

# Carnegie Trust for the Universities of Scotland

## Summary report: Carnegie/Caledonian/Henry Dryerre PhD Scholarships Round: 2021

The closing date for submission under this scheme was 28 February.

### Summary data

- 63 nominations were received.
- 39 nominations were shortlisted (with two candidates subsequently withdrawing).
- 13 Carnegie Scholarships, one Caledonian Research Foundation Scholarship and the Henry Dryerre Scholarship have been offered and accepted (in total 17 offers were extended with 2 declined, these were subsequently offered and accepted by the first two reserve candidates)

### Adviser Review Process

The applications were allocated to 66 specialist Advisers located throughout the rest of the UK. The Advisers provided reports and scores on the basis of the following specified criteria:

- Academic ability and research potential
- Project originality, significance and feasibility
- Fit between the candidate, project and research environment
- Overall quality

### Shortlisting Stage

On the basis of the comments and scores received from the Advisers, 39 of the 63 nominations were shortlisted. It should be noted that, due to factors outside of the Trust's control, Adviser reviews were not received for the three applications in the field of Computer Science. So as not to disadvantage these three candidates their applications were included on the shortlist.

The shortlisted applications were sent to a Selection Committee consisting of:

Professor Sarah Armstrong, University of Glasgow  
Professor Douglas Neil, University of Glasgow  
Professor Faye Hammill, University of Glasgow  
Professor Ruth King, University of Edinburgh  
Professor Emma Sutton, University of St Andrews  
Professor Madeleine Grealy, University of Strathclyde  
Professor Daniela Sime, University of Strathclyde  
Professor Mary Orr, University of St Andrews  
Professor Alex Martha Zoya Slawin, University of St Andrews  
Professor John Roulston, CEO, Scimus Solutions Ltd  
Professor Holger Nehring, University of Stirling  
Professor George Coghill, University of Aberdeen  
Professor Inke Nathke, University of Dundee  
Professor Andrew Walker, CTUS and Heriot-Watt University  
Dr Alison Fielding, CTUS Trustee

(Dr Patricia Krus, CTUS and Dr John Thompson, CTUS in attendance).

The Selection Committee met remotely on 11th May at the conclusion of which 15 candidates were selected to receive an offer of a PhD Scholarship (13 Carnegie, and on behalf of The Royal Society of Edinburgh, a single

Caledonian Research Foundation (CRF) and the Henry Dryerre) a list of five reserve candidates was also designated.

It should be noted that three committee members stood down after the conclusion of the 2020 round; Prof Paul Hagan and Prof Maggie Cusack after accepting new roles outside of Scotland while Prof Claire Wallace (University of Aberdeen) concluded her period of tenure. Prof Hagan joined the University of Hull as Dean of the Faculty of Health Sciences, while Prof Cusack departed Glasgow to take the helm of Munster Technological University. When seeking potential replacements, it was determined that it would be beneficial to also increase the size of the committee, both to expand the expertise available and reduce the individual review load. Consequently, seven new members were appointed to the committee in 2021.

## Statistics

The following tables show the breakdown by field, age, gender and university of tenure for the initial nominations and the fate of the applications.

The shortlisted nominations were dominated by candidates from the arts and humanities who accounted for 38% (15 of the 39) shortlisted applications. The remaining 17 were split as follows; physical sciences (10), biological sciences (9), social sciences (5), the latter category again faring poorly in comparison to the others, both in terms of nominations and shortlisting. The division of nominations by field has remained virtually unchanged compared to last year's round.

Field	Nominations	Accepted	Shortlisted (Rejected)	Not Shortlisted	Declined or Withdrawn
Arts & Humanities	23	4	8	8	3
Biological Sciences	12	4	5	3	0
Physical Sciences	17	6	4	7	0
Social Sciences	11	1	3	6	1
<b>Grand Total</b>	<b>63</b>	<b>15</b>	<b>20</b>	<b>24</b>	<b>4</b>

While 78% of candidates were aged between 20 and 29, only 73% of scholars fell in this range.

Applicant Age	Nominations	Accepted	Shortlisted (Rejected)	Not Shortlisted	Declined or Withdrawn
20-24	34	9	11	12	2
25-29	15	2	6	5	2
30-34	8	3	1	4	0
35-39	4	1	2	1	0
40-44	1	0	0	1	0
45-49	0	0	0	0	0
50-54	0	0	0	0	0
55-59	0	0	0	0	0
60-64	1	0	0	1	0
<b>Grand total</b>	<b>63</b>	<b>15</b>	<b>20</b>	<b>24</b>	<b>4</b>

Of the 63 nominations 59% originated from female candidates and this proportion remained unchanged at the shortlist stage.

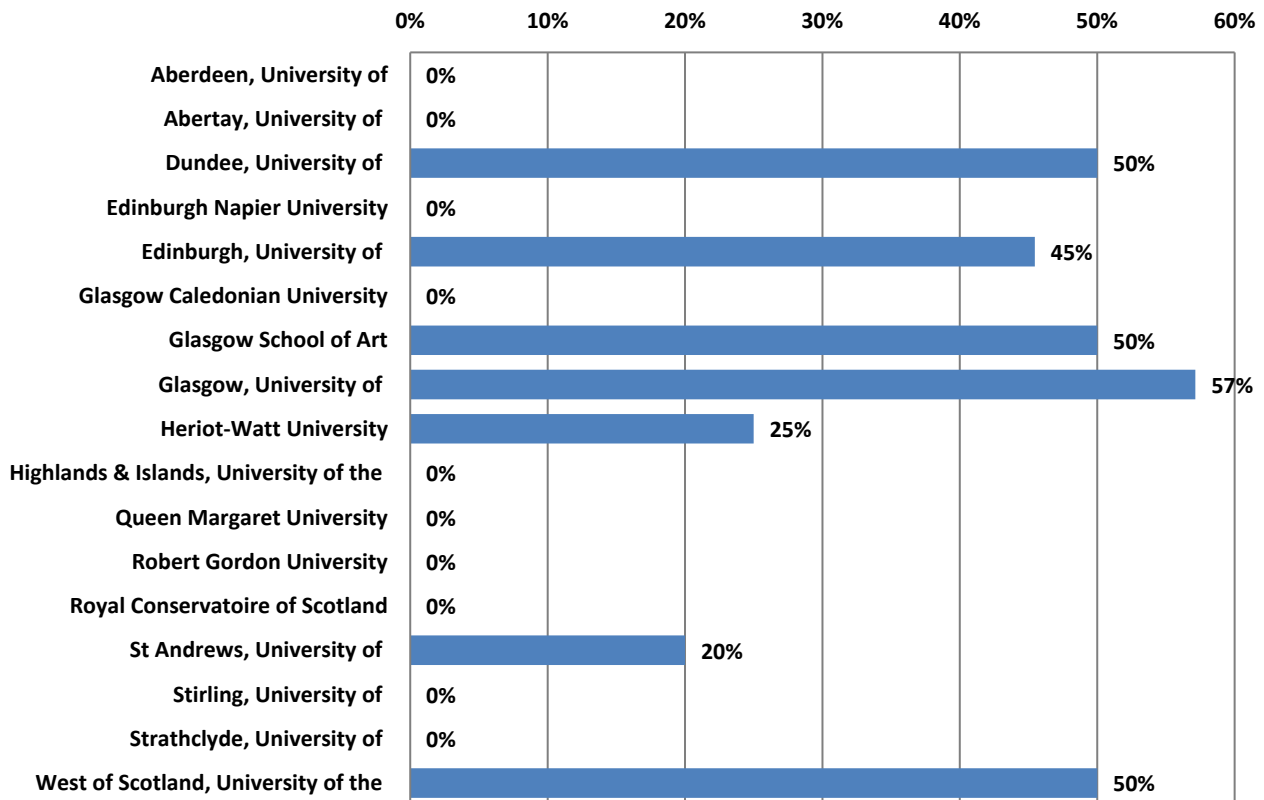
Gender	Nominations	Accepted	Shortlisted (Rejected)	Not Shortlisted	Declined or Withdrawn
Female	37	8	11	14	4
Male	24	6	8	10	0
Other	2	1	1	0	0
<b>Grand total</b>	<b>63</b>	<b>15</b>	<b>20</b>	<b>24</b>	<b>4</b>

Of the 17 eligible institutions, 16 saw at least a single candidate shortlisted. The table below displays figures for the number of candidates shortlisted and the scholarships accepted. Two of the initial offers, made to applicants nominated by Edinburgh Napier University and University of Edinburgh, were declined due to the candidates opting to accept other opportunities consequently these scholarships were offered to the top two reserve candidates, based at Heriot-Watt University and University of Edinburgh.

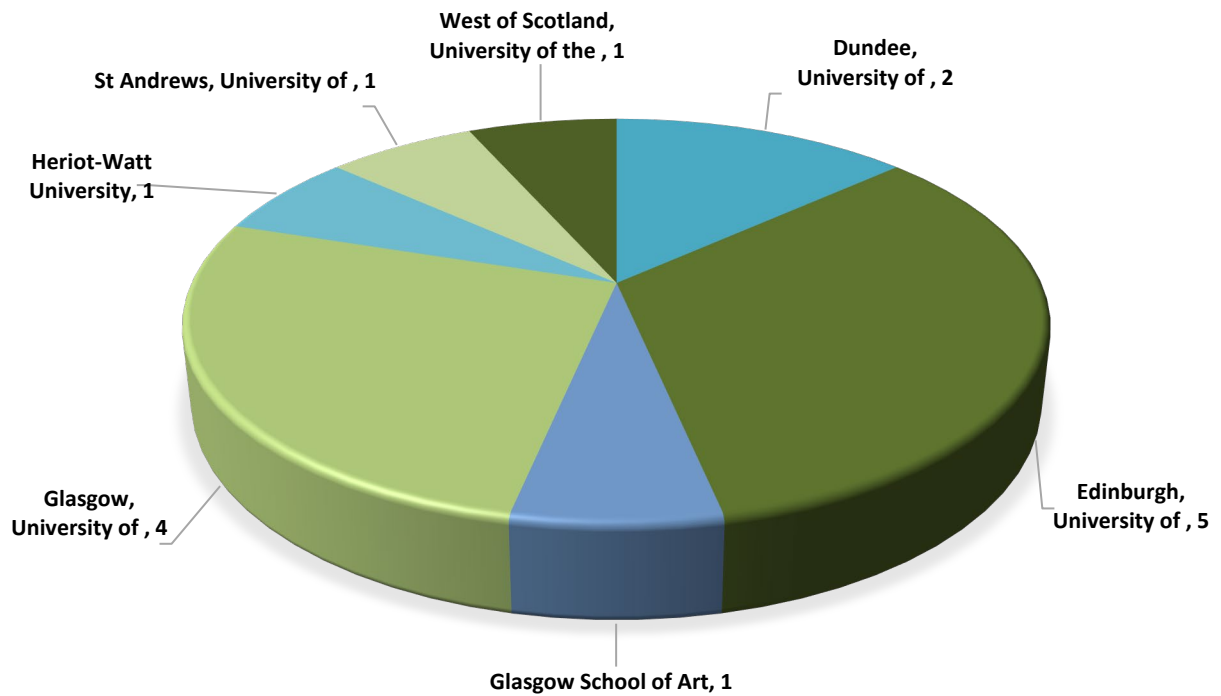
University	Nominations	Accepted	Shortlisted (Rejected)	Not Shortlisted	Declined or Withdrawn
Aberdeen, University of	5	0	1	3	1
Abertay, University of	2	0	0	2	0
Dundee, University of	4	2	1	1	0
Edinburgh Napier University	3	0	0	2	1
Edinburgh, University of	11	5	4	1	1
Glasgow Caledonian University	3	0	1	2	0
Glasgow School of Art	2	1	0	1	0
Glasgow, University of	7	4	2	1	0
Heriot-Watt University	4	1	1	2	0
Highlands & Islands, University of the	2	0	1	0	1
Queen Margaret University	2	0	1	1	0
Robert Gordon University	2	0	1	1	0
Royal Conservatoire of Scotland	1	0	1	0	0
St Andrews, University of	5	1	1	3	0
Stirling, University of	3	0	1	2	0
Strathclyde, University of	5	0	3	2	0
West of Scotland, University of the	2	1	1	0	0
<b>Grand total</b>	<b>63</b>	<b>15</b>	<b>20</b>	<b>24</b>	<b>4</b>

The Trust has awarded 15 scholarships to commence in October 2021, 13 Carnegie, and on behalf of The Royal Society of Edinburgh, one Caledonian Research Foundation (CRF) and one Henry Dryerre. (Award details provided in Annex 1).

**Success Rate by Nominating University**

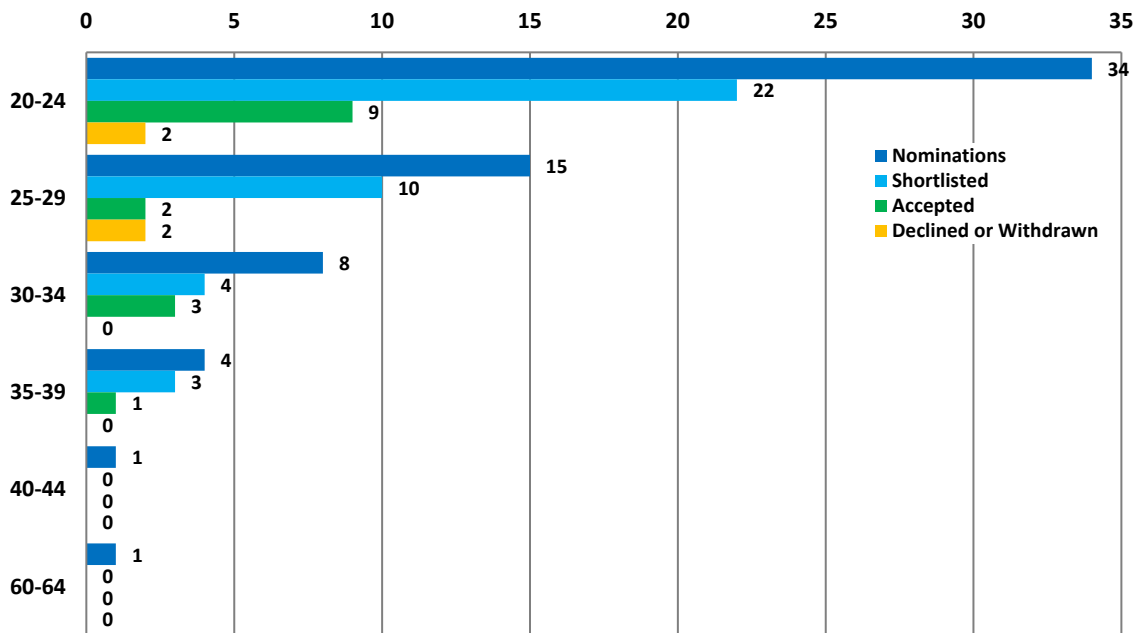


**Scholarships Awarded**

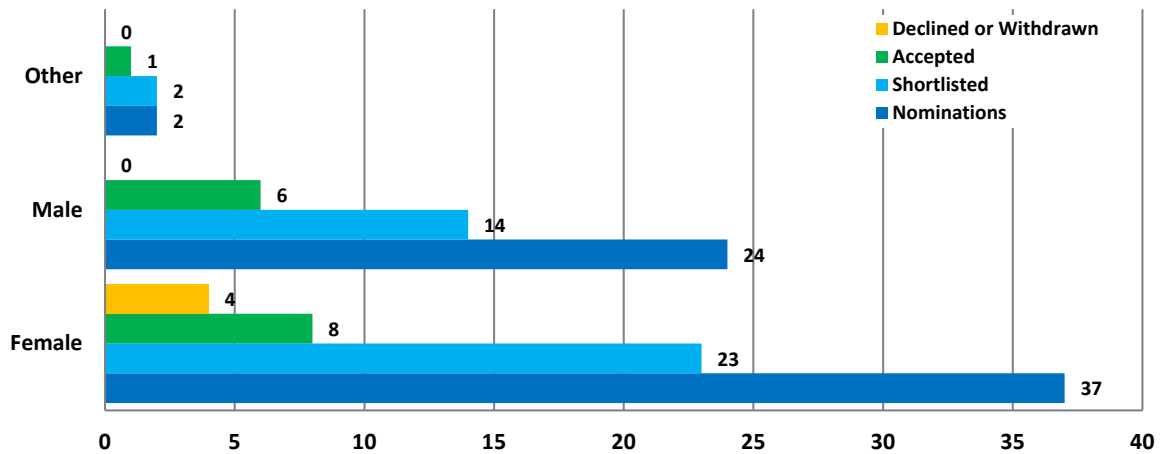


## Equal Opportunities Monitoring

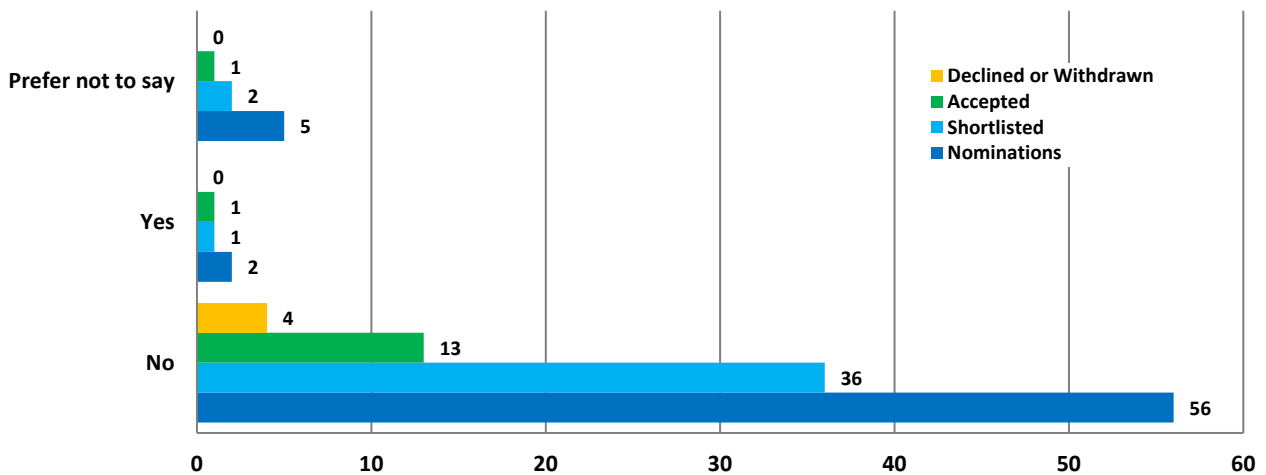
### Age



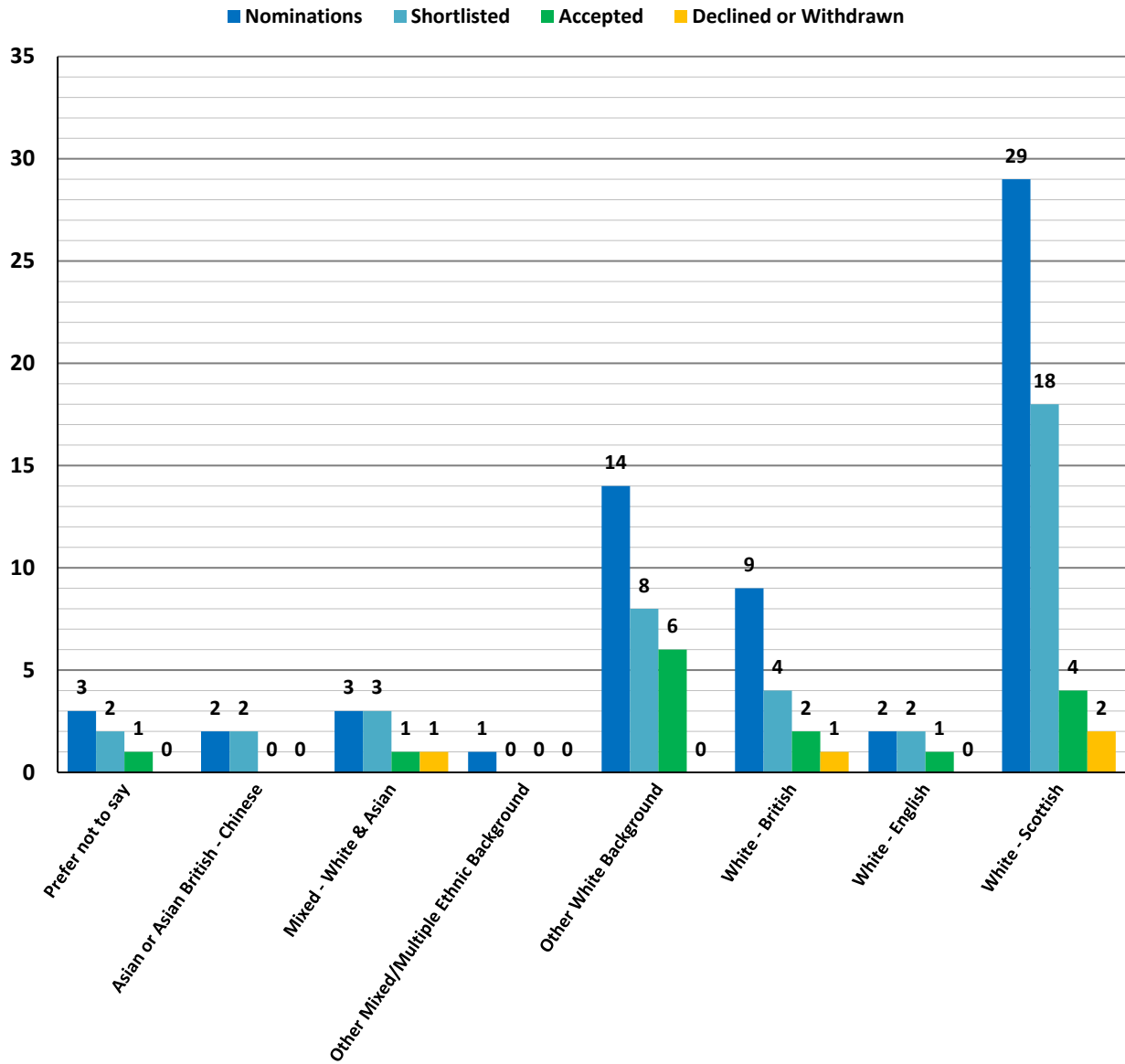
### Gender



### Disability



**Ethnicity**



## Annex 1: List of Scholarships awarded

### Carnegie Scholarships:

Gaia **Duberti**, Archaeology, University of Edinburgh

*Skulls of an Empire: investigating the potential of digital archiving as a decolonising praxis for the human remains collections at the UoE*

Supervisor: Dr Hannah Fitzpatrick

Clara **Flegel**, Mathematics, Heriot-Watt University

*The non-positively curved geometry of Artin groups*

Supervisor: Dr Alexandre Martin

Isambard **Goodbody**, Mathematics, University of Glasgow

*Hochschild homology of differential graded algebras*

Supervisor: Dr Gregory Stevenson

Sarunas **Kaubrys**, Mathematics, University of Edinburgh

*Donaldson-Thomas theory for 3-manifolds*

Supervisor: Dr Ben Davison

Siobhan **Kingham**, Geosciences, University of Edinburgh – Conditional Offer

*The Role of Water in the Moon's Unique Chlorine Isotopic Signature*

Supervisor: Dr Geoffrey Bromiley

Luke **McGinty**, Social Anthropology, University of St Andrews – Accepted

*Anarchism's Lost Future(s): Optimism, Space and Practice Among the Anarchists of Madrid*

Supervisor: Dr Paloma Gay y Blasco

Alice **Myers**, Visual Culture, Art Practice & Theory, Glasgow School of Art – Unconditional Offer

*Imagining a polyvocal prison image archive: an exploration of power, participatory photography and representation in spaces of incarceration*

Supervisor: Dr Nicky Bird

Emma **Oliver**, History of Art, University of Edinburgh – Accepted

*In what ways were evolving concepts of national identity visible in Scottish country houses during the long eighteenth century?*

Supervisor: Professor Vicky Coltman

Jenny **Peters**, Economics, University of Edinburgh – Accepted

*The Effect of Quantitative Easing on the Full- and Part-Time Gender Pay Gap in Germany and the UK.*

Supervisor: Professor Maia Güell

Neringa **Pratuseviciute**, Biomedical Sciences, University of Dundee – Conditional Offer

*Deciphering pathways and impact on LRRK2 signalling network in hereditary Parkinson's Disease*

Supervisor: Dr Esther Sammler

Elaine **Scougal**, Health/Sport, University of Dundee – Accepted

*Exploring the use of Augmentative and Alternative Communication to facilitate communication in children and young people with Down syndrome*

Supervisor: Professor Annalu Waller

Christopher **Troy**, Computing Science, University of the West of Scotland – Accepted  
*Artificial Intelligent Capabilities for Self-Protection of Large-Scale Pre-6G IoT Services*

Supervisor: Professor Jose M. Alcaraz Calero

Cameron **Wilson**, Mathematics, University of Glasgow – Accepted  
*Hasse principle for random varieties over global fields*

Supervisor: Dr Efthymios Sofos

### Caledonian Research Foundation (CRF) Scholarship:

Martin **Vrabec**, Mathematics, University of Glasgow – Accepted

*Relativistic integrable systems and related structures*

Supervisor: Dr Misha Feigin

### Henry Dryerre Scholarship:

Haris **Malik**, Biomedical Sciences, University of Glasgow – Unconditional Offer

*Pre-empting Emerging Viruses: Infection Dynamics of a Transmissible Vaccine Candidate against Vampire Bat-Transmitted Rabies*

Supervisor: Dr Daniel Streicker

### Robertson Medalists

Emma Olver, University of Edinburgh

Haris Malik, University of Glasgow