

Name	Email	Subject	Title
Clare Wilkinson	Clare.Wilkinson@uwe.ac.uk	Science Communication	1) Motivations for science communication careers: A quantitative and qualitative study of reasons for entering the science communication profession. 2) Science Communication Role Modelling: A content analysis and/or quantitative study on science communication role models from an equality and diversity perspective.
Hannah Little	Hannah.Little@uwe.ac.uk	Science Communication	1) The cultural evolution of scientific information: exploring biases in science communication 2) Exploring the use of comedy to communicate science: the advantages and risks of being funny
Erik Stengler	Erik.Stengler@uwe.ac.uk	Science Communication	1) Science Museums/exhibitions 2) Science in film
Emma Weitkamp	Emma.Weitkamp@uwe.ac.uk	Science and communication	1) Environmental science cartoons: analysis of content (or) reader impact 2) Performed science: exploring the audience for science theatre
Kevin Honeychurch	Kevin.Honeychurch@uwe.ac.uk	Biosensing	1) Wastewater epidemiology: comparison of liquid chromatography with electrochemical and tandem mass spectrometry detection. 2) Development of electrochemical sensors for the determination of indoor pollution.
David Attwood	David.Attwood@uwe.ac.uk	Biosensing Technology	1) Characterisation of Graphene and Graphene Oxide, used in chemical and biochemical sensors, by Gas Chromatography and Atomic Force Microscopy (co-supervision with Ben Delacy Costello) 2) The development of a electrochemical phosphate biosensor (co-supervision with Kevin Honeychurch)
Adrian Crew	Adrian.Crew@uwe.ac.uk	Biosensing	Investigations into the development of electrochemical sensors for the measurement of target metal ions for environmental studies on different soil systems (in collaboration with John Hart)
Roy Pemberton	Roy.Pemberton@uwe.ac.uk	Bio-sensing	Development of an electrochemical biosensor for bacterial detection
Tony Killard	Tony.Killard@uwe.ac.uk	Biomedical, Biosensing	1) Development of non-invasive diagnostic devices for diabetes 2) Fabrication and application of integrated point of care diagnostics
Ben de Lacy Costello	Ben.DeLacyCostello@uwe.ac.uk	Forensics and Biomedical	1) Early detection of colon cancer using the detection of volatile disease markers by gas sensors and mass spectrometry 2) The detection of trace explosives and compounds useful for medical diagnosis using multi-mode gas sensors

<u>Emmanuel Adukwu</u>	Emmanuel.Adukwu@uwe.ac.uk	Biomedical Sciences, Public Health	<p>1) Natural products as sources of antimicrobials against clinical and environmental pathogens</p> <p>2) Disinfectant capabilities of novel plant based products</p> <p>3) Water research - W.A.S.H in Africa</p> <p>4) Investigating antibiotic compliance in diverse communities in UK and abroad</p>
<u>Sarah Dean</u>	Sarah4.Dean@uwe.ac.uk	Biomedical	<p>1) Breast cancer co-cultures with breast cancer cell lines and other cells found in the breast such as adipose and fibroblasts.</p> <p>2) Role of Fatty acid binding proteins (FABPs) in leukaemia.</p>
<u>Tim Craig</u>	Tim.Craig@uwe.ac.uk	Biomedical	<p>1) Investigating the link between diet, Type-II Diabetes and Alzheimer's Disease</p> <p>2) The role of insulin signalling in bone: does diet play a role in the development of osteoarthritis?</p>
<u>Gabrielle Wheway</u>	Gabrielle.Wheway@uwe.ac.uk	Biomedical	<p>1) CRISPR/Cas9 genome editing of pre-mRNA splicing factors in retinal cells to study inherited eye disease.</p> <p>2) Cell biology and biochemical study of the functional role of pre-mRNA splicing factors in retinal cells.</p>
<u>Jason Mansell</u>	Jason.Mansell@uwe.ac.uk	Biomedical	<p>1) Polydopamine-functionalised titanium as a novel surface finish for dental and orthopaedic applications.</p> <p>2) Mussel-inspired reactive platforms for enhancing the performance of bone graft substitutes and implantable ceramics</p>
<u>Lynne Lawrance</u>	Lynne.Lawrance@uwe.ac.uk	Biomedical	<p>1) Public Understanding of meningitis and meningitis control strategies – would suit Biological, Biomedical or Public Health (co with Clare)</p> <p>2) Exploring uncertainty of measurement in clinical microbiology – would most suit biomedical science students but would consider others with microbiology background</p>
<u>Bahareh Vahabi</u>	Bahareh.Vahabi@uwe.ac.uk	Biomedical	Investigating the role of mucosa in mediating the spontaneous contractions of the urinary bladder
<u>Adam Thomas</u>	Adam7.Thomas@uwe.ac.uk	Biomedical	<p>1)The role of cod liver oil fatty acids in promoting chemotherapy resistance.</p> <p>2)Differential p53 phosphorylations in promoting cancer cell death after chemotherapy.</p> <p>3)3D image reconstruction of the leukaemic stem cell niche.</p>
<u>David Qualtrough</u>	David.Qualtrough@uwe.ac.uk	Biomedical	<p>1) Investigating the role of the microbiome in colorectal cancer.”</p> <p>2) The potential role of oestrogen signalling in colorectal cancer metastasis.</p>
<u>Mike Ladomery</u>	Michael.Ladomery@uwe.ac.uk	Biomedical	Targeting the ERG oncogene with splice switching oligonucleotides

Myra Conway	Myra.Conway@uwe.ac.uk	Biomedical	1) Targeting signalling pathways in Alzheimer's disease. 2) Understanding nutrient restriction and its potential therapeutic advantages to improve cognitive health.
Ruth Morse	Ruth.Morse@uwe.ac.uk	Biomedical	1) Development of a 3D printed model of the liver as a source of metabolism in toxicity testing 2) The role of thalidomide and its derivatives in inducing therapy related malignancy through disruption of mitosis and chromosome loss
Rhian Thomas	Rhian5.Thomas@uwe.ac.uk	Biomedical	1) Cell based studies into the causes of Alzheimer's disease 2) Protein processing in Alzheimer's disease
Shona Nelson	Shona.Nelson@uwe.ac.uk	Microbiology	Microbial biofilms
Helen Green	Helen4.Green@uwe.ac.uk	Forensics	1) Detection of low level DNA during VWM processing 2) Enhancement of latent fingerprints on shot gun cartridges
Carolyn Morton	Carolyn.Morton@uwe.ac.uk	Forensics	1) An investigation into the efficacy of Vacuum Metal Deposition and optimal sequential processing with currently used methods for the development of fingerprints on thermal paper (till receipts). 2) An investigation into levels of nandrolone and caffeine in the hair of different groups of people and comparison of these with declared consumption of relevant substances.
Sarah Bateman	Sarah3.Bateman@uwe.ac.uk	Forensics	The spatial and temporal variation of trace forensic evidence from the outdoor environment
James Costello	James.Costello@uwe.ac.uk	Chemistry	Controlling Molecular Shape – Computational and Structural Studies of Organometallic Catalysts
Robin Thorn	Robin2.Thorn@uwe.ac.uk	Microbiology	1) Investigating microbial metabolomics for better diagnostics; using selective ion flow tube – mass spectrometry to investigate microbial metabolic processes 2) Modelling wound biofilms – development of novel treatment strategies
Dan Turner	Dann2.Turner@uwe.ac.uk	Biological Sciences	Genome sequencing and annotation of novel bacteriophages of Acinetobacter spp.
John Hancock	John.Hancock@uwe.ac.uk	Biological Sciences	Reactive compounds and gases used in cell signalling. These projects will investigate the roles of reactive oxygen species, nitric oxide, hydrogen sulfide or hydrogen gas in a model biological system. The impact on such compounds on the molecular events in cells will be studied with a view to gaining a greater understanding of how such molecules fit into the intricate web of cell signalling events. Model organisms may range across both animal and plant kingdoms, depending on specific interests.
Dawn Arnold	Dawn.Arnold@uwe.ac.uk	Biological	Effector gene persistence in bacterial plant pathogens
Joel	Joel.Allainguillaume@uwe.ac.uk	Biological	1) Biosensor development for the detection of Cacao Swollen Shoot Virus

Allainguillaume			2) Metagenomics studies of the microbiota of fermented cacao beans in chocolate
Andy Wetten	Andy.Wetten@uwe.ac.uk	Biological	Cacao swollen shoot virus and its mealybug vector
Stephanie Sargeant	Stephanie.Sargeant@uwe.ac.uk	Environmental Sciences	1) Assessing the impact of barriers to migration of the European eel using environmental DNA (eDNA) survey techniques. Project in collaboration with Bristol Avon Rivers Trust (BART). 2) Development of environmental DNA (eDNA) survey techniques for the relative quantification of European eel populations and biomass.
Neil Willey	Neil.Willey@uwe.ac.uk	Biological Sciences & Environmental Sciences	1) Biological Sciences – Nutrients & Contaminants In Primary Producers: Analysing the Elemental Stoichiometry of Plants. 2) Cons & Env Science – Radionuclides In the Severn Estuary Salt-Marshes: Establishing a Benchmark Before Nuclear New Build.
Heather Macdonald	Heather.Macdonald@uwe.ac.uk	Biological & Environmental Sciences	1) Interactions between Auxin, Ethylene and Nitric Oxide signalling in plants (Biological). Project will make use of transgenic Arabidopsis already constructed to look at phenotypic effects and NO localisation when auxin and ethylene signalling pathways are perturbed. 2) Mechanisms of uptake of Radionuclides by microalgae (Biological/environmental). Lab based experiments measuring uptake of Cs under different conditions and possibly moving on to look at effects of exposure on the algal cells.
Sam Bonnett	Sam.Bonnett@uwe.ac.uk	Environmental Sciences	1) Seasonal and temporal variation in plant-soil functions across a solar PV farm chronosequence 2) Seasonal and temporal variation in plant-soil functions within a recently installed PV farm
Mark Steer	Mark.Steer@uwe.ac.uk	Conservation Sciences	1) Determination of eel habitat preferences using eDNA survey 2) Assessing the impacts of forest fragmentation on mammals in Madagascar: the efficacy of iDNA as a survey tool
Alison Cotton	acotton@bristolzoo.org.uk	Conservation Sciences (Bristol Zoo)	Utilising eDNA technology to assist with African penguin conservation
Grainne McCabe	gmccabe@bristolzoo.org.uk	Conservation Sciences (Bristol Zoo)	1) Manatee population survey in Costa Rica 2) Large mammal survey in Monte Alén National Park, Equatorial Guinea.
Amanda Webber	awebber@bristolzoo.org.uk	Conservation Sciences (Bristol Zoo)	Understanding the behaviour of the Sambirano fork-marked lemur (<i>Phaner parienti</i>) in the cacao plantations of northern Madagascar
Daphne Kerhoas	dkerhoas@bristolzoo.org.uk	Conservation Sciences (Bristol Zoo)	1) Distribution and population size of Negros bleeding heart dove and threat analysis

		Zoo)	2) Assessment of habitat quality for the Visayan warty pig and forest coverage of Panay island 3) Conservation field research in the Philippines
<u>Farnon Ellwood</u>	Farnon.Ellwood@uwe.ac.uk	Conservation Environmental Sciences	1) [Borneo] What is the functional purpose of epiphytic Bird's Nest Ferns to higher vertebrates in tropical rainforest canopies? 2) [Eden Project and/or Borneo] How does nutrient input influence soil functioning in a canopy epiphyte?
<u>David Fernandez</u>	David.Fernandez@uwe.ac.uk	Conservation Sciences	1) Effect of bushmeat hunting on the mammal community of Bioko Island, Equatorial Guinea: an iDNA approach. 2) Acoustic monitoring of the Impact of forest degradation on the wildlife community of the Udzungwa Mountains, Tanzania
<u>Paul Lintott</u>	Paul.Lintott@uwe.ac.uk	Conservation Sciences	1) Building with nature: assessing and enhancing the design of green infrastructure in housing and commercial developments for the benefit of biodiversity (in partnership with Gloucester Wildlife Trust) 2) Reimagining the urban soundscape; the impact of electric vehicles on humans, ecological communities and the synergistic relationship between them