



Elizabeth Blackwell Institute Funded Projects 2020

Applicant/Principal Investigator(s)	Faculty	School	Project
Clinical Primers			
Sara Hillyer	Health Sciences	Bristol Medical School - Translational Health Sciences Dept	The effects of Sildenafil on the glomerular endothelium in ischaemic kidney injury
Neelam Hassan	Health Sciences	Bristol Medical School - Translational Health Sciences Dept	Identification of Novel Drug Targets for Osteoporosis through Characterisation of the Genetic Basis of High Bone Mass
Philippa Clery	Life Sciences	Psychological Science	Does attachment style in childhood predict mental health difficulties in early adulthood?
Early Career Fellowship Scheme			
Agnes Arnold-Forster	Arts	History/Humanities	Working and Feeling in the Modern British Hospital
Oliver Wilkinson	Life Sciences	Biochemistry	Highway to HELB: elucidating the structure and mechanism of a helicase which regulates the repair of broken DNA
EBI/Daphne Jackson Trust Fellowship			
Claire Woodall	Health Sciences	Bristol Medical School - Population Health Sciences Dept	Unravelling the microbiome in individuals with seasonal respiratory tract infections (RTIs): a feasibility study
Bridging Funds for Research Fellows			
Parthive Patel	Life Sciences	Cellular & Molecular Medicine	Stress Signalling in Intestinal Maintenance and Regeneration

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EBI/Rosetrees Mental Health Research Funding Call			
Jennifer Cooper	Health Sciences	Bristol Medical School	Forecasting the effects of COVID-19 on patient experience and service delivery across a whole mental health system: a computer simulation study
Bruce Hood	Life Sciences	Psychological Science	Evaluation of an Online Science of Happiness (OSoH) Course on Student Mental Well-Being
Michelle Farr	Health Sciences	Bristol Medical School	Mobile Technology For Survivors Of Modern Slavery And Human Trafficking: Impacts On Mental Health And Well-Being
Alex Kwong	Health Sciences	Bristol Medical School	The long term impact of COVID-19 on mental health: comparisons between health record linkage and observed longitudinal data
Felicity Sedgewick	Social Science & Law	Education	The impact of COVID-19 and distance learning on undergraduate students' resilience and psycho-social wellbeing: A three-stage study to explore, implement, and evaluate effective strategies to build student community
Post Graduate Discipline Hopping Fellowships			
Chloe Slaney	Health Sciences	Bristol Medical School - Population Health Sciences Dept	The effect of inflammation on cognitive processing
Identifying Candidates for Wellcome Trust Investigator Award			
Bethan Lloyd-Lewis	Life Sciences	Cellular & Molecular Medicine	The impact of age and parity on mammary epithelial cell plasticity

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Translational Acceleration and Knowledge Transfer (TRACK) Awards			
Andrew Dick	Health Sciences	Bristol Medical School - Translational Health Sciences Dept	IL-33 therapy for atrophic AMD
Laura Rivino	Life Sciences	Cellular & Molecular Medicine	Immune correlates of hyperinflammation and protective immunity
Global Public Health Rapid Response Call			
Eric Herring	Social Science & Law	Sociology, Politics & International Studies	COVID-19 response and sustainable development in Somalia/Somaliland
Celia Gregson	Health Sciences	Bristol Medical School	SARS-CoV-2 screening as part of new occupational health checks for front-line health care workers in Harare, Zimbabwe
Laura Johnson	Social Science & Law	Policy Studies	Staying active at home: the impact of COVID-19 movement restrictions on physical activity in a low-income semi-rural population
David Gordon	Social Science & Law	Policy Studies	Estimating the vulnerability of African girls and their families to Covid-19 infections
Dee Knipe	Health Sciences	Bristol Medical School - Population Health Sciences Dept	COVID-19 and self-harm in Sri Lanka
Ross Booton	Health Sciences	Bristol Vet School	Estimating the impact of COVID-19 on HIV transmission and control among men who have sex with men in China
Josephine Walker	Health Sciences	Bristol Medical School - Population Health Sciences Dept	Epidemiology and transmission of COVID-19 in cases and close contacts in Georgia
Jian Zhao	Health Sciences	Bristol Medical School - Population Health Sciences Dept	Children and adolescents' mental health and association with sleep pattern during the COVID-19 pandemic

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MRC Confidence in Concept Awards			
Martin Cryan	Engineering	Department of Electrical and Electronic Engineering	Feasibility Study for Microfluidic Fluorescence Based Diagnosis System for Covid-19
Mojtaba Dorri	Health Sciences	Bristol Dental School	NOVel patient shield (NOVID)
Jonathan Reid	Science	Chemistry	The Transmission of Pathogens in Droplets and Aerosols: Is SARS-CoV-2 Airborne?
Darryl Hill	Life Sciences	Cellular & Molecular Medicine	The antiviral effect of monocaprin on SARS-CoV-2 version 2
Alastair Poole	Life Sciences	Physiology, Pharmacology & Neuroscience	Development of a novel scalable system to generate platelets for transfusion
Eva Sammut	Health Sciences	Bristol Medical School - Translational Health Sciences Dept	Feasibility, safety and efficacy of a novel device restoring respiratory sinus arrhythmia in a novel ovine model of dyssynchronous ischaemic heart failure"

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Rapid Response Call (COVID-19)			
Finn, Adam	Life Sciences	Cellular & Molecular Medicine	Setting up quantitative realtime PCR testing for CoV2
Berger, Imre	Science/Life Sciences	Chemistry/Biochemistry	ADDomer-COVID19 VLP vaccine to combat and defeat COVID19 outbreak
Sauchelli Toran, Sarah	Health Sciences	Bristol Dental School	Digitalising diabetes support groups in response to the coronavirus COVID-19 outbreak.
Hill, Darryl	Life Sciences	Cellular & Molecular Medicine	Understanding the immunomodulatory effects of BCG on subsequent exposure to SARS-CoV2 in human mucosal cells using air liquid interface models
Davidson, Andrew	Life Sciences	Cellular & Molecular Medicine	Imaging platform for rapid antiviral and neutralising antibody assays against SARS-CoV-2
Rivino, Laura	Life Sciences	Cellular & Molecular Medicine	Hyperinflammation and immunity in COVID-19: establishing a robust and safe immunophenotyping methodology
Christensen, Hannah	Health Sciences	Bristol Medical School	Social contacts and mixing patterns under COVID19 social distancing measures
Lewandowsky, Stephan	Life Sciences	Psychological Science	Social Licensing of Privacy-Encroaching Policies to Address COVID
Spencer, James	Life Sciences	Cellular & Molecular Medicine	In silico screening for approved drug repurposing for COVID-19 using the Bristol University Docking Engine (BUDE)
Timpson, Nicholas	Health Sciences	Bristol Medical School	Extraordinary COVID_19 questionnaire – Avon Longitudinal Study of Parents and Children (ALSPAC)

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Matthews, David	Life Sciences	Cellular & Molecular Medicine	Nanodrop spectrophotometer for quality checking extracted RNA prior to sequencing
Hood, Bruce	Life Sciences	Psychological Science	Remote nudging as a way to support mental well-being during social isolation
Brooks-Pollock, Ellen	Health Sciences	Bristol Veterinary School	Healthcare seeking behaviour and contact patterns during the COVID-19 pandemic: informing predictive modelling
Coggon, John	Social Science & Law	Bristol Law School	COVID-19: Explaining the Legal and Ethical Dimensions and Providing Professional and Public Guidance
Fisher, Harriet	Health Sciences	Bristol Medical School	Understanding the impact on, and experiences of, young people during the COVID-19 pandemic
Wong, Katie	Health Sciences	Bristol Medical School	The experiences of the UK Chinese during the COVID-19 pandemic: A qualitative analysis
Emma Williamson	Social Science & Law	Policy Studies	The Impact of the Covid19 pandemic on domestic violence and abuse (DVA) in England
Wooldridge, Linda	Health Sciences	Bristol Veterinary School	Identification of T-cell epitopes using a novel MHC-binding prediction tool for the generation of tools to study the T-cell response against SARS-CoV-2
Huxtable, Richard	Health Sciences	Bristol Medical School	COVID-19 Clinical Ethics Support (CCES)
Wenham, Lucy	Social Science & Law	Education	Impacts on school students' mental health, in light of the Covid-19 pandemic
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Cullen, Pete	Life Sciences	Biochemistry	Investigation of SARS-CoV-2 S interaction with Neuropilins, a novel gateway for infection?
West, Karen	Social Science & Law	Policy Studies	Virtual Compassionate Communities for Extraordinary Circumstances
Anderson, Emma	Health Sciences	Bristol Medical School	Covid-19: Helping pregnant women adhere to behavioural restrictions
Woolfson, Dek	Science/Life Sciences	Chemistry/Biochemistry	Structure-function studies of the SARS-CoV-2 Envelope (E) Protein
Booton, Ross	Health Sciences	Bristol Veterinary School	Real-time Mathematical Modelling of COVID-19 in South West England
Reid, Jonathan	Science, Health Science and Life Science	Schools of Chemistry, Veterinary School and Cellular and Molecular Medicine	Is SARS-CoV-2 Airborne?
Zhang, Juan	Arts	Arts	COVID Connections: Building Community Resilience through Online Creativity among Bristol's Vulnerable Youth
Collinson, Ian	Life Sciences	Biochemistry	Characterisation of the dynamic interaction of COVID19 spike protein with the human receptor ACE2
Hamilton, Fergus (Debbie Sharp)	Health Sciences	Bristol Medical School - Population Health Sciences	Diagnostic and Severity Markers of COVID-19 to Enable Rapid triage (DISCOVER) study
O'Kane, Aisling	Engineering	School of Computer Science, Electrical and Electronic Engineering, and Engineering Maths	Exploring the use and acceptance of Amazon Echo Show for health, care and wellbeing needs for residents and carers during self-isolation
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Pearson, Rebecca	Health Sciences	Bristol Medical School - Population Health Sciences	The impact of public health measures adopted to control the COVID-19 pandemic on mental health of family members, family interactions and home environments
Lasseter, Gemma	Health Sciences	Bristol Medical School - Population Health Sciences	Use of digital technologies and self-reported loneliness by older individuals self-isolating during COVID-19
Maddedu, Paolo	Health Sciences	Bristol Medical School – Translational Health Sciences	COVID-19 S-protein binding to ACE2 negatively impacts on human cardiac pericyte function – a mechanism potentially involved in cardiac and systemic microvascular failure.
Evans, Jonathan	Health Sciences	Bristol Medical School - Population Health Sciences	On line mental well being management for pregnant women during COVID-19
Hines, Lindsey	Health Sciences	Bristol Medical School - Population Health Sciences	Living Under Covid and Injecting Drugs in Bristol (LUCID-B)
Halliday, Alice	Life Sciences	Cellular & Molecular Medicine & Biochemistry	Understanding the serological responses to SARS-CoV-2
Thomas, Amy	Health Sciences	Bristol Vet School	Detection of SARS-CoV-2 immune responses in saliva
Wooldridge, Linda	Health Sciences/Life Sciences	Bristol Veterinary School/School of Cellular & Molecular Medicine	Peptide Libraries for the study of Immunity in COVID-19
Karlsen, Saffron	Social Science & Law	School of Sociology, Politics and International Studies	Understanding the Health and Social Impacts of Covid-19 on BAME communities in Bristol and the South West
Schaffitzel, Christiane	Life Sciences	Biochemistry	Electron cryo-microscopy of SARS-CoV-2 spike protein variants and the ADDomer-SARS-CoV-2 / human ACE2 super-complex
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Galan, Carmen	Science	Chemistry	Small Molecule Drug Antivirals to Combat COVID-19
Berger, Imre	Life Sciences/ Science	Biochemistry/Chemistry	Ultrahigh affinity synthetic nanobodies specific for SARS CoV2 epitopes by Darwinian in vitro selection/evolution using Ribosome Display
Halford, Susan	Social Science & Law	School of Sociology, Politics and International Studies	Digital Inequality – COVID and beyond
Long, Anna	Health Sciences	Bristol Medical School – Translational Health Sciences	Optimisation and validation of a luminescence immunoprecipitation system based assay for SAR-COV-2 IgA and IgM antibodies
Pickering, Tony	Life Sciences	Physiology, Pharmacology & Neuroscience	Quantitation the relative risks of Bioaerosolisation from ‘Aerosol Generating Procedures’ in the Hospital Operating Theatre environment
Denholm. Rachel	Health Sciences	Bristol Medical School	Diagnosis and management of infectious disease in primary care during the COVID-19 lockdown: changes in antibacterial and antiviral use
Laing, Judy	Social Science & Law	Law	Strengthening monitoring of the treatment and well-being of persons deprived of their liberty during the Covid-19 response
Murphy, David	Health Sciences	Bristol Medical School – Translational Health Sciences	The SARS-CoV-2 RNA-binding Nucleocapsid protein: a potential therapeutic target?
Wooldridge, Linda	Health Sciences/Life Sciences	Bristol Veterinary School/Cellular & Molecular Medicine/ Biochemistry	Defining naturally processed and presented SARS-CoV-2 T-cell epitopes to facilitate the development of next generation ADDomer vaccines
Attwood, Meg	Life Sciences	Psychological science	Investigating the impact of a global pandemic (COVID-19) on adolescent anxiety and cognitive function
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Drake, Marcus	Health Sciences	Bristol Medical School – Translational Health Sciences	Understanding the perceived impact of service changes due to Covid-19 on adults and children with incontinence
Foster, Becky	Health Sciences	Bristol Medical School – Translational Health Sciences	A multifactoral approach to prevent binding and fusion of SARS-CoV-2 in a variety of permissible cells
Thom, Howard	Health Sciences	Bristol Medical School	Cost-effectiveness of the UK covid-19 response
Lucas, Patricia	Social Science & Law	Policy Studies	Emergency food responses to the COVID-19 pandemic. A case study of provision in Bristol
Yamauchi, Yohei	Life Sciences	Cellular & Molecular Medicine	The impact of neuropilins in SARS-CoV-2 infection
Woolfson, Dek	Science	Chemistry	Non-invasive Characterisation (Diagnosis & Prognosis) of COVID-19 Respiratory Infection
Hers, Ingeborg	Life Sciences	Physiology, Pharmacology & Neuro	Underlying mechanisms of thrombosis in patients with Covid-19
Davidson, Andrew	Life Sciences	Cellular & Molecular Medicine	The development of a virus pseudotype assay to quantify SARS-CoV-2 neutralising antibodies
Papadaki, Angeliki	Social Science & Law	Policy Studies	Do Meals on Wheels deliver more than just meals? Exploring the experiences of community service providers delivering meals to self-isolating adults during COVID-19
Toye, Ash	Life Sciences	Biochemistry	Characterisation of SARS-CoV-2 anti-N protein antibodies
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Harper, Helen	Life Sciences	Biological sciences	Development of a genomics tool for SARS-CoV-2 lineage identification to enhance the UK's test and trace capabilities
Gillespie, Kathleen	Health Sciences	Bristol Medical School – Translational Health Sciences	The CTC-19 study: prevalence of antibodies to SARS-CoV-2 in young people in Bristol
Rice, Claire	Health Sciences	Bristol Medical School – Translational Health Sciences	Visualising vasculopathy in COVID-19 using portable fundoscopy
Bright, Phillip	Life Sciences	Cellular & Molecular Medicine	Transcriptomic analysis of immune responses in COVID-19 by Nanostring
Fisher, Harriet	Health Sciences	Bristol Medical School - Population Health Sciences	Supporting vulnerable young people during the pandemic and beyond: The response of youth organisations
Blair, Allison	Life Sciences	Cellular & Molecular Medicine	Using dexamethasone in delivery vehicles with small molecule antivirals to combat COVID-19
Warne, Naomi	Health Sciences	BMS-PHS	Exploring self-harm and disordered eating as risk factors for poorer mental health during the COVID-19 pandemic
Goenka, Anu	Life Sciences	Cellular & Molecular Medicine	Understanding heterogenous COVID immune responses in children: from pauci-symptomatic to severe Kawasaki-like multisystem inflammatory disease