

## Summary list of projects

Lead Name	Institution	Project Title	Funding
Ahmad B. Albadarin	University of Limerick	Engineered Inhalable Antiviral-Composites for Pulmonary Delivery with Optimal Therapeutic Outcomes	€255,731
Alberto Alvarez-Iglesias	National University of Ireland, Galway	Quantifying the Effects of Public Health Interventions in Ireland	€53,205
Barry Kevane	University College Dublin	COVID-19 coagulopathy and thrombosis: Novel prognostic and therapeutic opportunities: The COCOON study	€293,877
Bryan Hennessy	RCSI University of Medicine and Health Sciences	Detection of COVID-19 infection using exhaled breath condensate	€57,181
Carl Scarrott	National University of Ireland, Galway	Early detection of secondary waves of COVID-19 infection	€41,803
Charles Spillane	National University of Ireland, Galway	A rapid high-throughput CRISPR-Cas13a diagnostic platform for COVID-19 diagnostics	€125,809
Clair Gardiner	Trinity College Dublin	Immune genes, protective immunity and improved vaccine design	€262,613
Colin Doherty	Trinity College Dublin	Analysing blood-brain barrier integrity to inform on protection from COVID-19 associated encephalopathy.	€65,189
Conor McGinn	Trinity College Dublin	Protect Against COVID using Robot-Assisted Ultraviolet Disinfection (PACRAUD)	€164,662
Darach Ó Ciardha	Trinity College Dublin	Tracking COVID19 and identifying patients at high risk of contracting COVID-19 using GP data.	€45,847
Derek O'Keeffe	National University of Ireland, Galway	An Innovative Digital Acoustic Biomarker for COVID-19	€125,649
Dermot Brougham	University College Dublin	Next Generation Magnetic Beads for enhanced viral RNA detection and improved COVID-19 Testing, Securing Supply, Improving Performance.	€85,649
Donal O'Shea	RCSI University of Medicine and Health Sciences	National Roadmap for Facial PPE Sterilization	€163,496
Eilish McAuliffe	University College Dublin	Expanding Care Capacity through Remote Monitoring of COVID-19 patients	€217,549
Elaine Kenny	Trinity College Dublin	Rapid and adjustable population-scale diagnostics via Next Generation Sequencing (NGS)	€286,075
Emmanuel J. Ekoi	Dublin City University	Applying Surface Engineering to PPEs in the Fight against COVID-19	€101,970

Gerard O'Connor	National University of Ireland, Galway	Measurement inspired laser fabrication of aerosol filter materials.	€137,003
Gregory O'Hare	University College Dublin	COMBAT: (COVID-19 Modelling through agent-BAsed Techniques)	€303,424
Hossein Javidnia	Trinity College Dublin	Investigating Psychological and Social Effects of COVID-19: A Call for Action	€58,567
Irina Tal	Dublin City University	PRIVATT - Assessing Irish Attitudes to Privacy in Times of COVID-19	€72,583
Isabel Rozas	Trinity College Dublin	Blocking SARS-CoVid2 infection by inhibiting the TMPRSS2 protease	€57,494
James Jones	University College Dublin	Manufacture of novel COVID-19 Laryngoscopes for airway intubation	€54,708
James Sweeney	University of Limerick	The Health and Economic Impacts of COVID-19 Control Measures	€54,243
Jane Suiter	Dublin City University	The COVID-19 Irish Citizens' Online Forum	€85,514
John MacSharry	University College Cork	Saliva sampling for the detection and diagnosis of COVID-19	€108,559
Katriona O'Sullivan	National University of Ireland, Maynooth	DreamSpace: Bringing STEAM Education to homes across Ireland	€35,170
Liam O'Mahony	University College Cork	Identify Diagnostic Biomarkers to Predict and Treat COVID-19 Sepsis	€246,042
Madeleine Lowery	University College Dublin	Home monitoring of respiration in COVID-19 patients using smartphone technology	€143,685
Michael Gilchrist	University College Dublin	Development of Plastic Packaging and Film Resistant to Covid-19	€155,073
Michael Prentice	University College Cork	Novel airborne surveillance of SARS-CoV2 in healthcare and airport environments.	€79,585
Muhammad Atif Qureshi	Technological University Dublin	RCES: Rapid Cues Exploratory Search Using Taxonomies For COVID-19	€75,648
Niall O'Leary	University College Cork	COVID-19 community wide surveillance via wastewater based epidemiology (WBE)	€44,876
Niall Smith	Cork Institute of Technology	MASK: Making Aerosol Safety Known!	€58,916
Niamh Gilmartin Steve Meaney	Technological University Dublin	AptaGold – A rapid saliva-based COVID-19 screening assay	€256,428

Paddy Mallon	University College Dublin	Detection and quantification of neutralising antibodies against COVID-19 infection.	€220,312
Paul Cahill	Dublin City University	ACE-2 primed human MSCs-derived extracellular vesicles (EVs) to treat critically ill COVID-19 patients.	€175,457
Paul Leonard	Dublin City University	Antibody-based testing hub for serological assay validation	€87,124
Paul O'Toole	University College Cork	COVIDBIOME: Microbiome-based biomarkers of COVID-19 disease outcomes	€309,007
Peter Davern	University of Limerick	Development of user-friendly scalable manufacturing process for guanidine thiocyanate	€78,000
Stephen Daniels	Dublin City University	Airborne environmental indicators of airborne COVID-19 in hospitals	€185,049
Zena Moore	RCSI University of Medicine and Health Sciences	Preventing Healthcare Staff Facial Pressure Ulcers in a COVID-19 ICU	€63,911