

enviroCORE Alumni		
Researcher	Year	Project Title
Dr. Nicholas Amimo Otiemo	2015	Development of Plant Growth Promotion endophytic isolates as microbial inoculants for practical application in bioenergy plants species.
Dr. Eileen Kelly	2015	Evaluating the suitability of the nematode <i>Steinernema feltiae</i> as an environmental indicator
Dr. Antonio Sergio Moreira	2013	Potential impact of bumblebee commercialisation on population genetic structure of <i>Bombus terrestris</i> L. and <i>Bombus lucorum</i> L. (Hymenoptera: Apidae)
Dr. Sagar Chhabra	2012	Soil metagenome analysis and bacterial ecology of a low-input tillage agroecosystem.
Ms. Karen Brown	2011	Characterisation of tributyltin resistant microbes isolated from Irish coastal regions.
Dr. Olivia Odhiambo	2011	Developing improved phytoremediation and phytoprotection systems.
Dr. Bernadette Kearney	2011	Valine dehydrogenase activities from <i>Rhodococcus erythropolis</i> ITCBP : cloning, over-expression, purification, characterisation and comparative structural analyses.
Dr. Claire Menton	2011	Microbiology of bio-energy crops : pathogen fate and bioremediation enhancement
Dr. Edwinia Brennan	2010	Purification and kinetic analysis of a specific glutathione transferase (BphKLB400) involved in the detoxification of PCBs.
Ms. Monica Dempsey	2009	Evaluating microbial biosensors to detect polychlorinated biphenyl (PCB) contamination and degradation in a range of environments and conditions.
Mr. William O'Connor	2009	The design and development of a DNA array for soil nematode identification.
Dr. Elaine Keogh	2009	The isolation and characterisation of bacterial endophytes and their potential applications for improving phytoremediation.
Dr. Xuemei Liu	2008	Development and application of biosensor technologies for the biodegradation of environmental pollutants.

Dr. Kieran Germaine	2007	Construction of endophytic xenobiotic degrader bacteria for improving the phytoremediation of organic pollutants.
Dr. John White	2007	The effect of growth regulator and fungicide dosage on grain quality and nutritional status in wheat
Dr. Steven Boyle	2007	An investigation on the intraspecific genetic variation and genetic structure of Irish and exotic <i>Steinernema feltiae</i> (Nematoda:Steinernematidae).
Dr. Guiomar Garcia-Cabellos	2007	Investigating the microbiology of constructed wetlands.
Ms. Barbara Nolan	2006	Kinetic-based biospecific affinity methodologies for ATP-dependent biocatalysts.
Dr. Alexi Pacquit	2005	The effects of herbicides on the composition and quality of barley grain.
Dr. Robert Ryan	2005	The generation and molecular analysis of multi-resistant microbial strains, and associated operons, for the bioremediation of toxic metals.
Dr. Fiona Ni Mhullain	2005	The development of molecular tools to monitor the effects of the herbicide glyphosate on the microbial diversity of Irish agricultural soils.
Dr. Jill Hogan	2005	The monitoring of a prokaryotic bioremediation system in PCB contaminated soil and their in situ quantification
Ms. Shona Stewart	2004	Investigation of the incidence of antibiotic resistance among introduced micro-organisms in the River Barrow.
Dr. Niamh Gilmartin	2004	Biodegradation of PCBs: characterisation of a <i>Rhodococcus</i> strain and possible function of a glutathione S-transferase (BphK) from Burkholderia LB400.
Dr. Orla Sherlock	2003	A molecular based detection system for a PCB degrading pseudomonas and isolation of variants of the <i>bphC</i> gene.
Dr. Laura Oakley	2003	Development of immobilised cofactor derivatives for bioaffinity purification and study of putative amino acid dehydrogenase activities detected in waste microbial biomass.
Dr. Jessica Forde	2003	Comparative bioaffinity chromatographic studies with glutamate, phenylalanine, alanine and leucine dehydrogenases
Dr. Thomas Foyle	2003	Production of fermentation ethanol from waste paper for use as a fuel or fuel additive.

Dr. Michael Quilter	2003	The microbial production of isoamyl acetate by <i>Saccharomyces cerevisiae</i> and other yeasts.
Dr. Gemma Dunne	2003	The isolation and characterisation of lactic acid bacteria from human intestinal biopsy samples.
Dr. Amanda O'Brien	2003	Isolation and characterisation of lactic acid bacteria from bovine and porcine gut epithelia.
Dr. Claire Whelan	2002	Construction and analysis of GM bacteria with re-regulated expression of bph genes.