan (Edinburgh), Dr Guillaume Rousselet (Glasgow), Prof. Adrienne Scullion (Glasgow), Prof. John Struthers (UWS), Prof. Kay Tisdall (Edinburgh), Dr Richard Ward (Stirling), Dr Moray Watson (Aberdeen). Supported by Prof. Andy Walker and Dr Patricia Krus (CTUS)

Committee B: Science, Engineering and Technology, chaired by Prof. Neil Bulleid (Glasgow), and including:

Prof. Rory Duncan (Heriot-Watt), Prof. Helen Grant (Strathclyde), Prof. Jane Hillston (Edinburgh), Prof. Marcel Jaspars (Aberdeen), Prof. Martin McCoustra (Heriot-Watt), Prof. Andrew Miller (former Secretary, Carnegie Trust), Dr Carmel Moran (Edinburgh), Prof. Wilfred Otten (Abertay), Dr Tony Prave (St Andrews), Dr Brice Rea (Aberdeen), Prof. Frank Sargent (Dundee), Prof. Fin Stuart (Glasgow). Supported by Prof. Andy Walker and Dr Patricia Krus (CTUS)

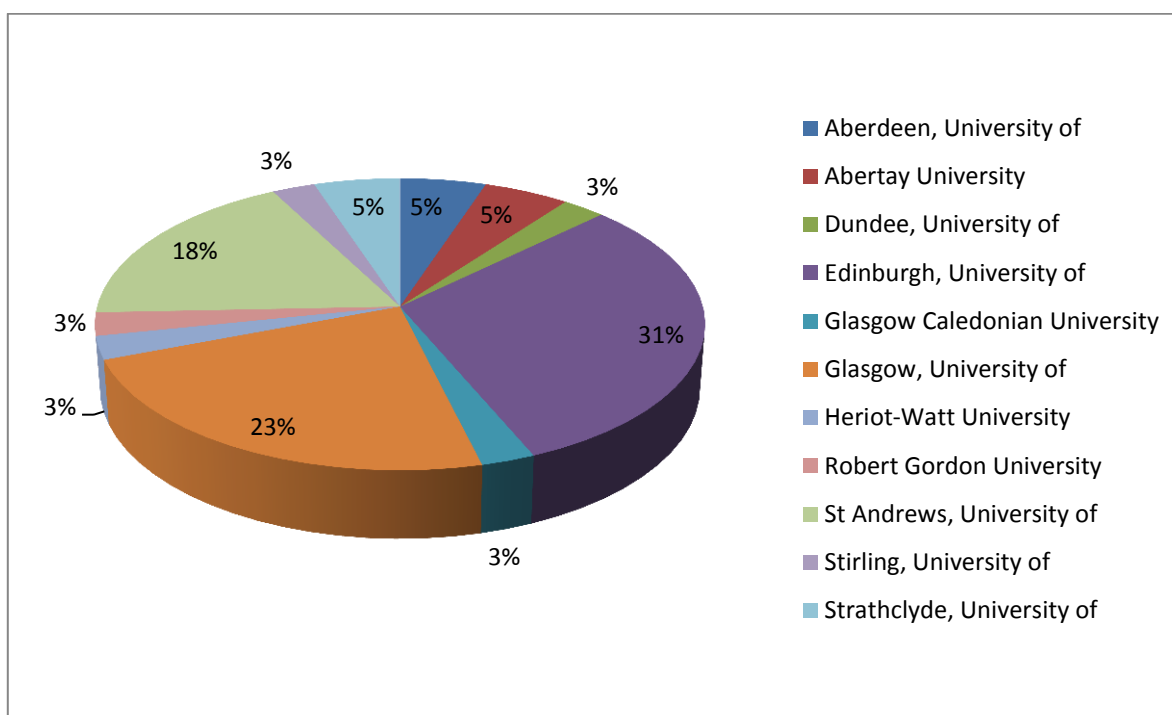
¹ More details on the assessment process and criteria can be found on the Trust's website: <http://www.carnegie-trust.org/schemes/research-schemes/review-process.html>

1.3.Success rate

The overall success rate was 27%. The table shows the **success rate by the university** of the lead applicant.

University	No of applications	No of awards	Success rate
Aberdeen, University of	13	2	15%
Abertay University	5	2	40%
Dundee, University of	8	1	13%
Edinburgh Napier University	1	0	0%
Edinburgh, University of	38	12	32%
Glasgow Caledonian University	1	1	100%
Glasgow, University of	26	9	35%
Heriot-Watt University	2	1	50%
Highlands & Islands, University of	3	0	0%
Queen Margaret University	3	0	0%
Robert Gordon University	6	1	17%
St Andrews, University of	14	7	50%
Stirling, University of	9	1	11%
Strathclyde, University of	7	2	29%
West of Scotland, University of the	7	0	0%
Total	143	39	

The pie chart below shows the **proportion of awards** by university.

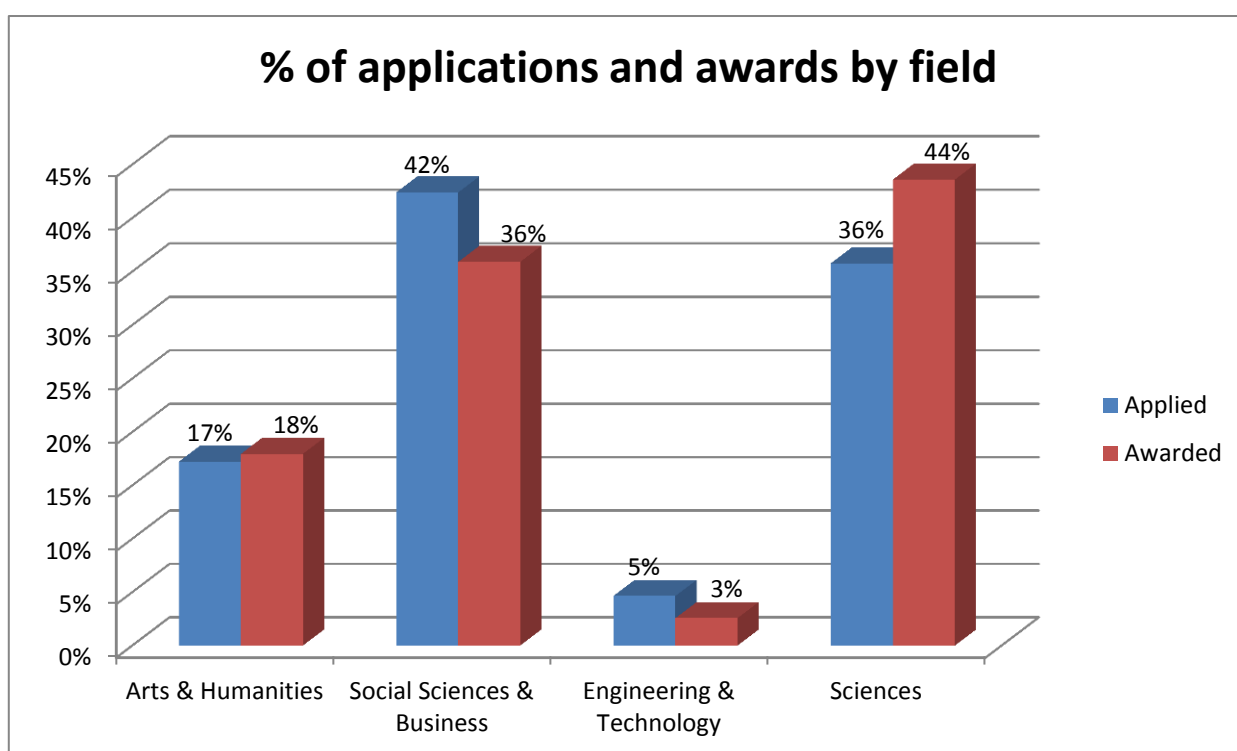


1.4. Success rate by field

The highest number of applications (64) were in the Social Sciences, including Economics, Finance, Business and Marketing. 54 proposals were in the Sciences (biological sciences, biomedical sciences, chemistry, etc.).

Field	No of applications	No of awards	Success rate by field
Arts & Humanities	26	7	27%
Social Sciences & Business	64	14	22%
Engineering & Technology	7	1	14%
Sciences	54	17	31%
Total	151	39	

The following chart shows the percentage of applications and awards made by field of research.

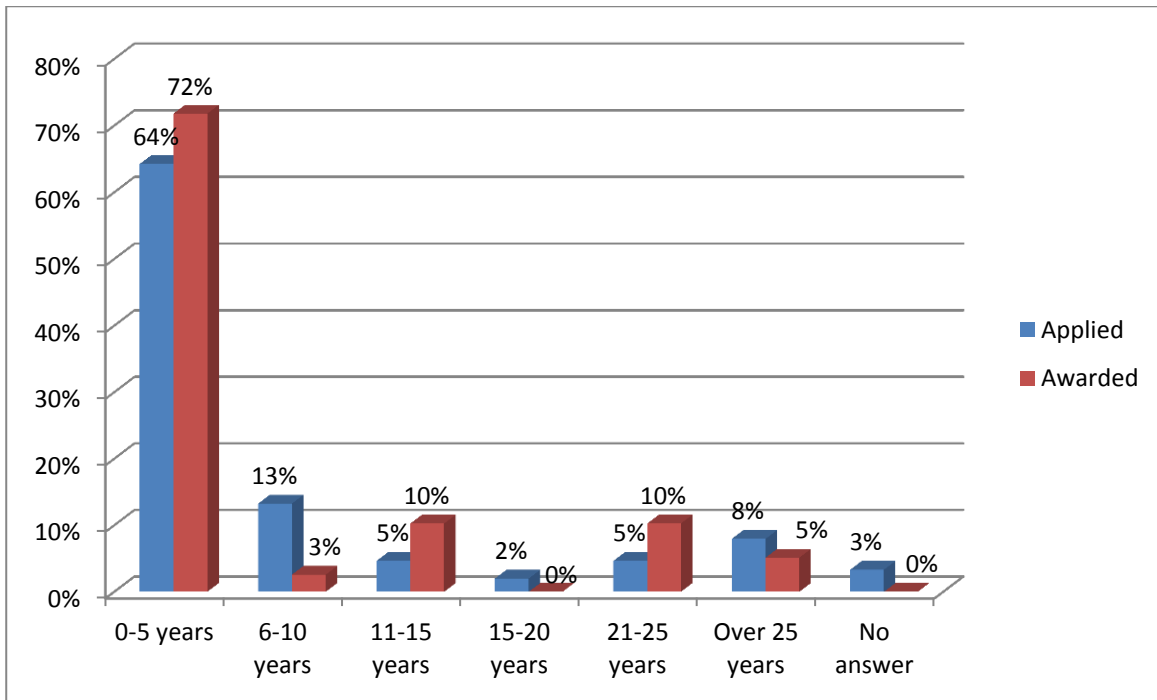


1.5. Success rate by career stage

Taking into account the applicants' career stage, 72% were made to applicants in the early stages of their academic career.

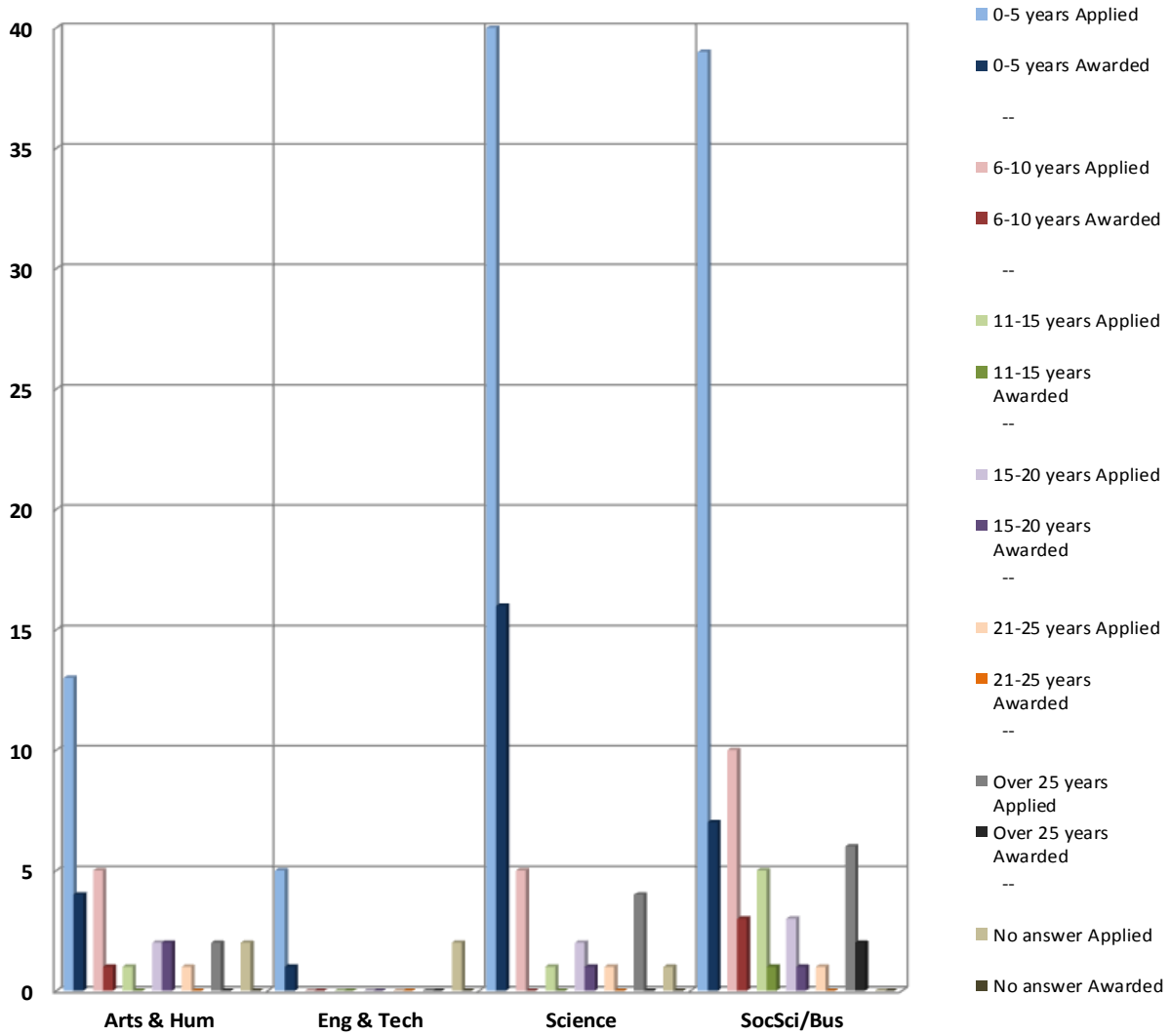
Mid-career academics represented 5% of applicants and received 10% of the awards.

Academics with 21 years or more of experience represented 13% of applicants and received 15% of the awards.



Looking at both the field of research and the career stage, the majority of applicants and awardholders in the Sciences are in the early stages of their career in contrast to other fields, as shown in the following table:

Numbers in each age category

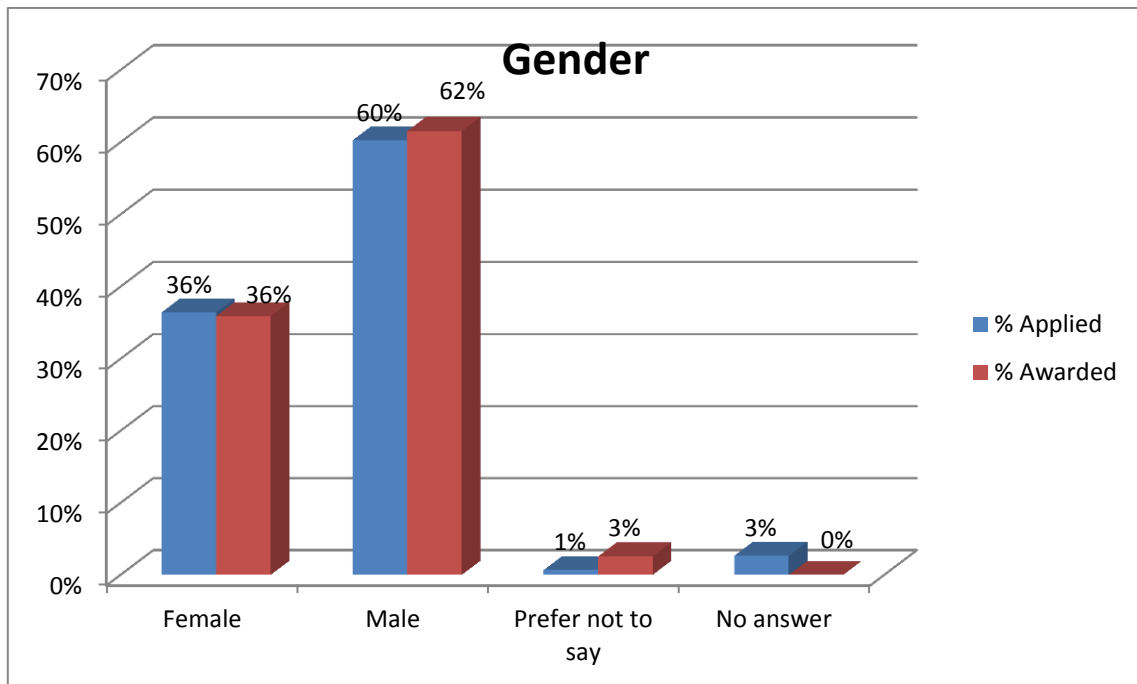


Career stage		Arts & Hum	Eng & Tech	Science	SocSci/Bus	Totals
0-5 years	Applied	13	5	40	39	97
	Awarded	4	1	16	7	28
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6-10 years	Applied	5	0	5	10	20
	Awarded	1	0	0	3	4
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11-15 years	Applied	1	0	1	5	7
	Awarded	0	0	0	1	1
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15-20 years	Applied	2	0	2	3	7
	Awarded	2	0	1	1	4
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21-25 years	Applied	1	0	1	1	3
	Awarded	0	0	0	0	0
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Over 25 years	Applied	2	0	4	6	12
	Awarded	0	0	0	2	2
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No answer	Applied	2	2	1	0	5
	Awarded	0	0	0	0	0
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Totals	Applied	26	7	54	64	151
	Awarded	7	1	17	14	39
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% awarded in this subject		17.9%	2.6%	43.6%	35.9%	100.0%
Success rate		26.9%	14.3%	31.5%	21.9%	25.8%

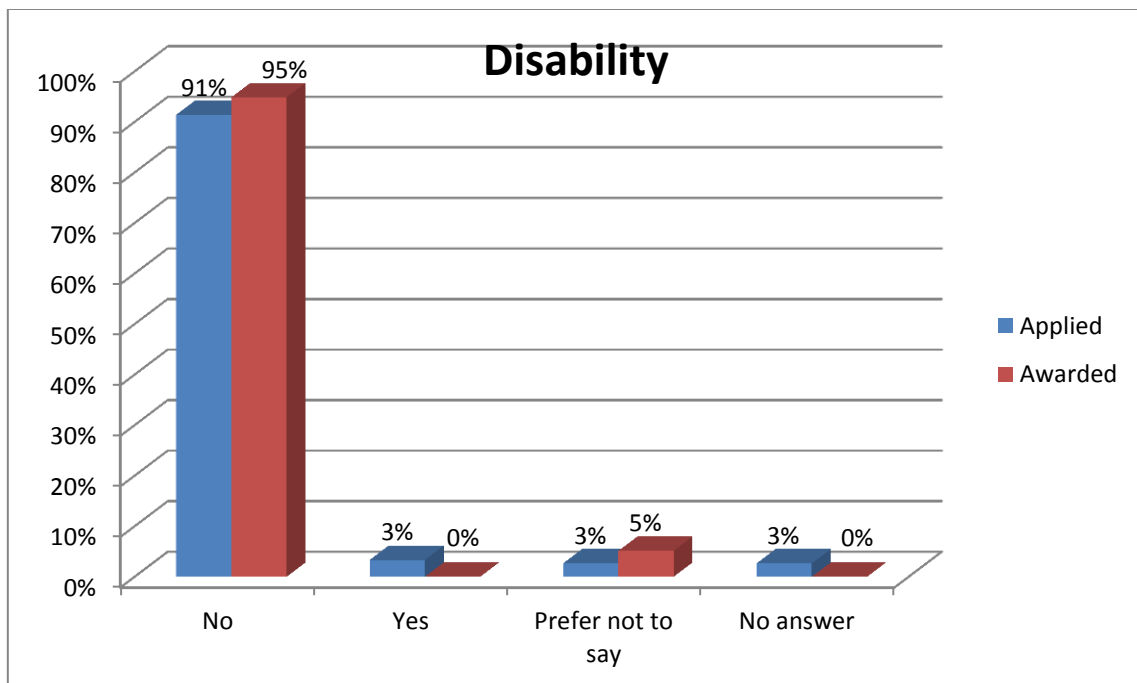
2. Equal opportunities

2.1. Gender

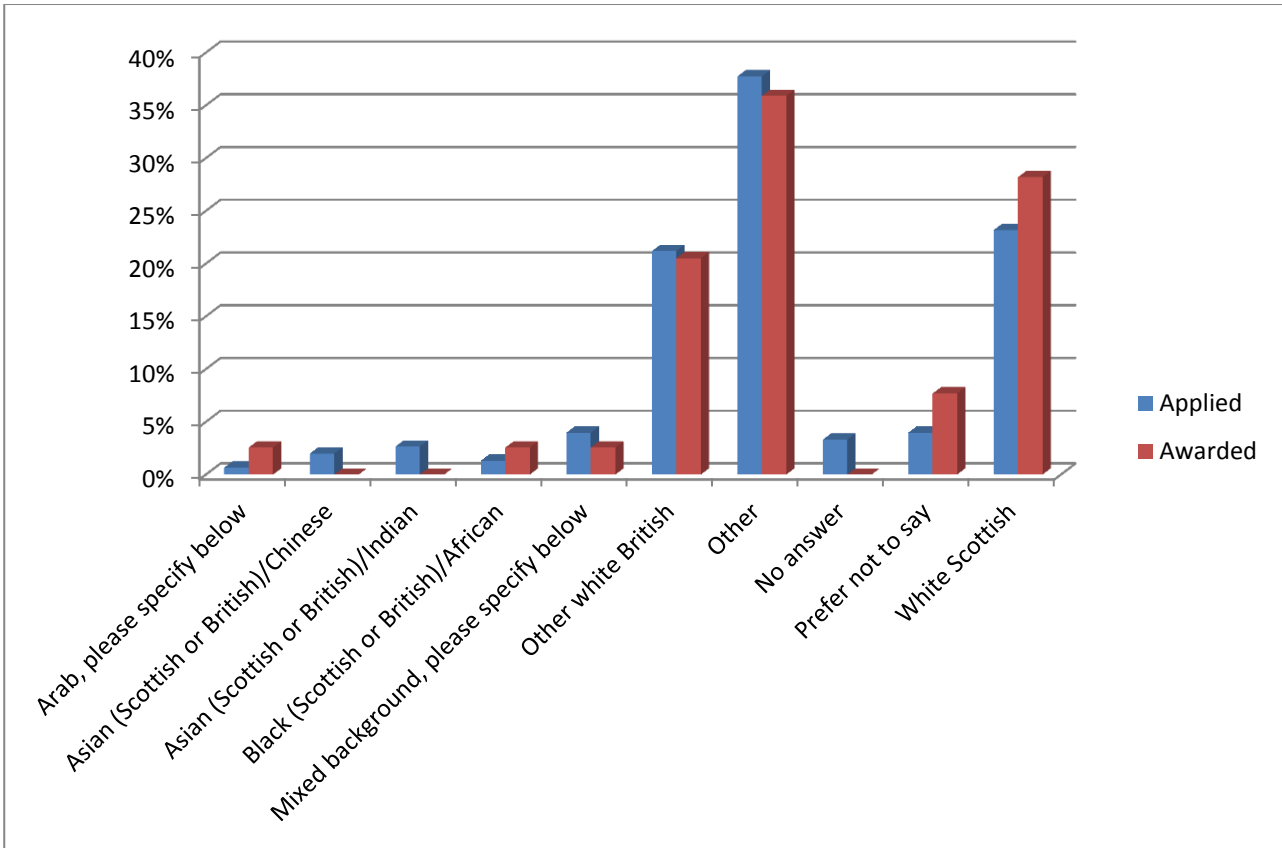
As shown in the chart below, about 60% of applicants and awardholders are men and 36% female.



2.2. Disability

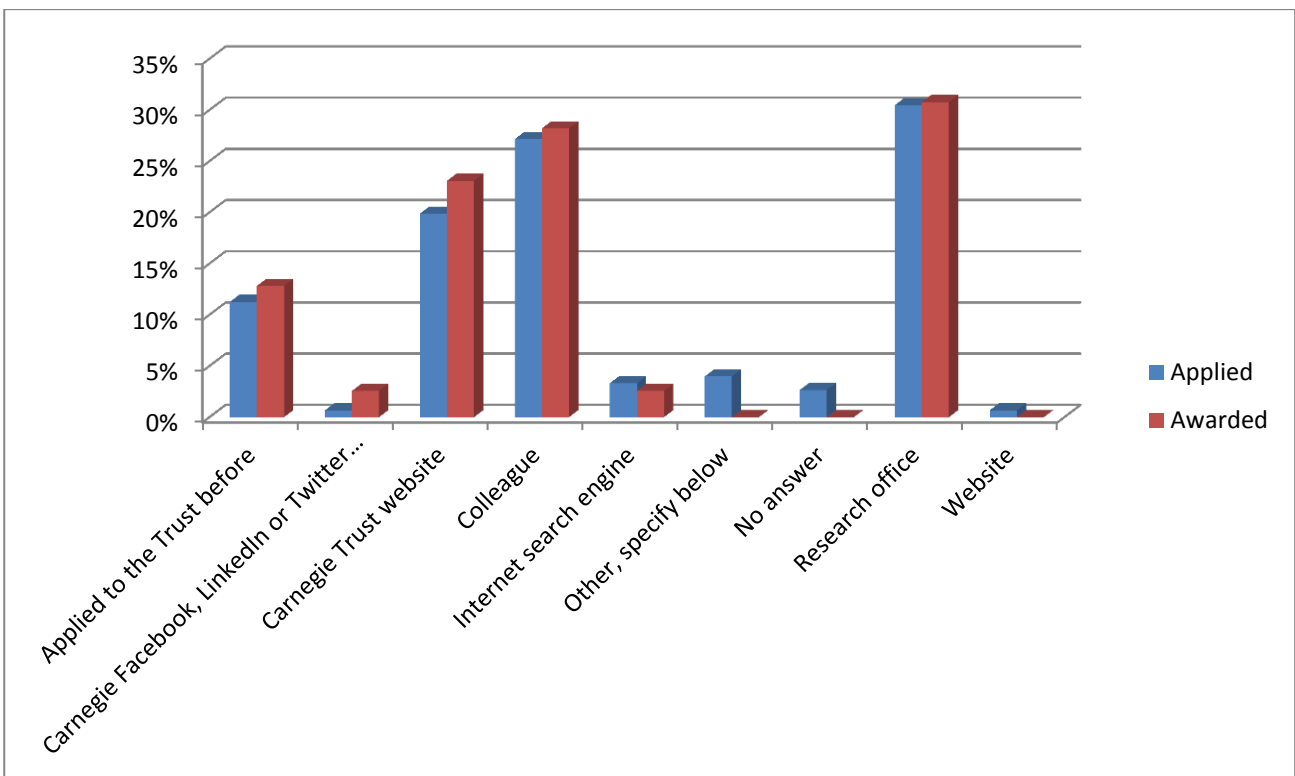


2.3. Ethnicity



3. Information about the scheme

Asked where they had heard about the scheme, a third of applicants mentioned the Research Office at their university, followed by a colleague and the Carnegie Trust website.



4. List of awardholders

Prefix	First name	Surname	Job title	University	Project title
Dr	Melissa	Andrews	Lecturer of Anatomy	St Andrews	Autophagic Mechanisms in Peripheral Nerve Repair
Dr	Andrew	Bell	Chancellor's Fellow of Geosciences	Edinburgh	Real-time forecasts of eruptions at Tungurahua volcano, Ecuador
Dr	Bela	Bode	EaStCHEM Hirst Academic Fellow	St Andrews	Limitations of Tikhonov regularisation in analysis of pulse EPR distance measurements
Dr	Heidi	Burdett	MASTS Research Fellow	St Andrews	Past, present, future: environmental tolerance of Maldivian corals, and impact on the nation's natural capital
Dr	Emile	Chabal	Chancellor's Fellow in History	Edinburgh	An intellectual biography of Eric Hobsbawm
Dr	Nicolas	Chevalier	Chancellor's Fellow in Psychology	Edinburgh	Supporting self-regulation through cooperation in early childhood
Dr	James	Cobley	Lecturer	Abertay	Role of reactive oxygen and nitrogen species in denervation-reinnervation cycling: implications for neuromuscular ageing
Dr	Emma	Cunningham	Senior Lecturer of Biological Science	Edinburgh	The impact of avian paramyxovirus in wild birds and implications for cross species disease transmission
Dr	Alan	Cuthbertson	Associate Professor	Heriot-Watt	Development of an Electrical Resistivity Technique to Characterise Estuarine Sediment Deposits
Dr	Marilyn	Dunn	Senior Lecturer in History	Glasgow	Ex-voto: A Cognitive History
Dr	Josie	Geris	Lecturer in Hydrology	Aberdeen	Integrated approaches to assess multiscale water sources, flow paths and residence times in changing landscapes
Dr	Andrew	Glencross	Lecturer in Politics	Stirling	The European "Neverendum": Lessons for 2015 from the 1975 EEC Referendum
Dr	Lorens	Holm	Reader in Architecture	Dundee	The city as thinking machine: The city in evolution
Dr	Olof	Johansson	Royal Society of Edinburgh / BP Trust Research Fellow	Edinburgh	Laser control of novel magnetic materials at the nanoscale
Dr	Euan	Kay	Royal Society of Edinburgh / Scottish Government Fellow in Chemistry	St Andrews	Self-Assembled Satellite Structures: Towards a General Approach for Colloidal Nanocatalysts
Dr	James	Kirby	Lecturer in Phonetics	Edinburgh	The University of Edinburgh Phonetics Recording Archive: Analysing Two Decades of Edinburgh Speech
Dr	Hong (Frank)	Liu	Senior Lecturer in Banking and Finance	Glasgow	Why Private Firms Issue Public Debt Without Going Public

Dr	Alexander	Lorenz	Lecturer in Molecular Cell Biology	Aberdeen	Immediate visualization of meiotic recombination events in <i>Schizosaccharomyces pombe</i>
Dr	Pauline	Mackay	Lecturer in Robert Burns Studies	Glasgow	Eighteenth-Century Scottish Bawdry and Erotica
Dr	Megan	Macleod	Research Fellow	Glasgow	Epigenetic basis of immunological memory
Dr	John	Mason	Reader at the Centre for Integrative Physiology (CIP)	Edinburgh	Embryonic stem cells as tools to study forebrain development
Dr	Jaremey	McMullin	Senior Lecturer in International Relations	St Andrews	Worlds Apart? Coming Home from War in America and Liberia
Dr	Michal	Michalowski	Postdoctoral Fellow in Astronomy	Edinburgh	Investigating suspects for making the Universe dusty
Dr	David	O'Donnell	SUPA Advanced Fellow	Glasgow	An electron detector for tagged photons at Alpha-X and SCAPA
Dr	Kevin	Parsons	Lecturer	Glasgow	Does climate change limit evolutionary potential? Examining the impact of increased temperature on bone development
Dr	Wasiu	Popoola	Lecturer in Electronic and Instrumentation Engineering	Glasgow Caledonian	A pilot study of visible light communication and illumination quality
Professor	Barry	Rodger	Professor of Law	Strathclyde	A Review and Analysis of the application of EU Law by the Scottish Courts
Dr	Michael	Rosie	Senior Lecturer in Sociology	Edinburgh	Scottish loyalism in crisis? Inside the provincial grand black chapter
Dr	Lucy	Rowland	Post-Doctoral Research Assistant	Edinburgh	Linking root water uptake and water use efficiency to tropical tree mortality risk during drought
Dr	Valerie	Sheach-Leith	Lecturer in Sociology	Robert Gordon	Mothers and infants: investigating perceptions of body weight in the first nine months through photo-elicitation
Dr	Fionnùala	Sinclair	Lecturer in Medieval Studies	Edinburgh	Blood, Territory and Identity : Occitan Literature and the Albigensian Crusade
Dr	Timothy	Stojanovic	Lecturer in Geography and Sustainable Development	St Andrews	Seascape Characterisation: foundations for a multidisciplinary approach
Professor	Jane	Stuart-Smith	Professor of Phonetics and Sociolinguistics	Glasgow	How stable is the standard? A real-time study of Scottish Standard English
Dr	William	Tooman	Senior Lecturer in Hebrew Bible	St Andrews	Standards of In/Coherence in Ancient Jewish Literature
Ms	Nina	Vaswani	Research Fellow	Strathclyde	Exploring the nature and experience of loss among young people with offending behaviours who are in care

Dr	Christopher	Watkins	Lecturer in Psychology	Abertay	What makes a face memorable? Environmental and circumstantial factors and their relevance to human partnerships
Dr	James	Wilson	Senior Lecturer of Management	Glasgow	Management of the Venice Arsenale
Dr	Sophia	Woodman	Chancellor's Fellow in Sociology	Edinburgh	Climbing the mobility ladder: hierarchies of place and practices of mobile citizenship in China today
Dr	Saeko	Yazaki	Lord Kelvin & Adam Smith Fellow in Theology and Religious Studies	Glasgow	Dismantling the East-West dichotomy? - the development of trans-traditional teaching of Sufism and Zen in Britain