



Elizabeth Blackwell Institute Funded Projects 2025

Applicant/Principal Investigator(s)	Faculty	School	Project
AI in Health Awards			
Round 2			
James Hodge (Co-I Sam Amin, Qiang Liu, Thiloka Ratnaike, Bethan Vaughan)	Health & Life	Physiology, Pharmacology and Neuroscience	Feasibility of Artificial Intelligence (AI) for Patient Registries
Asme Boussahel (Co-I Qiang Liu)	Health & Life	Cellular & Molecular Medicine	Cryptic Chatter: Decoding Multicellular Interactions with AI Microscopy
Jeff Clark (Co-I Alexander Hepburn, Raúl Santos-Rodríguez)	Science & Engineering	School of Engineering Mathematics and Technology	Quantifying explainable AI interpretability for healthcare settings
Jess Wheeler (co-I Jon Ives, Huw Day, Raul Santos-Rodriguez, Sabi Redwood, Mari-Rose Kennedy, Lucy Condon, Samira Mussa)	Health & Life	Bristol Medical School	Using generative AI (language models) in qualitative health research: Building collaborations and developing a framework to securely test and evaluate the use of generative AI in qualitative health research, and impacts on people who are part of minoritised, marginalised communities and most impacted by health inequalities?
David Murphy (Co-I Jon Lees, Sarah Pearce)	Health & Life	Bristol Medical School	AI Prediction Of Peptide Ligand-surfacome Interactions – Proof Of Concept
Round 3			
Petra Fischer (Co-I Conor Houghton)	Health & Life Sciences, Science & Engineering	School of Psychology and Neuroscience, Engineering Mathematics and Technology	AI-assisted personalisation of neurostimulation
Darryl Hill (Co-I Sean Davis)	Health & Life Sciences, Science & Engineering	Cellular & Molecular Medicine, Chemistry	Rational AI Driven Target Acquisition from Genomes (RAIDTAG)
James Armstrong (Co-I Qiang Liu)	Health & Life Sciences,	Bristol Medical School, Engineering	AI-Organoid: A Smart Predictive Platform for Advanced Neurological Modelling

	Science & Engineering	Mathematics and Technology	
Tom Dudding (Co-I Qiang Liu Sarah Hargreaves Miranda Pring)	Health & Life Sciences, Science & Engineering	School of Engineering Mathematics and Technology, Bristol Dental School	Predicting PD-L1 Status From H&E Slides Using AI
Wael Kafeniah (Co-I Lucia Marucci, Darryl Hill)	Health & Life Sciences, Science & Engineering	Biochemistry & Cellular & Molecular Medicine, School of Engineering Mathematics and Technology,	An AI-integrated lung-on-a-chip platform for the rapid screening and optimisation of mesenchymal stem cell secretome therapeutics
Alice Halliday (Co-I Colin Campbell, Rachel Bromell, Anu Goenka, Sion Bayliss)	Health & Life Sciences, Science & Engineering	Biochemistry & Cellular & Molecular Medicine, Engineering Mathematics and Technology, Bristol Medical School, Bristol Vet School	Genetic Doppelgangers: Using AI to Reveal the True Face of Streptococcal Disease
Deepali Pal (Co-I Colin Campbell, Stephen Cross, Rihuan Ke)	Health & Life Sciences, Science & Engineering	Biochemistry & Cellular & Molecular Medicine, Engineering Mathematics and Technology, Wolfson Bioimaging Unit, School of Mathematics	An Integrated AI and machine learning platform to enable high throughput, precision oncology driven drug testing.
Natalie Blencowe (Co-I Michael Wray, Anni King, Sheraz Marker, Nainika Meno)	Health & Life Sciences, Science & Engineering	Bristol Medical School, Computer Sciences, Bristol Medical School	Automated image analysis to facilitate the incorporation of quality assurance measures into surgical RCTs
Karen Luyt (Co-I Edwin Simpson, Brian Hoy, James Gospill, David Odd)	Health & Life Sciences, Science & Engineering	Bristol Medical School, Engineering Mathematics and Technology, Bristol Medical School, Electrical, Electronic and Mechanical Engineering, Cardiff University - School of Medicine	Explainable AI for Early Categorisation of Child Deaths: Real-Time Insights for Prevention
Andrew Dowsey (Co-I Raul Santos-Rodriguez, Marcell Wac)	Health & Life Sciences, Science & Engineering	Bristol Vet School, Engineering, Mathematics & Technology	Bristol Respiratory Infection Dashboard (BRID Project)