

Name	Research Interests (keywords, max 10 words - include thematic areas (listed below) where possible)	Email address
Dr. Lucy Byrnes	Embryonic development in zebrafish (Theme: Biology, Biomedical and Health Science)	lucy.byrnes@nuigalway.ie
Dr. Michael Carty	Biology, Biomedical and Health Sciences; Biotechnology; Responses to DNA damage in human cells; cell culture; UV radiation; cancer chemotherapy; DNA replication; protein phosphorylation	michael.carty@nuigalway.ie
Dr Peter Creighton	Growth hormone, Peptides and peptide amidation, leukemia, chronic myelogenous leukemia, stem cells & stem cell differentiation (Theme: Biology, Biomedical and Health Science)	peter.creighton@nuigalway.ie
Dr. Elaine Dunleavy	Centromere regulation in meiosis, epigenetics of stem cells (Theme: Biology, Biomedical and Health Science)	elaine.dunleavy@nuigalway.ie
Dr. Andrew Flaus	Chromatin structure and function, mechanisms of chromatin remodelling (Theme: Biology, Biomedical and Health Science)(Theme:Biotechnology)	andrew.flaus@nuigalway.ie
Dr. Adrienne Gorman	Cell death and survival; Apoptosis; Stress response proteins; Heat shock proteins; Endoplasmic reticulum; Neurodegeneration	adrienne.gorman@nuigalway.ie
Dr. Muriel Grennon	Biology&Biomed Sciences, Biotechnology, All Natural Sciences, Science education & related IT, Science communication and outreach	muriel.grennon@nuigalway.ie
Professor Bob Lahue	Trinucleotide repeat instability and mutagenesis -(Theme: Biology, Biomedical and Health Sciences)	bob.lahue@nuigalway.ie
Professor Noel Lowndes	Biomedical science, cancer, genome stability, chromatin, DNA repair	noel.lowndes@nuigalway.ie
Professor Brian McStay	Gene expression and nuclear organisation in human cells (Theme: Biology, Biomedical and Health Science)	brian.mcstay@nuigalway.ie
Dr. Derek Morris	Human genetics, genomics, schizophrenia, cognition, neuroimaging, GWAS, next-generation sequencing	derek.morris@nuigalway.ie
Professor Claran Morrison	Cancer; Molecular Biology; Cell Biology;DNA damage response; Cell cycle; Centrosome; Cilia; Genome editing; Gene targeting	claran.morrison@nuigalway.ie
Professor Heinz Peter Nasheuer	Control of DNA replication in the eukaryotic cell cycle (Theme: Biology, Biomedical and Health Science)	heinz.nasheuer@nuigalway.ie
Dr. Lynn O'Connor	Molecular control of Adipogenesis (Theme: Biology, Biomedical and Health Science)	lynn.oconnor@nuigalway.ie
Dr. Stephen Rea	Histone modifications, Chromatin organisation- in normal cells and Cancer (Theme: Biology, Biomedical and Health Sciences)	stephen.rea@nuigalway.ie
Professor Afshin Samali	Apoptosis, Autophagy, Biochemistry, Cell stress, cell death, ER stress, Endoplasmic reticulum, Cancer, Biomedical research, cell and molecular biology	afshin.samali@nuigalway.ie
Professor Kevin Sullivan	Chromatin organization of centromeres, mitotic regulation - (Theme:Biology, Biomedical and Health Sciences)	kevin.sullivan@nuigalway.ie
Dr. Eva Stegezdí	Systems biology, acute leukemia, stroma-cancer interaction, tumour microenvironment, bone marrow, leukemia stem cell, cytokines, death ligands, cell death and cell survival signal transduction	eva.stegezdí@nuigalway.ie
Dr. Maria Tuohy	Fungal glycoproteins- glycosyl hydrolases, oxidoreductases and proteases; Enzymes as tools for biotechnology, biopharma, biorefining and bioenergy applications	maria.tuohy@nuigalway.ie
Dr. Sara Farrona	Plant development, chromatin, epigenetics, chromatin remodeling, Polycomb Group pathway, transcriptional regulation, sustainable agricultural production	sara.farrona@nuigalway.ie
Dr. Peter McKeown	Plant biology, plant genetics, plant reproduction.	peter.mckeown@nuigalway.ie
Dr. Zoe Popper	plant and algal growth; plant and algal cell wall synthesis, metabolism and remodelling; plant and algal cell wall carbohydrates; seaweed, algal and plant polysaccharides; plant and algal evolution; plant-plant (host-parasite) interactions; parasitic plants including agriculturally important pests; environmental impact on plant and algal cell wall integrity, anatomy and composition; plant and algal anatomy	zoe.popper@nuigalway.ie
Professor Charles Spillane	Fundamental and applied genetics, epigenetics and biotechnology. Plant and agricultural biosciences and biotechnology. Plant Biosciences for Sustainable Development and Food Security, especially in developing countries. Science and Technology Policy.	charles.spillane@nuigalway.ie
Dr. Dagmar Stengel	Algal and marine biology (phycology)/Marine Science/Marine Biology: Seaweeds and Microalgae in Biotechnology and Environmental Research (e.g. Climate change, Sustainable seaweed harvesting, Eutrophication);Targeted Cultivation of algae for optimised production of Biomass and Metabolites of commercial interest; Ecophysiology and Toxicology; Algal-fungal relationships (e.g. Lichens) ; Seagrass.	dagmar.stengel@nuigalway.ie
Dr. Ronan Sulpice	Plant System Biology, Metabolomics, Enzymology, Primary metabolism, Biomass production, Algae and land plants.	ronan.sulpice@nuigalway.ie
Dr. Florence Abram	Environmental Microbiology; Renewable Energy; Systems Biology; Proteomics and Metaproteomics; Microbial Diversity; Infectious Diseases; Sustainable Agricultural Production; Microbial Adaptation to Ecological Niches; Microbial Stress Response; Enteric Pathogens	florence.abram@nuigalway.ie
Dr. Thomas Barry	Microbial nucleic acid diagnostics technologies; ; Infectious Disease: Clinical, Food Pathogen, Veterinary; Environmental Monitoring: Hospital Environmental Reservoir Contaminants, Bioprocess Monitoring, Water and Water distribution systems	thomas.barry@nuigalway.ie
Dr. Aoife Boyd	Pathogenic Mechanisms; Host-pathogen interactions; Vibrio parahaeumolyticus; bacterial adhesins and invasins; Type III Secretion Systems; bacterial effector proteins	aoife.boyd@nuigalway.ie
Dr. Fiona Brennan	Soil and environmental microbiology; Microbial Ecology and adaptation; Sustainable Agricultural Production; Bacterial, soil and plant interactions; Carbon and nitrogen cycling; Enteric pathogen fate and transport in the environment; environmental persistence of <i>Escherichia coli</i> ; functional microbial communities in soil	fiona.brennan@nuigalway.ie
Dr. Cyril Carroll	Detection and Epidemiology; Adaptive Tolerance Response in <i>Campylobacter</i> spp; antibiotic resistance mechanisms; Biofilms; Bioactive Ingredients from Algal Sources	cyril.carroll@nuigalway.ie
Dr. Gavin Collins	Microbial diversity; evolution; biofilm formation; ecophysiology and fitness; and 'eco-engineering' of yet-to-be-cultivated microbes, especially in biotechnologically-relevant and environmentally-important biofilms, including carbon-, nitrogen-, sulfur- and iron-cyclers	gavin.collins@nuigalway.ie
Dr. Gerard Fleming	Industrial Microbiology, Marine Microbiology, Biodiscovery, Disinfectant/Biocide/ Antibiotic Testing and Resistance, Fermentation-Bioprocessor Technology	ger.fleming@nuigalway.ie
Dr. Michael Gormally	Sustainable agriculture; Biodiversity; Applied ecology; Scientific management of agricultural and forest ecosystems; Terrestrial invertebrates as bioindicators; Biological control research; High nature value farming; Protected species conservation; Invertebrate behaviour	mike.gormally@nuigalway.ie
Dr. Michelle Kilcayne	Host-pathogen interactions; bacterial and host glycosylation; carbohydrate-mediated signalling; analytical methodology; glycosylation-mediated mechanisms in multiple myeloma; immunology of infection and disease; chemical biology; glycoanalysis; serum cancer glycomarker discovery; glycomics microarray technology.	michelle.kilcayne@nuigalway.ie
Dr. Conor O'Byrne	Bacterial Stress Responses; <i>Listeria monocytogenes</i> ; <i>Escherichia coli</i> ; molecular responses to low pH, light and to hyperosmotic shock, food pathogens, food safety, biomedical microbiology, microbial biotechnology	conor.obyrne@nuigalway.ie
Professor Vincent O'Flaherty	Microbial Ecology; Anaerobic digestion of wastewaters; anaerobic biofilm reactor technology for biorefining, energy production and wastewater treatment	vincent.offlaherty@nuigalway.ie
Professor James O'Gara	Infectious Disease Microbiology; Genetics, physiology and pathogenesis of staphylococcal biofilm infections, Biofilm, infections, antibiotic resistance, virulence, medical devices	jamesp.ogara@nuigalway.ie
Dr. Cindy Smith	Marine microbial diversity and ecology; Biogeochemical cycling of nitrogen; Environmental microbiology of water distribution systems; Microbial associations with marine fish and in aquaculture; Geomicrobiology	cindy.smith@nuigalway.ie
Dr. Gerard Wall	(Bio)materials functionalisation; Functional biomaterials / drug delivery; Protein immobilisation	gerard.wall@nuigalway.ie
Dr. Louise Allcock	Evolution and ecology of cephalopods and other molluscs	louise.allcock@nuigalway.ie
Dr. Thomas Doyle	Jellyfish ecology, satellite & acoustic tracking, migration, sharks, turtles, microplastics	tom.doyle@nuigalway.ie
Dr. Colin Lawton	Biodiversity, conservation ecology, invasive species, mammalogy, parasitology, eel biology	colin.lawton@nuigalway.ie
Dr. Grace McCormack	Sponge biology and evolution, adaptive evolution of honeybees, molecular phylogenetics and systematics	grace.mccormack@nuigalway.ie
Dr. Anne Marie Power	Nanotechnology, bioadhesives, marine genomics; marine sciences, sustainable fisheries	annemarie.power@nuigalway.ie
Dr. Michel Dugon	Bioprospecting and Biodiversity, Biotechnology, Venomics, Evolution of venom systems	michel.dugon@nuigalway.ie
Dr. Jake Ciborowski	Igneous petrogenesis; Ores and ore genesis; Paleoproterozoic mantle processes; Volcanic drivers of climate change; The Great Oxidation Event	jake.ciborowski@nuigalway.ie
Dr. Rachel Cave	Ocean chemistry; groundwater-seawater interactions; biogeochemical cycling in coastal waters	rachel.cave@nuigalway.ie
Professor Peter Croot	Marine Biogeochemistry, Chemical Oceanography, Environmental Chemistry	peter.croot@nuigalway.ie
Dr. Eve Daly	Tectonic processes onshore and offshore of Ireland; environmental geophysics.	eve.daly@nuigalway.ie
Dr. Tiernan Henry	Groundwater; hydrogeology, water resource management.	tiernan.henry@nuigalway.ie
Dr. Shane Tyrrell	Sediments and sedimentary rocks; basin analysis; sedimentary petrography, geochemistry and provenance; petroleum systems; sedimentary responses to climate change.	shane.tyrrell@nuigalway.ie
Dr. Liam Morrison	Metals in the Environment; Environmental Oceanography; Environmental Analytical Chemistry; Contaminants in Seafood, Soils and Sediments, Trace Metal Speciation, Aquaculture and the Environment	liam.morrison@nuigalway.ie
Dr. John Murray	Palaeontology, evolution, carbonate sedimentology, biostratigraphy, palaeoclimate and palaeoenvironmental reconstruction, stable isotopes, Pleistocene marine and cave sedimentation	john.murray@nuigalway.ie
Dr. Martin White	Benthic dynamics; biophysical interactions; continental margin hydrography; cold water corals	martin.white@nuigalway.ie
Dr Alessandra Costanzo	Fluid and petroleum inclusion studies, Igneous Petrology, Gemmology, mineralogy, economic geology (oil, gas and metal deposits)	alessandra.costanzo@nuigalway.ie
Dr Robin Raine	Marine Sciences, Oceanography, Harmful Algal Blooms, Phytoplankton	robin.raine@nuigalway.ie
Dr. Una Fitzgerald	Biomedical and Health Sciences; multiple sclerosis; endoplasmic reticulum stress; biomarkers; in vitro models of de- and re-myelination; in vitro models of iron accumulation in the brain; developmental myelination; endoplasmic reticulum chaperones; chaperones in body fluids; immunohistochemical analysis of post-mortem brain and animal CNS tissue.	una.fitzgerald@nuigalway.ie
Professor Uri Frank	Developmental Biology; Stem Cells; regeneration; neurogenesis; Biology, Biomedical and Health Sciences	uri.frank@nuigalway.ie
Professor Mark Johnson	Marine sciences, biodiversity, pelagic ecology, spatial ecology, benthic ecology	mark.johnson@nuigalway.ie
Professor Lokesh Joshi	High Throughput array-based methods of glycoanalysis, Development of glycomimics as novel therapeutics and diagnostics. Using Marine-based bioprospecting for the identification of novel therapeutic molecules	lokesh.joshi@nuigalway.ie
Professor Corrado Santocanale	Biology, Biomedical and Health Sciences, DNA replication, Cell-Cycle, Cancer therapeutics, Genome editing, Protein kinases	corrado.santocanale@nuigalway.ie
Dr. Gerhard Schlosser	Biology, Biomedical and Health Sciences; Development of vertebrate nervous system and sensory organs; Evolutionary origin and diversification of cranial sense organs; Evolution of developmental mechanisms.	gerhard.schlosser@nuigalway.ie
Professor Terry Smith	Biology, Biomedical and Health Sciences; Biotechnology; Nanotechnology; Molecular diagnostics; Genomic medicine; Infectious Disease and Cancer diagnostics	terry.smith@nuigalway.ie