

**NIHR University College London Hospitals Biomedical Research Centre (BRC) & UCLH Charitable Trustees /  
Clinical Research and Development Committee (CRDC)  
Fast Track Grant Scheme**

**Awards Conferred  
(last 10 years)**

<b>Applicants</b>	<b>Project</b>	<b>Year of Award</b>
Dr Elizabeth Jury, Dr Jessica Manson, Dr Thomas McDonnell	Normal CRP in Patients with active RA; how can we improve outcome?	Sept 2019
Dr Catherine Wilder	Gasdermin D – a novel target for dual protection against acute and chronic effects of cardiac ischaemia and reperfusion injury in human myocardium?	Sept 2019
Dr Reecha Sofat, Dr Dionisio Acosta-Mena	Re-defining stroke biologically to prioritise accurate diagnosis, stratification, prognosis and drug development	Sept 2019
Dr Paul Blair, Dr Madhura Castelino, Dr Vanessa Morris	Assessment of gut permeability and the influence of microbiome on the immunophenotype of patients with psoriatic arthritis(PsA): A pilot study to determine intestinal permeability and the interactions with microbiota and immune response in PsA.	Sept 2019
Dr Su-Ann Yeoh, Prof Michael Ehrenstein, Prof Caroline Dore, Dr Vanessa Morris	Anti-TNF biologic tapering: a proof of concept study to identify biomarkers of remission in rheumatoid arthritis	Mar 19
Dr Crispin Hiley	<b>S</b> tudying <b>I</b> ntra-thoracic tumour and microenvironment <b>E</b> volution following <b>E</b> xternal beam <b>R</b> adiation <b>T</b> herapy (SIEVERT)	Mar 19
Prof Anisur Rahman, Dr Vera Ripoll-Nunez, Dr Robin Ketteler, Dr Janos Kriston-Vizi	Developing activators of autophagy as potential new therapeutic treatments of SLE and APS	Mar 19
Dr Rachel Evans, Prof Amit Nathwani	Development of a Microenvironment Modulating Trispecific Antibody for Targeted Immunotherapy in Chronic Lymphocytic Leukaemia	Mar 19
Dr Marian Galovic, Dr Matthias Koepp, Dr Kris Thielemans	NMDA receptor activation and working memory in health and disease: a simultaneous PET-fMRI study.	Nov 18
Prof. Stephen Pereira, Dr Maria Acedo Nunez	Establishment of patient-derived organoids to improve pancreatic cancer outcomes	Nov 18
Dr Sotirios Bisdas, Dr Shonit Punwani	Feasibility Study of Hyperpolarized 13C MRI in Gliomas and Correlation of the Findings with Metabolic MRI Metrics and Histopathology	Nov 18
Dr Marnix Jansen, Prof Daniel Alexander, Prof Theresa Marafioti	Herd immunity in cancer evolution: unravelling the 3-dimensional architecture of PD-1 checkpoint inhibition to disrupt adaptive immune resistance in MSI+ CRC	Jun 17
Dr Joanna Porter	Investigating the role of the Coagulation Cascade in Idiopathic Pulmonary Fibrosis	Jun-17
Dr Joseph Ndieyira, Dr Reecha Sofat	Nano-pH – Development of Nanosensors for Rapid Ultrasensitive wireless pH sensing and the Making of NG tubes to be safer	Jun-17
Prof Louis Lemieux	Measuring the brain's activity like never before: simultaneous scalp and intracranial EEG-fMRI in humans	Jun-17
Dr Ilona Kubajewska, Dr Gareth Williams	Enhancing vaccine potency using organic-inorganic hybrid polymers	Jul-16

Dr Tim Bray, Prof. Margaret Hall-Craggs	Imaging Biomarkers of Inflammation in Adolescents: Development and Technical Validation	Jun-16
Mr David Choi, Ms Madge Miah	Optimising the culture of human olfactory ensheathing cells from olfactory mucosal biopsies, cell production and application to nerve repair	Jan-16
Dr David Williams, Dr Sara Hillman	The Effect of Paternal Obesity and Weight Loss on Sperm DNA Methylation Profiles and the Potential for Intergenerational Inheritance of Epigenetic Marks	Nov-15
Dr Erik Arstad, Prof Bryan Williams, Prof Ashley Groves	Development of a Novel 18F-labelled Aldosterone Synthase Selective Tracer for Diagnostic Imaging of Aldosterone Producing Adenomas with PET/MR	Apr-15
Dr Josephine Woodhams, Dr James Phillips, Mr Collins Hopper	Could clinical Photochemical Internalisation be optimised to avoid neuronal toxicity?	Apr-15
Dr Martin Pule	Pattern targeting of Cancer Antigens by Engineered T-cells	Aug-14
Dr Karl Peggs	TACTICAL: Memory T-cell Adoptive Cellular Therapy - Improving reConstitution post ALlogeneic transplantation	Jul-14
Dr Kiran Nistala, Prof Claudia Mauri	Restoring regulatory B cell function in autoimmune myositis	Jul-14
Dr Alexander MacRobert, Prof Perry Elliott	Photodynamic cardiomyoplasty: a potential novel management in attenuating left ventricular outflow tract obstruction in hypertrophic cardiomyopathy	Jan-14
Dr L Haddow, Prof Caroline Sabin, Dr Rolf Jaeger, Dr Richard Gilson, Prof Xavier Golahy	Magnetic resonance imaging of cerebrovascular disease in HIV positive people aged over 50	Oct-13
Dr J Hurst, Prof J Brown	Exacerbations of Bronchiectasis: Aetiology and Use of Biomarkers	Oct-13
Dr Francesco D'Aiuto, Dr Derek Hausenloy, Prof John Deanfield	Role of acute inflammation in endothelial dysfunction in a periodontal-treatment model of human inflammation	Oct-13
Dr B Solanky, Dr C Wheeler-Kingshott, Dr O Ciccarelli	In vivo quantification of tissue sodium ( $^{23}\text{Na}$ ) content in the spinal cord	Aug-13
Dr A O'Brien, Prof D Gilroy, Dr J Fullerton	Can albumin reverse immune-suppression in patients with Acute on Chronic Liver Failure?	Jun-13
Prof S Beck, Dr S Stricker	MeRIP: a new method for the genome-wide detection of RNA-methylation	Jun-13
Dr A Schurich, Prof M Maini	Probing T cell tolerisation by hepatic antigen presentation	Jun-13
Dr D Raj	A novel gene transfer approach for therapy of Wilson's disease	May-13
Dr R Jenner	Changes in epigenetic state caused by JAZF1-SUZ12 fusion in endometrial stromal sarcoma	May-13
Dr A Hergovich	Role(s) of the putative tumour suppressor MOB2 in cancer development: Generation of tools to address the cancer susceptibility and tumour spectrum upon MOB2 deficiency	Jan-13
Dr Luigi Nibali, Prof Nikos Donos, Prof Robert Kleta	Infection of the genetic basis of a form of gingival fibromatosis	May-12

Dr A Isaacs	Generation of a cellular model of the frontotemporal dementia – and motor neuron disease-causing repeat expansion in C9ORF72	Mar-12
Dr Laurance Lovat / Dr Adil Butt	Targeted oesophageal cancer optical imaging and therapy with antibody-fragment immunoconjugates	Feb-12
Dr Gabriele Pollara	Anergy and immune reconstitution to Tuberculosis in HIV infection	Jan-12
Dr Matthew Banks	Prevalence of metabolic obesity in patients with Barrett's oesophagus and its potential role in carcinogenesis	Nov-11
Dr Andrei Okorokov	SIRT1 function in mitosis as an essential component for cancer cell proliferation	Nov-11
Dr Frances Wiseman, Dr Nick Beaumont	Proteasome function in Down syndrome	Oct-11
Rahul Patel, Michael Oddy	Rehabilitation following Anterior Cruciate Ligament reconstruction – a randomized controlled trial of a pedobarograph-assisted proprioceptive training programme.	Jun-11
Dr Pam Sonnenberg	The impact of variations in bio-aerosol production on tuberculosis infectivity - a pilot study	May-11
Dr Nicola Robertson, Prof Xavier Golay and Gennadij Raivich	Ischaemic postconditioning: a Novel Neuroprotective Therapy for Perinatal Asphyxia	Apr-11
Dr Matthew Banks, Dr Simona DiCaro	Prevalence of metabolic obesity in patients with Barrett's oesophagus and its potential role in carcinogenesis	Apr-11
Fares Haddad, Fahad Hossain, Shelain Patel	Functional outcomes using a novel portable gait analysis device after TKA: a comparison of the medically confirming 'Ball & Socket' and cam and post articulation designs in posterior stabilised knee implants.	Jan-11
Takehiro Yasukawa	Regulation of mitochondrial DNA D-loop in human health and disease	Oct-10
Lee Butcher, Stephen Beck	Development of a whole-genome assay for a novel epigenetic mark (hydroxymethylcytosine)	Oct-10
Prof Michael Hanna, Dr Shamima Rahman, Dr Robert Pitceathly	Investigation of nuclear encoded mitochondrial proteins and their role in formation of mitochondrial DNA mutations	Jun-10
Dr Sanjeev Kumar, Dr John Cunningham, Dr Mihaela Moody	Remote Ischemic Preconditioning Protects Against Contrast Induced Nephropathy	Mar-10
Dr Rebecca Kristeleit, Dr Jonathon Ledermann, Dr Martin Widschwendter	Integrated epigenomic and genomic profiling of paraffin-embedded endometrial tissue to identify novel therapeutic targets in endometrial carcinoma – a feasibility study	Feb-10
Dr Robert Bell	The role of Src in the recruitment of cardioprotective signaling pathways upon reperfusion following injurious ischemia	Feb-10
Dr Ian Proctor and Professor Gareth Williams	Targetting DNA replication before it starts: Cdc7 as a therapeutic target in breast cancer	Dec-09
Dr Rachel Batterham	<i>Investigation of the effects of bariatric surgery on appetite and gut hormones: A pilot study</i>	May-09
Dr Alia Shimizu	Mechanism of NFkappaB activation by an IKKgamma conformational switch	Apr-09