



Disruptive Technologies Innovation Fund (DTIF) – Awards under Call 2 (2019)

Projects awarded between €5 and €10 million in DTIF funding

Project Title and Summary	Consortium Members	Research Priority Area	Regional Location	Total DTIF Award (in principle*)
Developing inhaled bioengineered exosome therapeutics, delivered by tailored aerosol delivery technology for the treatment of Chronic Obstructive Pulmonary Disease (COPD).	OmniSpirant Ltd; Aerogen Ltd; National University of Galway, CCMI.	Health and Wellbeing	OmniSpirant - Tipperary / Aerogen - Galway	€9.4m
Quantum Computing in Ireland: A Software Platform for Multiple Qubit Technologies, to explore their potential to address challenging problems arising in areas such as financial services, logistics or drug discovery.	IBM Ireland Ltd; Tyndall National Institute; University College Dublin; National University of Ireland Maynooth; Rockley Photonics Ireland Ltd; MasterCard Ireland Ltd; Equal 1 Laboratories	ICT	Rockley / Equal 1 Labs - Dublin	€7.3m

FerrTest , Point-of-care iron stores / Ferritin testing for at-risk blood donors, women and children.	Radisens Diagnostics Ltd (RAG); Irish Manufacturing Research (IMR); Poly Pico Technologies Ltd (POLY); Trinity College Dublin	Health and Wellbeing	Radisens - Cork / Poly Pico - Galway	€7.0m
Data-center Audio/Visual Intelligence on-Device (DAVID) , will develop 'privacy by design' AI platform, capable of multi-modal, ultra-low power consumption, 'data centre' level processing of audio and vision data on-device, without need to transmit any personal data to the cloud.	Fonation Limited; Soapbox Labs Limited; National University of Ireland (NUIG)	ICT	Fonation - Galway / Soapbox - Dublin	€6.9m

Projects awarded between €3 and €5 million in DTIF funding

Project Title and Summary	Consortium Members	Research Priority Area	Regional Location	Total DTIF Award (in principle*)
Pharma Latch: A disruptive microneedle drug delivery platform	Latch Medical Limited; Blueacre Technologies Limited; TheraDep Limited;	Health and Wellbeing	Latch - Dublin / Blueacre - Louth / TheraDep - Cork	€4.4m

	University College Dublin			
STROKE-CIS , developing Clot Ingestion System medical technology to treat stroke	Perfuze Limited; Teleflex Limited; VistaMed Limited	Health and Wellbeing	Perfuze - Galway / Teleflex - Limerick / VistaMed - Leitrim	€4.4m
Blockchain and AI-Enabled Stratified Trial System , a highly secure blockchain-enabled, trustworthy and GDPR-compliant platform that matches patients with clinical trials, based on their personalised clinical and genetic data, ensuring complete patient control and ownership of that data and providing a future share of any value derived from this sharing.	The Royal College of Surgeons in Ireland; Ergoservices Ltd; Microsoft Ireland Operations Ltd; Singularity Alpha Ltd.	Innovation in Services and Business Processes	Ergoservices / Singularity - Dublin	€3.9m
FreeSpace project will revolutionize wireless connectivity with ultra-high capacity wireless laser communication technology that delivers an	mBryonics Ltd; Pilot Photonics Ltd; OEWaves Global Ltd; DCU; Trinity College;	ICT	mBryonics - Galway / Pilot Photonics - Dublin / OEWaves - Dublin	€3.6m

unprecedented combination of bandwidth, availability and distance without the need for spectrum licensing.				
Transfer print technology for heterogeneous integration of components TAPESTRY , for the micro-assembly of advanced electronic and photonic components leading to sophisticated and compact subsystems for use in sensing and communication applications.	Tyndall National Institute; X Celeprint Ltd; Rockley Photonics Ireland Ltd; Analog Devices International Unlimited Company	Manufacturing and Materials	X Celeprint / Rockley - Dublin / Analog Devices - Limerick	€3.6m
EyeVU , will deliver a disruptive, miniaturised "eyeball" endoscope camera, which will allow clinicians to see around corners, with unparalleled precision.	Tympany Medical Ltd; University College Dublin; Gentian Services; NCAD;	Health and Wellbeing	Tympany - Galway / Gentian - Clare	€3.2m

Projects awarded between €1.5 and €3 million in DTIF funding

Project Title and Summary	Consortium Members	Research Priority Area	Regional Location	Total DTIF Award (in principle*)
---------------------------	--------------------	------------------------	-------------------	----------------------------------

<p>Next Generation Heat Pump for Affordable Decarbonisation of Heating, through the development of a zero-emission, refrigerant-free heat pump</p>	<p>Exergyn Ltd; Dublin City University; Fort Wayne Metals Ireland Ltd</p>	<p>Energy, Climate Action and Sustainability</p>	<p>Exergyn - Dublin / Fort Wayne - Mayo</p>	<p>€2.4m</p>
<p>Haemodialysis Outcomes & Patient Empowerment (HOPE), an AI enabled software medical device & wearable device that will empower kidney dialysis patients to self manage & provide clinicians with insights to improve care</p>	<p>RCSI; PatientMPower Limited; Sixty (Design to Value Limited)</p>	<p>ICT</p>	<p>PatientMPower - Dublin / Sixty - Cork</p>	<p>€2.1m</p>
<p>Connected Enteral Feeding Healthcare System for Integrated & Co-ordinated Care: a Mobility+ ecosystem leverages innovation in sensors, a new innovative feed delivery device design, connectivity and apps for an entirely new level of data-driven patient-centered care.</p>	<p>Rockfield Medical Devices Ltd; Galway-Mayo Institute of Technology; Steripack Group</p>	<p>Health and Wellbeing</p>	<p>Rockfield - Galway / Steripack - Westmeath</p>	<p>€2.0m</p>
<p>TRANSPIRE - A trained AI Platform for Regulation, a project that</p>	<p>Corlytics Ltd; CeADAR UCD; Singlepoint Solutions Ltd.</p>	<p>ICT</p>	<p>Corlytics / Singlepoint - Dublin</p>	<p>€2.0m</p>

combines human expertise with artificial intelligence to demystify laws and regulations making it easier to do business while protecting consumers.				
Sustainable Bio-Renewable Energy from Wastewater (S-BREW) for the Food & Drink wastewater sector that will reduce land-spread waste and produce high-quality renewable energy.	NVP Energy Ltd; Ashleigh Environmental Ltd; National University of Ireland, Galway (NUIG)	Energy, Climate Action and Sustainability	NVP Energy - Dublin / Ashleigh - Waterford	€1.8m
Video Intelligent Search Platform (VISP) , will provide an innovative intelligent video platform to enable the exploitation of video for the criminal justice/ security and media & entertainment market.	Kinesense Ltd; Overcast HQ Ltd; Trinity College Dublin	ICT	Dublin	€1.5m

* The DTIF funding awarded is subject to verification checks as to the eligibility of the amounts claimed and the relevance of the costs to the terms of the Fund