

| Researchers | Research Body | Research Title | Award – Direct Costs | Co-funding |
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| Awards | | | | |
| Tia Keyes | Dublin City University | Shedding light on advanced microscopy; Supramolecular probes for super-resolution microscopy and phototheranostics | 775,371 | |
| Michael Rowan | Trinity College Dublin | Protecting Vulnerable Synaptic Networks in Early Alzheimer’s Disease | 964,752 | |
| Leonie Young and Arnold Hill | RCSI, University of Medicine and Health Sciences | Epi-Genomic and Epi-Transcriptomic Aberrations in Breast Cancer Brain Metastasis | 897,254 | |
| Aideen Ryan | National University of Ireland, Galway | RESTORE - Sialylation as a target to reverse stromal cell mediated immunosuppression in cancer | 697,606 | |
| Ed Lavelle | Trinity College Dublin | Tailored design of nanoparticulate adjuvants to enhance vaccine induced cellular immunity | 999,918 | |
| Luke O'Neill | Trinity College Dublin | Exploring Itaconate as a Critical Immunometabolite in Inflammation | 985,950 | |
| Wenxin Wang | University College Dublin | Multifunctional single-chain cyclized/knot polymers and their applications for Recessive Dystrophic Epidermolysis Bullosa (RDEB) wound healing | 999,787 | |
| Helen Roche and Frederick Sheedy | University College Dublin and Trinity College Dublin | Diet, Immune Training and Metabolism | 994,587 | |
| Geraldine Butler | University College Dublin | Effect of genome diversity on antifungal drug resistance in the human pathogen Candida parapsilosis. | 991,416 | |
| Noel Lowndes | National University of Ireland, Galway | Canonical and non-canonical roles for ATR in maintenance of genomic integrity | 877,338 | |
| David McCloskey | Trinity College Dublin | Field effect phase modulation with 2D nanomaterials. MAME: Managing Agricultural Methane Emissions. | 634,005 | |
| Vincent O'Flaherty | National University of Ireland, Galway | Transforming the greenhouse gas footprint and bio-economic value of ruminant agriculture by selective inhibition of methanogenic archaea | 762,365 | |
| Olive Lennon | University College Dublin | The 3Rs: Responsive, Rehabilitative Robotics in Motor Relearning of Functional Standing and Walking after Stroke | 644,022 | |
| Paula Meleady | Dublin City University | Deciphering the role of ubiquitination in regulating the productivity of biotherapeutics from recombinant Chinese hamster ovary cell lines. | 720,072 | |

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| Utz Roedig | University College Cork | Personal Voice Assistant Security and Privacy | 720,839 |
| Lorraine Hanlon | University College Dublin | Building on EIRSAT-1: Nanosatellites as a Disruptive Technology Platform for Innovation and Research in the Global Space Sector | 997,362 |
| Liam Marnane and Geraldine Boylan | University College Cork | Model based decision support for newborn brain protection | 941,414 |
| Emma Teeling | University College Dublin | LongHealth: The Molecular Basis and Regulation of Longer Healthspan in Mammals | 987,789 |
| Emma Sokell and Fergal O'Reilly | University College Dublin | xLuminate: Nanoimaging and Spectroscopy Enabling Brilliant Tuneable, Laboratory-scale x-ray Source Technology | 969,751 |
| Fiona Newell | Trinity College Dublin | MultiCategory: Behavioural and brain correlates of adaptive coding in multisensory object categorisation | 664,309 |
| Yvonne Nolan | University College Cork | Mechanisms underpinning the interplay between chronic neuroinflammation and exercise on cognitive function during middle age | 831,773 |
| Emmeline Hill and Lisa Katz | University College Dublin | An integrative approach to understand the impact of the skeletal muscle epigenome on economically important traits in the Thoroughbred horse | 888,353 |
| Mary Pryce and Deirdre Fitzgerald-Highes | Dublin City University and RCSI, University of Medicine and Health Sciences | Exploiting Singlet Fission: An Innovate Design Strategy for Antimicrobial Materials | 696,252 |
| Grace Morgan | University College Dublin | Optical and Magnetic Integration of Surface Molecules (OptiMISM) | 795,980 |
| Dimitrios Zeugolis | National University of Ireland, Galway | Cell Assembled Tissue Engineered Remedies for Enhanced Regeneration (CATERER) | 998,390 |
| Noel O'Dowd | University of Limerick | Physically-based modelling of bainitic and martensitic steels for flexible and sustainable power generation and distribution (Process) | 726,368 |
| Projects | | | |
| Rachel McDonnell | Trinity College Dubin | RADiCal: on-set virtual Reality for Actors portraying Digital Characters | 477,737 |
| Claire Gillan | Trinity College Dublin | Rich, Repeated and Robust: A Smartphone-Based Approach to Computational Psychiatry | 479,712 |
| Gary Moran and Derek Sullivan | Trinity College Dublin | The role in virulence and drug target potential of the Candida albicans telomeric TLO gene family | 477,813 |

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| James O'Gara | National University of Ireland, Galway (NUIG) | Targeting membrane transporters to increase antibiotic susceptibility in bacterial pathogens | 477,395 |
| Triona Ní Chonghaile | RCSI, University of Medicine and Health Sciences | HDAC6i: Understanding and targeting the function of histone deacetylase 6 in triple negative breast cancer. | 477,616 |
| Elaine O'Reilly | University College Dublin | Biocatalytic Cascades for the Synthesis of Therapeutic Iminosugars from Monosaccharides | 412,809 |
| Lynette Keeney and Michael Nolan | Tyndall National Institute | Optimisation of Single Phase Room Temperature Multiferroic Materials Enabling Next Generation Data Storage | 431,184 |
| Sarah Hudson | University of Limerick | Modular Release of Dual Acting Antimicrobial Peptides (MORE-AMP) | 479,501 |
| Sinéad Corr | Trinity College Dublin | Exploring miR-21 in the dialogue between the microbiome and immunity to decipher mechanisms of disease | 477,450 |
| Stephen Connon | Trinity College Dublin | Cooperative ionic species: a new direction in asymmetric nucleophilic catalysis | 479,879 |
| David Hoey | Trinity College Dublin | Mechanically Activated Extracellular Vesicles as a Multi-targeted Therapy to Enhance Bone Regeneration | 479,566 |
| Shane Donohue | University College Dublin | Geophysical and Earth Observation Tools for Evaluating the Condition of Slopes (GEOTECS) | 475,379 |
| Eilís Dowd | National University of Ireland, Galway | Harnessing the potential of biomaterials for improving stem cell-derived brain repair for Parkinson's disease | 459,527 |
| Olivia McAuliffe | Teagasc | EBSTAR: Efficient Biotransformation of Underutilised and Waste Food Processing Streams into Alternative and Renewable Products. | 258,234 |
| Charles Patterson | Trinity College Dublin | Simulation of Organic Optoelectronic Materials using Many-Body Theory (SOOMAT) | 234,871 |
| Ken O'Halloran | University College Cork | INSPIRE DMD: Interventional strategy to protect and increase respiratory efficacy in Duchenne muscular dystrophy | 432,355 |
| Dearbhaile Dooley | University College Dublin | Targeted control of microglia polarisation after spinal cord injury | 246,646 |
| Gerard O'Keefe | University College Cork | Defining the potential of HDAC5 and HDAC9 as novel therapeutic targets for Parkinson's disease. | 476,039 |

GSI and EPA

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| Eoin Scanlan | Trinity College Dublin | Accelerated Microfluidic Thiol-ene Mediated Native Chemical Ligation for Synthesis and Manufacture of Peptide and Protein Therapeutics | 479,456 | |
| Gerhard Schlosser | National University of Ireland, Galway | Cofactor-dependent functions of Eya1 in sensory neurogenesis | 393,893 | |
| Ingmar Schoen | RCSI, University of Medicine and Health Sciences | Mechanobiology of Platelet Contractility and Secretion during Thrombosis | 239,840 | |
| Katarzyna Goljanek-Whysall | National University of Ireland, Galway | PRE-CLINICAL DEVELOPMENT OF OXI-MIR INHIBITORS FOR MUSCLE WASTING | 475,909 | |
| Charles Spillane | National University of Ireland, Galway | Harnessing haploid inducers & cyto-nuclear interactions for enhanced plant growth and heterosis effects for sustainable agriculture (CytoHeterosis). Investigations of the homeo-dynamic status of heterogeneous subpopulations of normal human cutaneous melanocytes: a paradigm for understanding melanoma-genesis | 479,966 | |
| Desmond Tobin | University College Dublin | Advancing the green transition via novel electrode materials for valorisation processes | 341,351 | EPA |
| Paula Colavita | Trinity College Dublin | SEparating Critical metals ThrOugh mineRal crystallization (SEleCTOR) | 478,364 | GSI and EPA |
| Juan Diego Rodriguez-Blanco | Trinity College Dublin | CHEMPREDICT DL – Segregation of breast cancer patients at low and high risk of recurrence with chemical imaging and deep learning | 467,646 | |
| Aidan Meade and William Gallagher | Technological University Dublin and University College Dublin | Maximum Information-efficiency Scanning Transmission Electron Microscopy | 478,345 | |
| Lewys Jfones | Trinity College Dublin | Next Generation Therapeutics for Chronic Kidney Disease (NGENKID): Metabolic memory and the manipulation of the chromatin landscape for therapeutic reprogramming | 423,845 | |
| John Crean | University College Dublin | Can we use the metabolic theory of ecology to predict disease outbreaks in a warming world? | 469,008 | EPA |
| Pepijn Luijckx | Trinity College Dublin | Pristine Coastal Areas: Harnessing Ulva's Potential for Carbon and Nutrient Removal | 369,543 | |
| Ronan Sulpice | National University of Ireland, Galway | Investigating Immunomodulation by a Human-Adapted Poxvirus and its Therapeutic potential (IHAPT) | 478,783 | |
| Gareth Brady | Trinity College Dublin | The brain-muscle loop: using physical activity to target age-related neurodegeneration | 467,742 | |
| Aine Kelly | Trinity College Dublin | | 478,505 | |

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| Michael Prentice | University College Cork | Bacterial Microcompartment Engineering : building them up and knocking them down | 400,439 | EPA |
| Caroline Brophy | Trinity College Dublin | STRIVE: achieving Sustainable agri-ecosystems ThRough advances In modelling and Visualising the biodiversity and Ecosystem multifunctionality relationship. | 305,517 | |
| Marc Devocelle | RCSI, University of Medicine and Health Sciences | Antimicrobial Pegtides | 200,128 | |
| Luis Padrela | University of Limerick | Controlled Nucleation for the Continuous Crystallization of Nanopharmaceuticals | 216,416 | |
| Dympna O'Sullivan and Julie Doyle | Technological University Dublin and Dundalk Institute of Technology | Enabling Self-Care and Shared Decision Making for People Living with Dementia | 422,752 | |
| Jennifer Foster | Dublin City University | Rolling in the deep: unravelling a neural net's capacity for language | 275,700 | |
| Andreas Ruschhaupt and John Goold | University College Cork and Trinity College Dublin | Shortcut-Enhanced Quantum Thermodynamics | 479,363 | |
| Felipe Murphy | Tyndall National Institute | Orbitron: Spin, charge and light polarisation control and characterisation of CMOS compatible light sources - | 400,291 | |
| Armando | | Leaner Future Networks | | |
| John Costello | Dublin City University | Tracking Ultrafast Electron Dynamics in Next Generation EUV Lithography (EUVL) Materials. | 479,810 | |
| Norma Bargary and Andrew Simpkin | University of Limerick and NUI Galway | Functional data Analysis for Sensor Technologies | 467,569 | |
| Arman Farhang | Maynooth University | New Waveforms for Next Generation Wireless Networks (NEW WAVE) | 436,6604 | |
| Bryan Hennelly | Maynooth University | Label-Free Flow Cytometry using Broadband Coherent Anti-Stokes Raman Spectroscopy | 479,820 | |