



Elizabeth Blackwell Institute funded activities 2013			
Applicant/ Principal Investigator(s)	Faculty	School	Project
Clinical Primers			
John Bunni	Medical and Veterinary Sciences	Physiology and Pharmacology	Evaluation of VEGF splice variants in colorectal cancer invasiveness
Wen-yi Ding	Medicine and Dentistry	Clinical Sciences	Identifying novel targets for treating focal segmental glomerulosclerosis
Zoey Robinson	Medical and Veterinary Sciences	Clinical Sciences/ Cellular and Molecular	Cell-based engineering strategies for reconstruction of pelvic floor organs
Michelle Toleman	Medicine and Dentistry	Social and Community Medicine	Risk factors for acquisition of antibiotic resistant bacterial infections
Veterinary primers			
Darren Carwardine	Medicine and Dentistry	Clinical Sciences	Spinal cord regeneration using stem cell based therapies
Cath Lewis	Medical and Veterinary Sciences	Veterinary Medicine	Feline coronavirus evolution
Early Career Fellowships			
Rebecca Pearson	Medicine and Dentistry	Social and Community Medicine (Oakfield House)	The protective role of maternal education on the association between postnatal depression and offspring affective disorders
Elanor Hinton	Medicine and Dentistry	Clinical Sciences; CRIC (+Experimental Psychology)	Understanding how satiety responsiveness impacts on obesity
Allen Haddrell	Science	Chemistry	Controlling the hydroscopic growth of therapeutic aerosols in the respiratory tract for targeted drug deposition in the lung
Johan Verhagen	Medical and Veterinary Sciences	Cellular and Molecular Medicine	Treg cell function and generation in the desensitisation of allergic disease

Catalyst Fund			
Tim Gallagher (Laura Broad)	Science	Chemistry	Establishing a chemical compound collection based on Bristol chemistry
Matt Jones/ Nicholas Timpson/ Jonathan Brooks/ Michael Ashby/ Jade Thai	Medical and Veterinary Sciences/CRIC	CRIC/Experimental Psychology/ Physiology & Pharmacology	Strategic development of a 'Sleep' community in Bristol: Linking sleep phenotypes to psychiatric risk genotypes; the effect of opioids on sleep disturbance and pain; Coordinated clinical and preclinical investigation of the sleeping newborn brain
Neil Marrion/ Mervyn Miles	Medical and Veterinary Sciences/Science	Physiology & Pharmacology/ Physics	Visualisation of ion channel movement during activation to aid intelligent drug design
Thorsten Wagener	Engineering	Civil Engineering	Impact of human Mobility and Hydrological extremes on Infectious Diseases Assessed through Spatially-explicit modelling (MHIDAS) – Pilot project on flooding implications for human mobility and cholera transmission in Bangladesh
Translational Acceleration and Knowledge Transfer (TRACK) Awards			
Kevin Gaston	Medical and Veterinary Sciences	Biochemistry	Production and characterisation of a phosphor-PRH monoclonal antibody
Ariel Blocker	Medical and Veterinary Sciences	Cellular and Molecular Medicine	Pilot studies for generating peptide-based inhibitors of virulence-associated bacterial type III secretion systems (T3SS)
George Banting	Medical and Veterinary Sciences	Biochemistry	Tetherin as a non-invasive biomarker for breast cancer with metastasis to bone
Julian Paton	Medical and Veterinary Sciences	Physiology & Pharmacology	Novel physiological pacemaker device for improving cardiac output in heart failure
Emma Robinson	Medical and Veterinary Sciences	Physiology & Pharmacology	Evaluation of an automated rodent assay of emotional behaviour for depression research and safety pharmacology
Emma Clark	Medicine and Dentistry	Clinical Sciences	Using women's experience of back pain to discriminate between older women with and without osteoporotic vertebral fractures
Jaap Velthuis	Science	Physics	A novel sensor system for Intensity Modulated Radiotherapy
Senior Fellowships			
Paul Warr	Engineering	Electrical and Electronic Engineering	Magnetic Resonance Expertise and Instrumentation Enabling UK-unique Translational Research in Neuroscience and Neuroimaging'

Career break/ Women returners to work			
Nina Kazanina	Science	Experimental Psychology	Audiovisual processing in Alzheimer's disease patients
Maeve Caldwell	Medicine and Dentistry	Clinical Sciences	Developing a novel model of Parkinson's disease using alpha-synuclein
Chrissy Hammond	Medical and Veterinary Sciences	Biochemistry/ Physiology & Pharmacology	Developing zebrafish models for the rheumatoid arthritis using TALEN technology
Bio-E Initiative Round 1			
John Day	Science	Physics	In vivo assessment of subcutaneous injection site events using a micro-array of optical fibres
Lindsay Nicholson (Co PI Alin Achim)	Medical & Veterinary Sciences & Engineering	Cellular & Molecular Medicine/ Clinical Sciences/ Electrical & Electronic Engineering	Computer assisted analysis of ocular imaging
Gavin Welsh	Medicine & Dentistry	Clinical Sciences	Translational systems biology approach to investigate the mechanism of steroid resistance in nephrotic syndrome
Bio-E Initiative Round 2			
Paul Verkade	Medical and Veterinary Sciences	Biochemistry	A single probe to combine two imaging modalities
Bo Su (Co PI Sean Davis, Jim Middleton & Terrence McMaster)	Med & Dent & Science	Oral & Dental Sciences/ Chemistry/ Physics	Regulation of Stem Cell differentiation by Modelling and Tuning of Stiffness of Nanofibrous scaffolds
John Day	Science	Physics	The detection of brain tumours by laser Raman spectroscopy.
Emma Hart (Co PI Julian Paton)	Medical and Veterinary Sciences	Physiology & Pharmacology	Developing quantitative fMRI: a tool to measure cerebrovascular function in the human brainstem.
Lindsay Nicholson (Co PI Alin Achim)	Medical and Veterinary Sciences & Engineering	Cellular & Molecular Medicine/ Clinical Sciences/ Electrical & Electronic Engineering	Automated texture analysis of optical coherence tomography images
Bio-E Initiative Round 3			
Professor Fabrizio Scarpa (Co PI Dr Ian Farrow)	Engineering	Aerospace Engineering	Auxetic foams for dynamic load alleviation in MS patients'
Dr. Tom Scott (Co PI Prof. Ashley Blom)	Science & Medical & Veterinary Sciences	Physics/ Clinical Sciences	Phosphonate-tethered lysophosphatidic acid-functionalised titanium: a novel surface finish for bone regenerative applications

Facilities and resources			
	Medical and Veterinary Sciences		New zebrafish facility
	Science		A third generation DNA sequencer for the Transcriptomics Facility
	Medical and Veterinary Sciences/Medicine and Dentistry		A flow cytometer, proteolytic digestion workstation and MRI scanner upgrade
Public engagement and Public and Patient Involvement			
Richard Apps	Medical and Veterinary Sciences	Physiology & Pharmacology	Bristol Neuroscience 10th Anniversary