



British Heart
Foundation

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Research Grant
Awards 2018/2019

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Introduction

In the year April 2018 to March 2019 the British Heart Foundation (BHF) awarded grants totalling £128.2 million* for research into the causes, prevention, diagnosis and treatment of diseases of the heart and circulation.

The BHF has five research grant committees, each of which meets up to four times a year. The members of each committee are experts in various aspects of basic and clinical cardiovascular research. Applications are sent to independent reviewers before being assessed by the committee. Judgements are made on factors such as scientific merit, relevance to cardiovascular disease, timeliness, relationship to other work in the field and value for money. Shortlisted applicants for Chairs, and intermediate and senior Fellowships are interviewed.

In 2018-2019 the Chairs and Programme Grants Committee awarded £71.7 million to Personal Chairs, Programme Grants, Infrastructure Grants and other major projects. This included £28 million to provide a third round of funding to six BHF Centres of Research Excellence and a further £6 million to six universities as Accelerator Awards to develop their cardiovascular research programmes. It also included £0.9 million towards the development of a BHF National Cardiovascular Clinical Research Network and £1.9 million towards two awards jointly funded with the German Centre for Cardiovascular Research.

There were 31 chairholders (also referred to as BHF Professors) in post on 31 March 2019. Each chairholder is site-visited every five years to assess past research performance, future plans and proposed expenditure. The visiting team includes internationally renowned scientists in relevant fields.

The Clinical Studies Committee supports clinical trials of treatments, diagnostics and other interventions and certain observational studies of specific patient groups. The Committee awarded £8.6 million to seven applications.

The Translational Awards Committee awarded £1.8 million to six applications for the development of cardiovascular research through early pre-clinical milestones, with the aim of advancing the research to be attractive for larger follow-on investment towards clinical application.

The Fellowships Committee awarded £28.1 million to 78 applications, and the Project Grants Committee awarded £18.7 million to 80 applications.

The pages that follow list BHF chairholders in post and new awards made for Programme Grants, Clinical Study Grants, Translational Awards, Fellowships, Project Grants and others.

Full details of all types of award offered by the BHF, and of the application process, appear on the BHF website bhf.org.uk/research

The figures above include supplements made to new and existing grants.

*This figure includes only the expected payments to the next milestone for grants which are conditional upon the successful achievement of project milestones.

BHF chairholders Listed by institute

University of Birmingham

The Chair of Cardiovascular Sciences and Cellular Pharmacology
Held by: Professor S P Watson
BSc PhD FMedSci

Major interest: Cellular and molecular biology of blood platelets in haemostasis and thrombosis.

University of Bristol

The Chair of Cardiac Surgery
Held by: Professor G D Angelini
MD MCh FRCS FETCS FMedSci

Major interests: Coronary artery bypass surgery, including off-pump techniques and methods to reduce restenosis; improving surgery for heart defects in infants.

University of Bristol

The Chair of Congenital Heart Surgery
Held by: Professor M Caputo MD MCh FRCS

Major interest: Cardiac surgical research, particularly in congenital heart disease.

University of Cambridge

The Chair of Cardiovascular Sciences
Held by: Professor M R Bennett BSc MBChB PhD MA FRCP FAHA FMedSci

Major interest: Molecular mechanisms controlling smooth muscle cell proliferation, ageing and death in atherosclerosis.

University of Cambridge

The Chair of Epidemiology and Medicine
Held by: Professor J N Danesh MBChB MSc DPhil FMedSci

Major interests: Cardiovascular epidemiology; large-scale studies of genetic and biochemical factors.

University of Cambridge

The Chair of Cardiovascular Medicine
Held by: Professor Z Mallat MD PhD

Major interest: Cellular and molecular control of immune processes in atherosclerosis and vascular inflammation.

University of Cambridge

The Chair of Cardiopulmonary Medicine
Held by: Professor N W Morrell MBBS BSc MA MD FRCP FMedSci

Major interest: Molecular and genetic mechanisms of pulmonary arterial hypertension.

University of Edinburgh

The Chair of Translational Cardiovascular Sciences
Held by: Professor A H Baker BSc PhD FMedSci

Major interest: Gene- and cell-based therapies to combat vascular disease.

University of Edinburgh

The John Wheatley Chair of Cardiology
Held by: Professor D E Newby BA BSc PhD BM DM DSc FRSE FESC FACC FMedSci

Major interest: Experimental cardiovascular medicine, including studies of air pollution as a risk factor for cardiovascular disease.

University of Glasgow

The Chair of Cardiovascular Medicine
Held by: Professor R M Touyz BSc MBBCh MSc PhD FMedSci

Major interest: Vascular mechanisms of hypertension, particularly the role of reactive oxygen species.

Imperial College London

The Chair of Cardiovascular Science
Held by: Professor C Emanueli BSc PhD

Major interest: Growth and repair of adult blood vessels: roles of stem cells and angiogenic factors.

Imperial College London

The Simon Marks Chair of Regenerative Cardiology
Held by: Professor M D Schneider MD FMedSci

Major interests: Molecular control of cardiac myocyte growth and death; strategies for regenerative cardiac medicine.

King's College London

The Chair of Molecular Cardiology
Held by: Professor M Gautel MD PhD FMedSci

Major interest: Cellular and molecular biology of the contractile proteins in heart muscle.

King's College London

The Chair of Cardiovascular Proteomics
Held by: Professor M Mayr MD PhD

Major interest: Novel methods to detect and measure biomarkers of cardiovascular risk.

King's College London

The Chair of Cardiology
Held by: Professor K Otsu MD PhD FAHA FMedSci

Major interest: Inflammatory mechanisms in heart failure.

King's College London

The Chair of Cardiology
Held by: Professor A M Shah MD FRCP FESC FMedSci

Major interest: Cellular and molecular biology of production of reactive oxygen species in the cardiovascular system and their roles in atherosclerosis, cardiac hypertrophy and heart failure.

King's College London

The John Parker Chair of Cardiovascular Sciences
Held by: Professor Q Xu MBBS MD PhD

Major interest: Cellular and molecular biology of stem cells and their importance in modulating atherosclerosis and restenosis.

University of Leeds

The Chair of Cardiovascular and Diabetes Research
Held by: Professor M T Kearney MB ChB FRCP DM

Major interest: Mechanisms by which insulin resistance and diabetes exacerbate atherosclerosis.

University of Leeds

The Chair of Cardiovascular Imaging
Held by: Professor S Plein MRCP MD PhD

Major interest: Innovative cardiac magnetic resonance imaging for patient diagnosis and assessment.

University of Leicester

The Chair of Cardiac Surgery
Held by: Professor G J Murphy BSc MBChB MD FRCS

Major interest: Strategies to reduce distal organ injury occurring during cardiac surgery.

University of Manchester

The Chair of Cardiac Physiology
Held by: Professor D A Eisner MA DPhil FMedSci

Major interest: Cellular and molecular physiology of the role of calcium in control of heart rhythm.

University of Manchester

The Chair of Cardiology
Held by: Professor B D Keavney BSc BM BCh MRCP DM FRCP

Major interest: Genetics of heart disease.

University of Oxford

The Chair of Cardiovascular Medicine
Held by: Professor S Bhattacharya MBBS MD MRCP MSc FESC FMedSci

Major interests: Developmental biology of the heart; cardiovascular drug target discovery.

University of Oxford

The Chair of Cardiovascular Medicine
Held by: Professor B Casadei MD DPhil FRCP FESC FMedSci

Major interest: Redox signalling in cardiovascular disease, particularly atrial fibrillation.

University of Oxford

The Field Marshal Earl Alexander Chair of Cardiovascular Medicine
Held by: Professor K M Channon MD FRCP FMedSci

Major interests: Redox signalling in atherosclerosis; using genetics and genomics to discover novel molecular pathways in atherosclerosis.

University of Oxford

The Chair of Medicine and Epidemiology
Held by: Professor Sir Rory Collins MSc MBBS LMSSA FRCP FMedSci FRS

Major interests: Meta-analysis and large-scale trials in cardiovascular disease; large-scale epidemiological studies of risk factors and biomarkers.

University of Oxford

The Chair of Regenerative Medicine
Held by: Professor P R Riley BSc PhD FMedSci

Major interests: Developmental biology of the heart and its applications to cardiac regenerative medicine.

University of Oxford

The Chair of Cardiovascular Medicine
Held by: Professor H C Watkins MD PhD FRCP FMedSci FRS

Major interests: Genetics and underlying molecular mechanisms in hypertrophic cardiomyopathy; genetics of coronary artery disease.

Queen Mary, University of London

The Chair of Cardiovascular Immunology
Held by: Professor F M Marelli-Berg MD PhD

Major interest: Control of T lymphocyte homing to the heart in rejection, autoimmunity and inflammation.

University of Southampton

The Chair of Cardiovascular Science
Held by: Professor M A Hanson MA DPhil CertEd FRCOG

Major interest: Molecular mechanisms for developmental and neonatal origins of adult cardiovascular disease.

University of Swansea

The Sir Thomas Lewis Chair of Cardiovascular Science
Held by: Professor A J Williams BA PhD

Major interests: Molecular biology of calcium flux through the ryanodine receptor in cardiac myocytes and its disturbance in arrhythmia.

Awards made during the year

1 April 2018 – 31 March 2019

Fellowships

Listed alphabetically by Institute

Non-clinical Fellowships

Advanced Training Award				
Reference number	Name	Institution	Grant title	Total
FS/19/14/34170	Dr R Correr BSc MSc PhD	University College London	Novel mechanisms in lymphangiogenesis. 3 years	£176,304
Senior Basic Science Research Fellowships				
Reference number	Name	Institution	Grant title	Total
FS/18/53/33863	Dr M Frontini BSc PhD	University of Cambridge	Role of megakaryocyte and endothelial cell shared super enhancers in determining prothrombotic phenotypes. 5 years	£880,455
FS/19/18/34252	Prof D Tyler MSci PhD	University of Oxford	Building an imaging toolbox for metabolic heart disease. 5 years	£725,000
FS/18/52/33808	Prof A Lawrie BSc PhD	University of Sheffield	Defining the molecular mechanisms of the OPG-FAS-TRAIL axis in pulmonary arterial hypertension. 5 years	£841,232
Intermediate Basic Science Research Fellowships				
Reference number	Name	Institution	Grant title	Total
FS/18/39/33684	Dr D Villar Lozano BSc PhD	Queen Mary University of London	Epigenomic conservation of cardiomyocyte enhancers and its interplay with human genetic variants in myocardial disease. 3 years	£472,286
FS/18/38/33659	Dr P Meakin MSci PhD	University of Leeds	What are the mechanisms involved in the beneficial effects of BACE1 inhibition on endothelial function in type 2 diabetes? 5 years	£638,548
FS/19/1/34035	Dr A D'Souza BSc PhD	University of Manchester	Understanding atrial fibrillation and right ventricular arrhythmias in the athlete: role of microRNAs and transcription factors. 5 years	£704,391
Immediate Postdoctoral Basic Science Research Fellowships				
Reference number	Name	Institution	Grant title	Total
FS/19/19/34175	Dr A Wong BSc PhD	London School of Hygiene and Tropical Medicine	Polypharmacy and the impact of drug interactions with direct oral anticoagulants. 4 years	£258,700
4 year PhD Studentships				
Reference number	Name	Institution	Grant title	Total
FS/18/59/34180	Prof S Harding BSc PhD	Imperial College London	ICL 2nd intake 2018 – 4 year PhD Studentship Scheme: Ms Kelly de Coteau; Ms Catherine Jenkins; Ms Aleksandra Judina; Ms Lida Kabir. 4 years	£680,144

4 year PhD Studentships continued				
FS/18/60/34181	Prof M Mayr MD PhD	King's College London	KCL 2nd intake 2018 – 4 year PhD Studentship Scheme: Ms Hannah Green; Mr Clemens Gutmann; Ms Angeliki Ntorla; Ms Christina Maria Reumiller. 4 years	£664,228
FS/18/64/34185	Prof A Ahluwalia BSc PhD	Queen Mary University of London	QMUL 2nd intake 2018 – 4 year PhD Studentship Scheme: Ms Silvia Fanti; Ms Hannah Nicholls; Ms Kaya Olczak; Mr Darren Wilson. 4 years	£652,264
FS/18/65/34186	Prof A Hughes BSc MBBS PhD	University College London	UCL 2nd intake 2018 – 4 year PhD Studentship Scheme: Ms Vanessa Acquaah; Mr Albert Henry; Ms Victoria Rashbrook; Mr Benjamin Ringham-Terry. 4 years	£669,164
FS/18/55/34174	Prof A Poole MA PhD VetMB FBPhS MRCVS	University of Bristol	Bristol 2nd intake 2018 – 4 year PhD Studentship Scheme: Mr Andrew Butler; Ms Genevieve Leyden; Mr Georgios Kremastiotis; Ms Hazel Blythe. 4 years	£611,732
FS/18/56/34177	Prof M Bennett BSc MBChB PhD MA FRCP FAHA FMedSci	University of Cambridge	Cambridge 2nd intake 2018 – 4 year PhD Studentship Scheme: Mr Ryan Chung; Ms Iona Cuthbertson; Ms Isabella Inzani; Ms Dominika Krzyzanska. 4 years	£678,260
FS/18/57/34178	Prof M Bailey BSc PhD FRSB	University of Edinburgh	Edinburgh 2nd intake 2018 – 4 year PhD Studentship Scheme: Ms Souzana Angel; Mr Georgios Krilis; Ms Eleanor McKay; Mr Ben McNeill. 4 years	£615,604
FS/18/58/34179	Prof R Touyz BSc MBBCh MSc PhD FMedSci	University of Glasgow	Glasgow 2nd intake 2018 – 4 year PhD Studentship Scheme: Mr Jack Beazer; Ms Emily Gallen; Mr Jithin Kuriakose; Ms Rebecca Rooney. 4 years	£612,156
FS/18/61/34182	Prof P Stewart MD FRCP FMedSci	University of Leeds	Leeds 2nd intake 2018 – 4 year PhD Studentship Scheme: Ms Lauren Eades; Ms Amanda MacCannell; Ms Ashley Money; Ms Sabina Wiktor. 4 years	£613,056
FS/18/62/34183	Dr E Cartwright BSc MSc PhD	University of Manchester	Manchester 2nd intake 2018 – 4 year PhD Studentship Scheme: Ms Cecilia Facchi; Ms Lucy Roberts; Mr Matthew Smith; Ms Sana Yaar. 4 years	£612,156
FS/18/63/34184	Prof D Greaves BSc PhD	University of Oxford	Oxford 2nd intake 2018 – 4 year PhD Studentship (Scheme: Ms Faseeha Ayaz; Ms Laura Chaffey; Ms Lucy Donovan; Ms Yasemin-Xiomara Zurke. 4 years	£665,672
MBPhD Studentships				
Reference number	Name	Institution	Grant title	Total
FS/18/37/33642	Mr F Pitoulis	Imperial College London	The development of a novel multicellular 3D myocardial platform for pharmacological and regenerative studies. 3 years	£125,785
FS/18/84/33695	Mr J Sayers BSc	University College London	How do neuropilins regulate macrophage biology and influence the development of atherosclerosis? 3 years	£117,534

PhD Studentships				
Reference number	Name	Institution	Grant title	Total
FS/18/42/33827	Ms N Graham BSc	Cardiff University	Investigation of the roles of GATA4 and its target genes in cardiac differentiation of iPS cells. 3 years	£108,131
FS/18/69/33884	Mr V Claro BSc MSc	King's College London	Netrin-1 and macrophage phenotype: role in the pathophysiology of atherosclerosis. 3 years	£119,498
FS/18/71/33938	Miss J Davidson BSc MSc	London School of Hygiene and Tropical Medicine	Influenza and pneumococcal vaccines for preventing cardiovascular complications among patients with raised cardiovascular risk. 3 years	£119,505
FS/18/66/34224	Student to be appointed (Supervisor: Dr S Jones)	Manchester Metropolitan University	Joint NC3Rs/BHF PhD Studentship: Development and characterisation of a novel endothelialised <i>in vitro</i> model of human atherothrombosis. 3 years	£90,000
FS/18/41/33762	Mr S Baldwin BSc	St George's University of London	Sex-dependent regulation of vascular Kv7 channels. 3 years	£119,453
FS/18/72/33942	Miss P Evans BSc MSc	University College London	Non-invasive characterisation of perivascular function and blood brain barrier permeability to water in small vessel disease: a translational MRI study. 3 years	£105,240
FS/18/45/33862	Mr J El-Awaisi BSc	University of Birmingham	The role of IL-36 in mediating microcirculatory disturbances in the young and aged murine heart after myocardial ischaemia-reperfusion injury. 3 years	£151,039
FS/18/68/34226	Student to be appointed (Supervisor: Dr D Vigolo)	University of Birmingham	Joint NC3Rs/BHF PhD Studentship: Advanced <i>in vitro</i> and <i>in silico</i> models to predict and prevent deep venous thrombosis. 3 years	£90,000
FS/19/12/34204	Student to be appointed (Supervisor: Dr D Pavlovic)	University of Birmingham	Investigating regulatory pathways for intracellular sodium in the atria. 3 years	£118,742
FS/18/34/33666	Mr A Scott BSc	University of Bristol	Characterisation of the pro-angiogenic properties of endogenous cardiac extracellular vesicle delivered microRNAs during heart injury and repair in zebrafish. 3 years	£107,972
FS/18/74/33976	Mr A Somos BSc	University of Bristol	Suppression of abdominal aortic aneurysms via porcupine inhibition. 3 years	£111,631
FS/19/9/34146	Miss J Wood BSc MPhil	University of Cambridge	The role of aquaporin-1 mutations in pulmonary arterial hypertension. 3 years	£155,118
FS/18/35/33681	Mr T Afewerki BSc MPharm	University of East Anglia	The impact of matrix stiffness on smooth muscle cell contractile function. 3 years	£107,077

PhD Studentships (continued)				
FS/18/43/33845	Ms S Stephenson BSc	University of East Anglia	BMP and Wnt signalling crosstalk regulates cardiac progenitor cell migration: investigating novel effector genes. 3 years	£116,077
FS/19/10/34128	Student to be appointed (Supervisor: Dr A Aburima)	University of Hull	α-synuclein is a novel regulator of platelet function. 3 years	£108,238
FS/18/75/33978	Miss B Webb BSc	University of Leeds	The role of adenylyl cyclase 6 in platelet function, haemostasis and thrombosis. 3 years	£116,449
FS/18/32/33557	Student to be appointed (Supervisor: Dr G Mavria)	University of Leeds	Establishment of a 3D cell culture perfused system to investigate mechanisms of blood vessel lumen morphogenesis: the role of cilia and cytoskeletal regulators in flow sensing. 3 years	£107,801
FS/19/11/34147	Student to be appointed (Supervisor: Dr M Sweeting)	University of Leicester	Utilising population-based disease registry data and control populations from electronic health records to estimate excess rates of disease-specific morbidity and mortality in cardiovascular disease patients. 3 years	£86,060
FS/18/73/33973	Dr Wei Liu PhD MB	University of Manchester	Investigating Pak2 regulation of ER stress response for maintaining cardiac metabolism under diabetic stress. 3 years	£107,635
FS/18/70/33893	Mr A Brown BSc	University of Nottingham	Conformational regulation and cardiovascular disease dysregulation of Factor XII. 3 years	£106,161
FS/19/13/34235	Miss T Cai BSc MPH	University of Oxford	Understanding the potential harms of statins to refine primary prevention treatment for cardiovascular disease: causal inference study and risk prediction modelling using data from electronic health records and previous trials. 3 years	£89,439
FS/18/33/33621	Mr J Cull BSc	University of Reading	Striatin regulation of cardiac hypertrophy. 3 years	£107,546
FS/18/67/34225	Student to be appointed (Supervisor: Dr A Pollitt)	University of Reading	Joint NC3Rs/BHF PhD Studentship: Fusogenic liposomes: the innovative delivery of compounds into human platelets to reduce animal use in platelet research. 3 years	£90,000
FS/18/36/33686	Ms R Craig BSc	University of Strathclyde	Prevention of CXCL12 production in cells of the cardiovascular system by IKK alpha inhibition: a new therapeutic approach for the treatment of cardiovascular disease? 3 years	£107,861

Travel Fellowship				
Reference number	Name	Institution	Grant title	Total
FS/19/20/34455	Mr M Preedy BSc	Queen Mary University of London	Joint BHF/Fulbright Scholar Award: The roles of prostacyclin and adipose triglyceride lipase in regulating endothelial lipid handling in vascular health and disease. <i>1 year</i>	£55,738

Career Re-Entry Research Fellowships				
Reference number	Name	Institution	Grant title	Total
FS/19/3/34255	Dr G Buckland BSc MSc PhD	University of Bristol	The relationship between diet quality in childhood and cardiometabolic health and low-grade chronic inflammation in adolescence and early adulthood. <i>4 years</i>	£172,563
FS/18/40/33650	Dr P Caruso BSc MSc PhD	University of Cambridge	The role of the splicing factor PTBP1 and its target PKM2 in the endothelium in pulmonary arterial hypertension. <i>4 years</i>	£426,514
FS/18/54/34227	Dr V Deivasikamani PhD	University of Leeds	Joint BHF/Daphne Jackson Fellowship: Mechano- sensor gene mutation in human cardiovascular disease. <i>3 years</i>	£148,189

Clinical Fellowships

Senior Clinical Research Fellowship				
Reference number	Name	Institution	Grant title	Total
FS/18/46/33663	Dr S Sinha BA MB BChir MRCP PhD	University of Cambridge	Human embryonic stem cell-derived epicardium to promote cardiac regeneration and remuscularisation. <i>5 years</i>	£927,088

Intermediate Clinical Research Fellowships				
Reference number	Name	Institution	Grant title	Total
FS/19/2/34017	Dr E Yu MA PhD MRCP	University of Cambridge	Regulation, consequences and treatment of mitochondrial dysfunction in atherosclerosis. <i>5 years</i>	£960,823
FS/19/17/34172	Dr A Shah MBChB MPH PhD MRCP	University of Edinburgh	High-sensitivity cardiac troponin in the prevention of cardiovascular disease. <i>4 years</i>	£552,099
FS/18/47/33669	Dr G Morris BA BMBCh MA PhD	University of Manchester	How does sinoatrial node disease maintain atrial fibrillation? A study of structural and electrical heterogeneity in the right atrium and around the sinoatrial node complex. <i>4 years</i>	£827,605

Clinical Research Training Fellowships				
FS/19/4/34013	Dr N Ali BMBCh MA MRCP	Imperial College London	Cardiac resynchronisation by His pacing: patient selection by high-precision invasive and non- invasive phenotyping. <i>3 years</i>	£211,971
FS/18/81/34020	Dr M Conway MBBS BSc MRCP	Imperial College London	Diffusion tensor cardiovascular magnetic resonance assessment of cardiac microstructure in adult congenital heart disease. <i>2 years, 11 months</i>	£234,421
FS/19/6/34129	Dr R Vaja BM BMedSci MRCS	Imperial College London	Biomarkers of COX-2 inhibition and NSAID cardiovascular side effects. <i>3 years</i>	£245,808
FS/18/78/33902	Dr B Alaour MD PgCert	King's College London	The biological variability of cardiac myosin- binding protein C and its ability to assist in the early triage of patients with suspected acute myocardial infarction. <i>2 years</i>	£188,181
FS/18/48/33745	Dr C Allen BSc MBChB MRCP	King's College London	Microvascular inflammation in heart failure with preserved ejection fraction. <i>3 years</i>	£247,438
FS/18/27/33543	Dr L O'Neill MBBChBAO MRCPI	King's College London	Characterisation of the structural and electrical impact of an atrial septal defect. <i>3 years</i>	£213,915
FS/18/79/33932	Dr E Dempsey BSc MBBS MRCPCH MSc	St George's University of London	An investigation into the aetiology and genetics of fetal oedema/hydrops with a focus on lymphatic-related hydrops. <i>3 years</i>	£158,339
FS/18/28/33549	Dr C Miles BSc MBChB MRCP	St George's University of London	Novel diagnostic markers in sudden arrhythmic death syndrome. <i>2 years, 4 months</i>	£176,618
FS/19/5/34080	Dr G Parry-Williams MBChB MRCP	St George's University of London	Chronic endurance exercise in male master athletes: the relationship between cumulative exercise dose and coronary atherosclerosis and the interplay with blood pressure profile and dietary habits. <i>2 years</i>	£238,271
FS/18/82/34024	Dr A Protonotarios Ptychion Iatrikes (MBBS)	University College London	The role of inflammation in arrhythmogenic cardiomyopathy. <i>3 years</i>	£224,677
FS/18/83/34025	Dr A Seraphim BSc MBBS	University College London	Predictors of functional recovery from surgical revascularisation of poor ventricles. <i>2 years, 6 months</i>	£229,805
FS/18/80/33937	Dr M Shah BSc MBChB MRCP	University College London	The role of extracellular histones in myocardial ischaemia-reperfusion injury. <i>1 year, 11 months</i>	£132,639
FS/19/16/34169	Dr J Law MBChB MRCP	University of Birmingham	Scarred by kidney disease: FGF23 as a key mediator of cardiac fibrosis in patients with chronic kidney disease. <i>3 years</i>	£210,044
FS/18/29/33554	Dr L Pickup BSc MBBS MRCP	University of Birmingham	A prospective study of the effects of kidney transplantation on chronic kidney disease associated cardiomyopathy using magnetic resonance imaging. <i>3 years</i>	£272,481

Clinical Research Training Fellowships (continued)				
FS/19/15/34155	Dr A Fletcher MRCPCH MBChB BMedSci	University of Edinburgh	Non-invasive detection of bicuspid aortic valve- related thoracic aortopathy. 2 years, 6 months	£343,823
FS/18/31/33676	Mr M Syed MBChB MSc MRCS	University of Edinburgh	¹⁸ F-sodium fluoride positron emission tomography in patients with acute aortic syndrome. 2 years	£260,591
FS/18/51/33871	Dr S McNeill MBChB MRCP	University of Glasgow	An investigation of the pathophysiology underlying the increased risk of venous thrombosis in overweight and obese pregnant women. 2 years	£155,552
FS/18/44/33792	Dr M Drozd BSc MBChB	University of Leeds	Translating human outgrowth endothelial cell therapy to models of diabetic vascular disease. 3 years	£173,405
FS/18/30/33647	Mr M Waduud BSc MBChB MSc MRCS	University of Leeds	Mechanosensor ion channel interaction in abdominal aortic aneurysm. 3 years	£228,778
FS/18/76/33841	Dr J Ariyaratnam BSc PhD FRSB FRCP	University of Manchester	Dysfunction of the atrioventricular node and His-Purkinje system in heart failure: role of the transcriptome, proteome and micronome. 3 years	£200,430
FS/18/77/33876	Dr V Robinson BMedSci MBChB	University of Manchester	Old drugs new tricks: the ability of dantrolene and a carvedilol derivative (VKII-86) to prevent calcium waves and arrhythmia. 3 years	£218,002
FS/19/8/34163	Dr J Taylor MBChB MSc	University of Manchester	Physical activity, frailty and hospitalisation in older people with heart disease: learning from implanted cardiac device remote monitoring data. 2 years	£123,465
FS/18/50/33807	Dr P Green BM BCh MA MRCP	University of Oxford	Metabolic markers of cardiac reverse remodelling in heart failure. 3 years	£284,856
FS/19/7/34148	Dr J Kitt BMBCh MA	University of Oxford	Cardio- and cerebro-vascular remodelling after hypertensive pregnancy: assessing the impact of post partum blood pressure control. 3 years	£357,600
FS/18/49/33752	Dr W Parker MA MB BChir MRCS MRCP	University of Sheffield	The impact of aspirin dose modification on the innate immune response. 3 years	£231,348

Centres of Research Excellence

Listed alphabetically by Institute

Reference number	Name	Institution	Grant title	Total
RE/18/4/34215	Prof M Wilkins MD FRCP FBPhS FMedSci	Imperial College London	Research Excellence (round 3). 5 years	£4,000,000
RE/18/2/34213	Prof A Shah MD FRCP FESC FMedSci	King's College London	Research Excellence (round 3). 5 years	£6,000,000

Centres of Research Excellence (continued)				
RE/18/1/34212	Prof M Bennett BSc MBChB PhD MA FRCP FAHA FMedSci	University of Cambridge	Research Excellence (round 3). 5 years	£6,000,000
RE/18/5/34216	Prof A Baker BSc (Hons) BSc (Hons) PhD FAHA FESC FMedSci FRSE	University of Edinburgh	Research Excellence (round 3). 5 years	£3,000,000
RE/18/6/34217	Prof R Touyz BSc (Hons) MBBCh MSc PhD FMedSci	University of Glasgow	Research Excellence (round 3). 5 years	£3,000,000
RE/18/3/34214	Prof H Watkins MD PhD FRCP FMedSci FRS	University of Oxford	Research Excellence (round 3). 5 years	£6,000,000

Accelerator Awards

Listed alphabetically by Institute

Reference number	Name	Institution	Grant title	Total
AA/18/5/34222	Prof F Marelli-Berg MD PhD	Queen Mary University of London	Accelerator Award. 5 years	£1,000,000
AA/18/6/34223	Prof A Hingorani BA MA MBBS MRCP PhD FRCP FESC	University College London	Accelerator Award. 5 years	£1,000,000
AA/18/2/34218	Prof P Kirchhof MD FESC FRCP (Edin)	University of Birmingham	Accelerator Award. 5 years	£1,000,000
AA/18/1/34219	Prof D Lawlor MBChB MPH MSc PhD MRCGP MFPHM	University of Bristol	Accelerator Award. 5 years	£1,000,000
AA/18/3/34220	Prof G Murphy BSc MBChB MD FRCS	University of Leicester	Accelerator Award. 5 years	£1,000,000
AA/18/4/34221	Prof B Keavney BSc BM BCh MRCP (UK) DM FRCP	University of Manchester	Accelerator Award. 5 years	£1,000,000

Infrastructure Grants

Listed alphabetically by Institute

Reference number	Name	Institution	Grant title	Total
IG/18/6/33974	Prof S Harding BSc PhD	Imperial College London	Funds towards the purchase of a CytoCypher system for the cardiac function section of NHLI. 1 year	£66,009
IG/18/5/33958	Prof A Hughes BSc MBBS PhD	University College London	Funds to enhance the BHF-NIHR Bloomsbury Centre for Clinical Phenotyping (BCCP). 1 year	£776,285
IG/19/1/34279	Prof G McCann BSc MB ChB MD	University of Leicester	Funds towards the purchase of an MRI scanner and building work within the Department of Cardiovascular Sciences. 1 year	£1,000,000
IG/18/3/33614	Prof Dr T Suzuki MD PhD	University of Leicester	Funds to purchase two liquid chromatography-triple quadrupole-mass spectrometers (TQ-MS). 1 year	£351,251
IG/18/4/33700	Prof B Keavney BSc BM BCh MRCP (UK) DM FRCP	University of Manchester	Funds towards a research cardiovascular magnetic resonance scanner. 1 year	£1,000,000

Special Project Grants

Listed alphabetically by Institute

Reference number	Name	Institution	Grant title	Total
SP/18/9/34065	BHF National Cardiovascular Clinical Research Network	British Cardiovascular Society	Funding to support the development of a BHF National Cardiovascular Clinical Research Network (BHF-CCRN). 3 years	£873,209
SP/19/1/34461	Dr M Nosedá MD PhD	Imperial College London	Spatially resolved cellular and molecular drivers of cardiac remodelling in healthy and failing human hearts (joint funding with DZHK). 3 years	£864,825
SP/18/13/34042	Prof P Eaton BSc PhD	Queen Mary University of London	The mitochondrial pyruvate carrier and myocardial adaptation to stress. 3 years	£449,799
SP/18/10/33975	Prof N Morrell MBBS BSc MA MD FRCP ScD FMedSci	University of Cambridge	National cohort study of idiopathic and heritable pulmonary arterial hypertension (renewal). 4 years	£1,502,821
SP/18/12/34300	Prof N Bobola PhD FRSB	University of Manchester	Joint funding with MRC of the human cell atlas (HCA) work targeted at cardiovascular tissue: a cell atlas of the human outflow tract of the heart. 2 years	£275,905
SP/19/2/34462	Prof H Watkins MD PhD FRCP FMedSci FRS	University of Oxford	Genetic discovery-based targeting of the vascular interface in atherosclerosis (joint funding with DZHK). 4 years	£1,077,114

Clinical Study Grants

Listed alphabetically by Institute

Reference number	Name	Institution	Grant title	Total
CS/18/3/34063	Prof Dr B O'Brien MD PhD (Habil) FRCA FFICM MHBA SFFMLM	Queen Mary University of London	The TIGHT-K STUDY. Arrhythmias on the cardiac intensive care unit: does maintenance of high-normal serum potassium levels matter? 4 years, 6 months	£1,200,000
CS/18/1/33711	Prof N Mills MBChB BSc PhD FESC FRCP	University of Edinburgh	Troponin in Acute chest pain to Risk stratify and Guide Effective use of Computed Tomography Coronary Angiography (TARGET-CTCA). 5 years	£1,115,723
CS/18/4/34074	Prof D Newby BA BSc PhD BM DM DSc FRSE FESC FACC FMedSci	University of Edinburgh	Computed tomography coronary angiography for the prevention of myocardial infarction: the SCOT-HEART 2 Trial. 8 years	£943,260
CS/18/2/33719	Prof R Salman MA (Cantab) MB BChir PhD FRCP Edin FHEA FESO	University of Edinburgh	Start or Stop Anticoagulants Randomised Trial (SoSTART) for atrial fibrillation after intracranial haemorrhage: safety phase. 3 years	£721,223
CS/18/5/34081	Prof K Muir MSc MD FRCP	University of Glasgow	Multi-centre, prospective randomised open label, blinded-endpoint (PROBE) controlled trial of thrombolysis with low dose tenecteplase (TNK-tPA) versus standard of care in the prevention of disability at three months in minor ischaemic stroke with proven acute symptomatic occlusion (TEMPO-2). 4 years	£488,647
CS/18/6/34079	Prof K Muir MSc MD FRCP	University of Glasgow	Alteplase-tenecteplase trial evaluation for stroke thrombolysis (ATTEST-2) imaging substudy. 2 years, 6 months	£551,803
CS/18/7/33714	Prof G McCann BSc MB ChB MD	University of Leicester	The Early surgery in severe ASymptomatic Aortic Stenosis trial: EASY-AS. 10 years	£2,722,054

Programme Grants

Listed alphabetically by Institute

Reference number	Name	Institution	Grant title	Total
RG/19/1/34160	Prof D Pennell MB BChir MA MD FRCP FACC FESC FRCR FAHA FMedSci FSCMR	Imperial College London	The cardiac microstructure in health and disease. 5 years	£1,491,812
RG/19/2/34256	Prof D Henderson BSc PhD	Newcastle University	Development and disease of the arterial valves. 5 years	£1,186,181
RG/18/8/33673	Prof S Hoppler MSc PhD	University of Aberdeen	Building heart muscle: how does Wnt signalling control gene-regulatory networks to coordinate cardiomyocyte differentiation? 5 years	£1,006,869

Programme Grants (continued)				
RG/18/13/33946	Prof J Danesh MBChB MSc DPhil FRCP FFPH FMedSci	University of Cambridge	Large-scale integrative genomic studies of high-dimensional traits in cardiovascular diseases (renewal). 5 years	£2,488,808
RG/19/3/34265	Prof N Morrell MBBS BSc MA MD FRCP ScD FMedSci	University of Cambridge	The roles of BMP9 and BMP10 in cardiopulmonary homeostasis and disease (renewal). 5 years	£1,399,223
RG/18/7/33636	Prof A Vidal-Puig MD PhD FRCP FMedSci EMBA	University of Cambridge	Targeting macrophage lipid metabolism to dissociate obesity from cardiovascular risk (renewal). 5 years	£1,245,413
RG/18/11/34036	Prof R Ariens BSc PhD	University of Leeds	Role of fibrin biofilm and clot network architecture in thrombus stability (renewal). 5 years	£1,323,069
RG/18/10/33842	Prof M Bown MB BCh MD FRCS PGCert	University of Leicester	Genomic characterisation of abdominal aortic aneurysm growth. 4 years	£587,498
RG/18/6/33576	Prof B Casadei MD DPhil FRCP FESC FMedSci	University of Oxford	Impact of clinically silent atrial fibrillation on cerebrovascular disease and cognitive decline in the UK Biobank Imaging Cohort. 5 years	£2,464,260
RG/18/12/34040	Prof C Lygate BSc MRes PhD	University of Oxford	Impact of creatine / homoarginine metabolism in health and disease (renewal). 4 years, 9 months	£1,154,988
RG/18/9/33887	Prof H Watkins MD PhD FRCP FMedSci FRS	University of Oxford	Defining the role of the immune response in hypertrophic cardiomyopathy. 5 years	£1,650,405

New Horizon Grants

Listed alphabetically by Institute

Reference number	Name	Institution	Grant title	Total
NH/18/3/33913	Dr S Thomas BSc PhD	University of Birmingham	3D visualisation of single platelets within platelet aggregates using expansion microscopy. 3 years	£195,492
NH/18/2/33771	Prof E Raven BSc PhD FRSC	University of Bristol	The role of heme in ion channel regulation: a combined chemical and physiological approach. 3 years	£175,148

Translational Awards

Listed alphabetically by Institute

Reference number	Name	Institution	Grant title	Total
TG/18/5/34111	Dr J Keegan BSc MSc PhD	Imperial College London	Rapid analysis of regional myocardial strain from accelerated velocity-encoded MRI data acquisition for early diagnosis of cardiac disease. 1 year, 6 months	£122,236
TG/18/7/34132	Dr G Quinlan BSc PhD	Imperial College London	Development of a haemolysis triple filter for use in extracorporeal circuits. 3 years	£316,246

Translational Awards (continued)				
TG/18/2/33768	Dr A Chiribiri MBBS PhD FHEA	King's College London	Calibrated multimodality quantitative myocardial perfusion analysis. 2 years	£249,953
TG/18/6/34112	Prof M Peters MBChB PhD MRCP FRCPC	University College London	Pocket CPR-intelligent-feedback-technology to improve delivery of chest compressions. 2 years	£256,700
TG/18/4/33770	Dr A Davenport BSc PhD	University of Cambridge	Hit to lead small molecule biased apelin receptor agonists for the treatment of pulmonary arterial hypertension. 2 years	£297,464
TG/18/3/33773	Prof D Bates BSc PhD FRSB	University of Nottingham	Reversing peripheral vascular disease by targeting anti-angiogenic VEGFs. 2 years	£248,915

Project Grants

Listed alphabetically by Institute

Reference number	Name	Institution	Grant title	Total
PG/18/64/33922	Dr N Pugh BSc PhD	Anglia Ruskin University	Investigation of the mechanisms and significance of secondary zinc messaging in platelets. 3 years	£207,884
PG/18/30/33744	Dr L Hurt MBChB MSc PhD	Cardiff University	The Welsh study of mothers and babies – examining the association between cardiac echogenic foci at the 18-20 week antenatal scan and cardiac disease in early childhood: an electronic record-linked cohort study. 2 years	£188,226
PG/18/41/33813	Dr M Botto MD	Imperial College London	Investigating pro-atherosclerotic low-density neutrophils in hypercholesterolaemia. 2 years	£150,080
PG/19/13/34247	Prof T Brand PhD	Imperial College London	Disease modelling of the POPDC1S201F and the POPDC2W188X mutations associated with cardiac arrhythmia. 3 years	£297,638
PG/18/37/33639	Prof P de Tombe PhD	Imperial College London	Human cardiac myosin light chain 2: functional impact of phosphorylation and deamidation. 2 years	£136,467
PG/19/17/34275	Dr C Rhodes MA (Cantab) PhD	Imperial College London	Investigation of a pulmonary arterial hypertension genetic locus near endothelial transcription factor SOX17. 3 years	£297,564
PG/18/48/33832	Prof P Weinberg MA MSc DIC PhD	Imperial College London	New technology for monitoring heart function by analysing arterial waves: a feasibility study in people. 1 year, 6 months	£177,823
PG/19/19/34286	Dr B Wojciak -Stothard MSc PhD	Imperial College London	Role of Arf6 in endothelial dysfunction in pulmonary arterial hypertension. 3 years	£257,779
PG/18/74/34077	Dr M Bishop MPhys DPhil	King's College London	Guiding clinical anatomical and functional data acquisition for personalised computational cardiac model construction used in patient-specific therapy optimisation. 2 years, 6 months	£152,406

Project Grants (continued)				
PG/19/14/34268	Prof S Brain BSc PhD	King's College London	Elucidating the protective potential of calcitonin gene-related peptide (CGRP) in cardiovascular disease. 3 years	£239,609
PG/18/76/34098	Dr A Brewer BSc PhD	King's College London	The role and regulation of DNA cytosine demethylases in hyperglycaemia-induced endothelial dysfunction. 3 years	£198,636
PG/18/71/34009	Dr A Chiribiri MBBS PhD FHEA	King's College London	Improved prediction of functional recovery after revascularisation using combined assessment of myocardial ischaemia and viability by CMR: pilot study. 3 years	£252,223
PG/18/51/33878	Prof F Dazzi MD PhD	King's College London	Mesenchymal stromal cell apoptosis is required to resolve inflammation and promote tissue repair after myocardial infarction. 3 years	£256,461
PG/19/9/34228	Prof D Perera MB BCHir MA MD FRCP	King's College London	Establishing invasive physiological thresholds for ischaemia in left main coronary artery disease. 2 years	£186,243
PG/18/59/33955	Dr C Prieto BSc MSc PhD	King's College London	Gadolinium-free multi-contrast 3D whole-heart MRI for improved management of patients with congenital heart disease. 3 years	£291,199
PG/19/11/34243	Dr S Roujol PhD	King's College London	Radiation-free magnetic resonance-guided cardiac catheterisation (MRgCAT). 3 years	£298,291
PG/18/43/33688	Prof A Shah MD FRCP FESC FMedSci	King's College London	Targeting Nox2 to improve regulatory T cell function and immune tolerance in heart transplantation. 3 years	£272,283
PG/18/57/33941	Prof H Arthur BSc PhD	Newcastle University	Modulating TGFβ signalling following myocardial infarction to improve heart repair. 3 years	£293,124
PG/18/32/33760	Prof H Arthur BSc PhD	Newcastle University	Role of endothelial fractalkine in angiogenesis and cardiac injury. 2 years	£142,924
PG/18/78/34104	Prof M Pearce BSc MSc PhD	Newcastle University	Radiation doses and associated cancer risks from X-ray guided cardiac catheterisations in children and young adults. 2 years	£127,678
PG/19/15/34269	Dr G Richardson BSc PhD	Newcastle University	Senescence as a potential therapeutic target for ischaemia reperfusion injury following acute myocardial infarction. 2 years	£179,962
PG/19/4/33995	Prof A Ahluwalia BSc PhD	Queen Mary University of London	Inorganic nitrate treatment reduces inflammation in humans: assessment of mechanisms. 2 years, 6 months	£206,297
PG/18/75/34096	Prof K Hodivala -Dilke BSc PhD	Queen Mary University of London	Repurposing low-dose RGD-mimetics for improved heart failure treatment. 3 years	£229,729

Project Grants (continued)				
PG/18/77/34100	Prof K Suzuki MD PhD	Queen Mary University of London	Development of reparative macrophage transplantation for the treatment of myocardial infarction through refinement of current bone marrow mononuclear cell therapy. 3 years	£286,890
PG/18/29/33731	Dr A Margariti BSc MSc PhD	Queen's University Belfast	Investigation of aberrant QKI splicing in diabetes and the specific role of QKI-7 as a novel target to reverse EC dysfunction. 3 years	£264,386
PG/18/69/33870	Prof A Albert BSc MSc PhD PgCert	St George's University of London	Investigation of MARCKS-PIP2-voltage-gated Ca ²⁺ channel pathway in vascular smooth muscle. 3 years	£191,659
PG/18/27/33616	Dr A Asimaki BSc PhD	St George's University of London	Mechanism-targeting re-positioned drugs to fight arrhythmogenic cardiomyopathy. 3 years	£277,954
PG/18/55/33912	Dr V Budhram- Mahadeo BSc (Hons) PhD	University College London	Analysing essential but compensatory roles for transcription factors POU4F1/Brn-3a and POU4F2/Brn-3b in the developing heart using different <i>in vivo</i> models. 3 years	£279,267
PG/18/44/33790	Dr S Davidson BSc PhD	University College London	Protecting the heart with a novel activator of the RISK pathway. 2 years	£185,930
PG/18/45/33814	Prof J Deanfield BA BCHir MB FRCP FESC FACC	University College London	GlycA as a novel biomarker linking bacterial-mediated inflammation to adverse cardiometabolic and cardiovascular traits in the young. 2 years	£144,072
PG/18/34/33785	Dr P Frankel PhD	University College London	The role of CAS family members BCAR1/p130Cas and NEDD9 in angiogenesis. 3 years	£219,109
PG/18/83/34123	Dr I Kadurin PhD	University College London	Regulation of voltage-gated calcium channels by auxiliary alpha-2-delta subunits: physiological implications in vascular smooth muscle cells. 2 years	£160,182
PG/18/85/34127	Prof C Ruhrberg PhD	University College London	A novel progenitor for blood vessel growth. 3 years	£260,265
PG/18/50/33837	Dr A Schmidt PhD	University College London	Evaluating combination therapeutics for CVD prevention using Mendelian randomisation and phenome-wide scans. 3 years	£254,943
PG/18/35/33786	Prof D Dawson DM FRCP DPhil FESC	University of Aberdeen	Physical Exercise and mental wellbeing rehabilitation for Acute StrEss-induced takotsubo cardiomyopathy: the PLEASE trial. 3 years	£298,134
PG/19/12/34244	Prof S Hoppler MSc PhD	University of Aberdeen	Pilot grant: Characterisation of a novel selectable cell-surface regulator of cardiovascular progenitors for stem cell-mediated regeneration. 2 years	£196,428
PG/18/46/33817	Dr A Brill MD PhD	University of Birmingham	Neutrophils and platelets form an inflammatory circuit between inflammasomes and neutrophil extracellular traps: a role in thrombosis. 3 years	£206,323

Project Grants (continued)				
PG/18/58/33944	Dr A Slade PhD MPhil DipCOT	University of Birmingham	Living with an LVAD: measuring health-related quality of life in people living with a left ventricular assist device. 3 years	£230,985
PG/18/49/33833	Prof R Ascione MD ChM FRCS	University of Bristol	Consecutive isoprenaline/adenosine to improve myocardial cardioplegic protection in a porcine model of ischaemic heart failure with superimposed cardiac surgery. 2 years	£299,658
PG/18/84/34124	Dr J Johnson MSc PhD	University of Bristol	Assessing the role of IL-3RA and STAT5A-directed neovascularisation in atherosclerosis and aortic aneurysms. 3 years	£207,109
PG/18/38/33707	Prof P Madeddu MD	University of Bristol	Microfabrication and in vivo testing of small-diameter tissue-engineered vascular grafts. 2 years	£108,491
PG/18/66/33838	Prof P Madeddu MD	University of Bristol	Transferring healthy longevity gene to improve age-related heart dysfunction. 2 years, 6 months	£219,658
PG/19/6/34153	Dr H Jorgensen BSc PhD	University of Cambridge	Mechanisms of selective clonal vascular smooth muscle cell expansion in disease. 3 years	£282,232
PG/18/36/33811	Dr S Jung BSc MSc PhD	University of Cambridge	Defining the GPVI-dimer-fibrin interaction in collagen-independent thrombus formation. 1 year, 3 months	£113,593
PG/18/80/34109	Prof H Markus BM BCh BA FRCP DM	University of Cambridge	Determining the mechanisms by which the HDAC9 genetic risk variant leads to stroke. 3 years	£259,756
PG/18/56/33935	Dr L Kang PhD	University of Dundee	Targeting early extracellular matrix abnormalities to treat cardiac insulin resistance and associated dysfunction. 3 years	£295,241
PG/18/79/34106	Dr G Rena BSc PhD	University of Dundee	Immunometabolic remodelling of monocyte and macrophage responses by metformin in non-diabetic CVD. 3 years	£202,642
PG/18/52/33892	Prof C Berry BSc MBChB PhD FRCP (Glas) FRCP (Edin) FACC FESC	University of Glasgow	The BHF FAMOUS-NSTEMI long-term follow-up study. 2 years	£65,165
PG/19/5/34150	Dr W Fuller BA MA PhD	University of Glasgow	Inhibitory G protein S-acylation as a therapeutic target in heart failure. 3 years	£247,010
PG/18/60/33957	Dr W Fuller BA MA PhD	University of Glasgow	Palmitoylation of the L-type Ca channel pore-forming subunit. 3 years	£298,397
PG/18/47/33822	Prof G Gould BSc (Hons) PhD	University of Glasgow	Development of a model of insulin-stimulated glucose transport in human cardiomyocytes. 1 year, 6 months	£79,627
PG/19/2/34084	Dr R Bon BSc PhD FHEA	University of Leeds	Understanding potent small-molecule inhibition of TRPC1/4/5 channels. 3 years	£203,098

Project Grants (continued)				
PG/19/3/34133	Dr C Ferguson BSc (Hons) PhD	University of Leeds	Objective assessment of fatigue or dyspnoea as the mechanism of exercise limitation in heart failure: implications for individualised therapy. 3 years	£296,900
PG/18/82/34120	Prof M Kearney MB ChB FRCP DM	University of Leeds	Dissecting the role of endothelial insulin-like growth factor-1 signalling in the vascular and metabolic complications of obesity-induced type 2 diabetes mellitus. 3 years	£299,121
PG/18/81/34110	Prof K Naseem BSc PhD	University of Leeds	Characterising CD36 mediated lipotoxicity and metabolic dysfunction in blood platelets. 3 years	£228,045
PG/18/39/33618	Dr A Smith MBChB PhD	University of Leeds	Identifying VEGFR roles in cardiac stem cell contribution to new vascular cell formation. 1 year, 6 months	£97,478
PG/19/1/34076	Dr I Teh PhD MBiomedE BE	University of Leeds	Multidimensional diffusion encoding MRI: novel imaging biomarkers of tissue microstructure in hypertrophic cardiomyopathy. 3 years	£290,640
PG/18/72/34033	Dr S Wheatcroft BSc (Hons) MBChB (Hons) PhD FRCP FESC	University of Leeds	Molecular and translational aspects of IGF binding protein-2 stimulated angiogenesis. 3 years	£290,802
PG/19/20/34284	Prof U Kadam MB ChB MPhil MSc MRCP PhD FFPH	University of Leicester	Using national observational linkage data to investigate cardiovascular risk and outcomes in cancer populations and to develop a risk prediction tool for modifiable prevention targets. 2 years	£107,086
PG/18/54/33896	Prof D Lambert BSc PhD SFHEA FRCA	University of Leicester	Vascular-immune axis in sepsis: nociceptin as an immune derived vasodilator. 3 years	£189,320
PG/18/42/33746	Prof G McCann BSc MB ChB MD	University of Leicester	Diagnostic accuracy of adenosine versus dobutamine stress perfusion cardiovascular magnetic resonance to detect severe coronary artery disease in patients with reduced ejection fraction. 2 years	£158,469
PG/18/33/33780	Prof G Ng MBChB PhD FRCP (Glas) FRCP FESC FHEA FEHRA	University of Leicester	Improving target identification for catheter ablation using dominant frequency and rotor analysis in human persistent atrial fibrillation, using non-contact mapping. 3 years	£92,868
PG/18/73/34059	Prof S Ye MD PhD FRCPATH	University of Leicester	A functional mechanistic study of genetic variants at the coronary artery disease susceptibility locus on chromosome 10q11. 2 years	£200,846
PG/19/18/34280	Dr R Rainbow BSc PhD	University of Liverpool	Investigating sexually dimorphic mechanisms of injury in cardiac ischaemia and reperfusion. 3 years	£247,375
PG/18/28/33632	Dr K Hentges BSc PhD	University of Manchester	Determining the role of PRPF8 in cardiac development. 3 years	£281,616

Project Grants (continued)				
PG/18/67/33891	Dr P Herbert BA PhD	University of Manchester	Transcriptional control of the metabolic switch in angiogenesis. 3 years	£267,317
PG/18/61/33966	Dr A Kitmitto BSc PhD	University of Manchester	Investigation of mitochondrial arrest mechanisms underlying cardiac dysfunction in obesity. 3 years	£199,854
PG/18/40/33767	Dr D Oceandy MBChB PhD	University of Manchester	Does PMCA4 inhibition protect the heart from acute cardiac death following myocardial infarction? 2 years	£160,253
PG/19/16/34270	Prof M Tomaszewski MD FAHA FRCP	University of Manchester	Epigenetic mechanisms of blood pressure regulation and human hypertension: genome-wide methylation analysis of the human kidney. 3 years	£286,100
PG/18/31/33759	Dr A Benest BSc (Hons) PhD	University of Nottingham	Control of endothelial quiescence as a regulator of angiogenesis. 2 years	£127,926
PG/18/70/34003	Prof P Aveyard BSc MBBS MRCP MPH PhD FFPH MRCGP FRCGP	University of Oxford	Improving delivery of brief opportunistic advice for weight loss in primary care. 3 years	£169,488
PG/18/53/33895	Prof R Choudhury MA DM FRCP	University of Oxford	The role of endothelial cell derived extracellular vesicles in monocyte mobilisation and activation in acute myocardial infarction. 3 years	£250,265
PG/18/62/33967	Prof S De Val BSc PhD	University of Oxford	Investigating the regulation of MEF2-driven angiogenesis in the coronary vasculature. 3 years	£260,154
PG/18/65/33872	Prof K Rahimi German State Med FRCP DM MSc	University of Oxford	Investigating the stratified efficacy and safety of pharmacological blood pressure lowering: individual patient-level data meta-analyses of over 300,000 randomised participants in the new phase of the Blood Pressure Lowering Treatment Trialists' Collaboration. 2 years	£158,566
PG/18/68/33883	Prof C Redwood BSc PhD	University of Oxford	Design and evaluation of novel compounds that reverse the increase in myofilament calcium affinity in hypertrophic cardiomyopathy. 2 years	£232,588
PG/19/8/34168	Dr P Tammaro MSc PhD	University of Oxford	Regulation of cerebral blood flow at the capillary level by the TMEM16A channel. 3 years	£250,199
PG/19/7/34167	Prof A Clerk BSc PhD	University of Reading	Effects of MKK1/2 and ERK1/2 inhibitors on cardiac function and hypertrophy. 3 years	£278,614
PG/18/63/33968	Prof P Evans MB ChB PhD FRCR	University of Sheffield	Role of c-Rel NF-kappaB transcription factor in endothelial pathophysiology and atherosclerosis. 1 year, 6 months	£102,090
PG/18/86/34141	Prof P Griffiths MB ChB PhD FRCR	University of Sheffield	MR of the brain in fetuses with congenital heart disease. 3 years	£279,832
PG/19/10/34240	Prof J McVey BSc PhD FRCPATH FRSB	University of Surrey	Expression analysis of tissue factor (TF) expression using a TF-green fluorescent protein knock-in transgenic mouse. 1 year, 6 months	£99,019

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