Summit 2023

Looking to the future, **together**

20th and 21st November 2023 | **Radisson Blu Hotel, Cork**

Posters

Poster Number	Title	First Name	Last Name	Institution	Poster Title
1	Dr	Marco	Alfano	Maynooth University	Responsible AI for Person Empowerment on Health and Wellbeing (RIPE)
2	Dr	Maria	Alhajji	University of Limerick	The Effect of the Electrochemical Treatment Potentials Window on the Electrode Activity Towards Vanadium Redox Couples
3	Dr	Iulia	Anton	Atlantic Technological University	Smart farming technologies to enhance agricultural productivity and monitor environmental influence on Irish horticulture/tillage farms
4		Mairead	Barrett	University College Dublin	Power, Politics and Peace of mind: The study of how German financial integration into the global economy before 1914 shaped debates about German national security
5		Ramya	Balasubramanian	Teagasc	Exploring the neuromodulatory potential of a wide arsenal of fermented foods.
6		Aoife	Cotter	University of Limerick	Development of microparticulate powders of a therapeutic protein for pulmonary delivery
7		Cathy	Foley	Science Foundation Ireland	The SFI Guide to the design & implementation of an effective programme of EPE
8		Avril	Deegan	Dublin City University	Protocol: A Longitudinal, Mixed Methods Study Investigating Resilience, Social Support and Quality of Life Amongst Childhood Leukaemia Survivors and their Parents.
9		Jane	Dunne	Dublin City University	Unlocking Irish language data for the improvement of Irish technology tools/Ag scaoileadh sonraí theanga na Gaeilge ar son feabhsú uirlisí theicneolaíocht na Gaeilge
10		Daniel	Falk	University College Cork	Older than the Dinosaurs: Amazing Permian Tetrapod and Insect Tracks from central Germany
11	Dr	Dean	Frawley	Maynooth University	Improved workflow for untargeted metabolomics and NMR analysis of intracellular and extracellular metabolites isolated from Gram positive and Gram negative bacteria
12		Emma	Fuller	South East Technological University	Exploring the core microbiome of forest tree species, Common Alder (Alnus glutinosa), to identify potential bio-agents for enhanced resilience against Alder dieback disease
13	Dr	Katarzyna	Goljanek-Whysall	University of Galway	Oxidised microRNAs: novel regulators of muscle wasting
14		Mairéad	Gallagher	Technological University Dublin	Antibiotic Metabolites: Synthesis, Characterisation, and Assessment of their Role in the Development of Bacterial AMR
15		Delaram	Golpayegani	Trinity College Dublin	High-Risk AI Applications in the EU AI Act
16		Laura	Gunning	University College Dublin	The Effect of Elderly Digestive Conditions on Whey Protein Digestion in-vitro
17		Gargi	Gupta	Technological University Dublin	Post hoc explanations for RNNs using state transition diagrams for time series data

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18		Eibhlín	Halpin	University College Cork	Development of a spectroscopic sensor for accurate, real-time monitoring of personal exposure to nitrogen dioxide
19	Dr	Tom	Hodgkinson	RCSI University of Medicine & Health Sciences	Regeneration of articular cartilage through biomaterial-controlled partial cell reprogramming to recover youthful cell phenotypes
20		Osatohanmwen	Idelegbagbon	Dublin City University	Genetic Tools Unite: Environmental DNA x CRISPR for Esox lucius (Northern Pike) Detection in Irish Freshwaters
21		Peterson	Jean	Technological University Dublin	Beyond Limitations: Expert-Driven Accessibility Exploration of Health Data Representation for Older Adults
22	Dr	RUPA KASTURI	Palanisamy	Maynooth University	Spinel Nanostructures: A Reliable Catalyst Towards Energy Conversion Applications
23	Dr	Lynette	Keeney	Tyndall National Institute	What lies beneath? Investigations of atomic force microscopy-based nano-machining to reveal sub-surface ferroelectric domain configurations in ultrathin films
24		Giovanni	Parente	Maynooth University	The Naval Service in the Mediterranean Sea and the implications for the retention crisis
25	Prof	Breandán	Kennedy	University College Dublin	Investigating fundamental biological processes underpinning vision, to understand disease and develop therapeutic interventions for blindness.
26		Jack Denis	Murray	University College Cork	Streamlining the development of future oral drug products with machine learning
27	Dr	Ibrahim	Khalil	University College Dublin	Towards a Systems-based Digital Platform for Agricultural Land Use Planning, Management Decisions, and Inventory Reporting
28		Soumyadipta	Kundu	University of Galway	INHIBITING CELLULAR INHIBITOR OF APOPTOSIS PROTEINS (cIAPs) TO SENSITIZE NON-HODGKIN'S LYMPHOMA TOWARDS NATURAL KILLER CELL CYTOTOXICITY
29		Séamus	Lankford	Munster Technological University	Enhancing Neural Machine Translation of Low-Resource Languages: Corpus Development, Human Evaluation and Explainable AI Architectures
30		Rushiil	Ravichandran	Technological University Dublin	Innate Immune Factors as Antifungal Replacements: Candida vs. The Egg
31	Dr	John	MacSharry	University College Cork	UniCoV- UCC- Surveillance and detection of SARS-CoV-2 on the UCC campus during the 2021-2022 Teaching year Apps, antigens, saliva, wastewater and participation
32	Dr	Keith	Maycock	National College of Ireland	ESTA: Enhancing Speech and Language Therapy through Artificial Intelligence
33	Dr	Sinead	McNally	Dublin City University	Autism-Friendly Schools: Including the Voices of Autistic Pupils in Educational Provision in Ireland
34	Dr	Silvia	Melgar	University College Cork	A cross-sectional Irish study exploring the role of diet in IBD based on an online questionnaire and a patient panel opinion
35	Dr	Zohreh	Mousavi Nejad	Dublin City University	Development and Characterisation of an Optimised Chitosan-Gelatin Hydrogel for Non-Viral Gene Delivery in Epidermolysis Bullosa (EB) Treatment
36	Dr	Madhu Krishna	Murali	Trinity College Dublin	REHEATZ: RECOVERING WASTE HEAT IN ZAMBIA
37		Cónal	Murphy	Tyndall National Institute	In silico optimisation of radiative recombination in InAs/GaSb superlattices
38	Assoc Prof	Siobhán	McClean	University College Dublin	Long term exposure of cystic fibrosis associated pathogens to hypoxia contributes to their adaptation to chronic infection
39		Ella	O'Sullivan	Technological University Dublin	Investigating the Anticancer Potential of Metal-Dicarboxylate-Phenanthroline Complexes: A Focus on Apoptotic Signalling as a Mechanistic Mode of Action
40	Dr	Daniela	Iacopino	Tyndall National Institute	Sustainable IoT - CONNECT's Reconfigurable platforms research overview
41	Dr	Diana Carolina	Pimentel Betancurt	Teagasc	ProApis Project Initial Outcomes: Probiotics to mitigate the effect of pesticides on Apis mellifera bees
42	Dr	Deirdre	Purfield	Munster Technological University	The detection of putative recessive lethal haplotypes in Irish sheep populations

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43		Bláithín	Rawson	Trinity College Dublin	Host–Guest Chemistry of Napthalene Diimide based Macrocycles
44		Nate	Ritz	University College Cork	The Virome Regulates the Effects of Chronic Stress in Mice
45		Lydia	Whittaker	Trinity College Dublin	Controls on magma storage depth across the Galápagos Archipelago.
46	Dr	Sarah	Robinson	University College Cork	Exploring public concerns about software & the implications for responsible software engineering
47		Kevin	Roche	University of Galway	The use of interventions among GP registrars to improve antibiotic prescribing behaviours: a systematic review protocol
48	Dr	Andreas	Ruschhaupt	University College Cork	Shortcut-Enhanced Quantum Thermodynamics
49	Dr	Andy	Ruth	University College Cork	The Irish Atmospheric Simulation Chamber: a national facility for atmospheric sciences
50		Clodagh	Ryan	Munster Technological University	Developing genetic evaluations of enteric methane for sustainable Irish beef cattle
51	Dr	Dara	Stanley	University College Dublin	Pesticides and Irish Weather: What's the buzz for bees?
52	Prof	David	Stifter	Maynooth University	Early Medieval Ireland and Digital Humanities at Maynooth University
53	Prof	James	Sweeney	University of Limerick	Advanced Predictive Models for Green Electricity Generation from Renewable Resources
54		John	Twomey	University College Cork	Deepfake conspiracies: challenges for interventions
55		Grainne	Tyrrell	University of Limerick	The challenges unique to a modern anthropometric data acquisition toolkit – Using 3D scans and Sensorised Surgical Gloves for Human Factors studies