

| 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.mctestay@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 Read | Histone modifications, Chromatin organisation- in normal cells and Cancer (Theme: Biology, Biomedical and Health Sciences) | stephen.read@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 Szegezdi | 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.szegezdi@nuigalway.ie |
| Dr. Maria Tuohy | Fungal glycoproteins, glycosyl hydrolases, oxidoreductases and proteases; Enzymes as tools for biotechnology, biopharma, biorefining and biopenergy 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 (phyiology)/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; <i>Vibrio parahaemolyticus</i> ; 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 persistance 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, 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 Kilcoyne | 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 glycoprofessor Kilcoyne | michelle.kilcoyne@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.o'byrne@nuigalway.ie |
| Professor Vincent O'Flaherty | Microbial Ecology; Anaerobic digestion of wastewaters; anaerobic biofilm reactor technology for biorefining, energy production and wastewater treatment | vincent.oflaherty@nuigalway.ie |
| Professor James O'Gara | Infectious Disease Microbiology; Genetics, physiology and pathogenesis of staphylococcal biofilm infections, Biofilm, infections, antibiotic resistance, virulence, medical devices | james.o'gara@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 | louis.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 | anne.marie.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 glycan analysis, 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 Santocanele | Biology, Biomedical and Health Sciences, DNA replication, Cell-Cycle, Cancer therapeutics, Genome editing, Protein kinases | corrado.santocanele@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 |