

Postgraduate Theses Supervised To Graduation

2009 PhD Sara Tedesco *Redox proteomic investigation of the mussel Mytilus edulis in ecotoxicology* (Extern.: Prof Maria Bebianno, University of the Algarve, Portugal).

2009 MSc (Biotechnology) Sonia Ortiz Garcia: *Oxidative stress and tyrosine nitration in kidney of spontaneously hypertensive rats.*

2008 PhD Raymond Tyther *Application of novel affinity purification methods to proteomic analysis of stress-response Proteins.* (Extern; Dr Lesley McLellan, Dundee).

2007 PhD Brian McDonagh. *Proteomic analysis of mussels in environmental monitoring.* (Extern. Prof Michael Tedengren, University of Stockholm).

2007 MSc (Biotechnology) Ebenezer Kanaraj: *“Tethered” nanoparticles as a novel route to protein isolation in downstream processing.* .

2007 MSc (Biotechnology): Wentao Hu: *Effects of gold nanoparticles on oxidative stress.*

2005 PhD Vera Dowling *Two-Dimensional Electrophoresis as an Approach to Proteomic Comparisons in Environmental Monitoring With the Clam Ruditapes semidecussatus.* (Extern.: Prof Juan Lopez-Barrea, University of Cordoba).

2005 MSc (Biotechnology) *Studies on glutathione transferase-like elongation factors in the yeast Yarrowia lipolytica.* Shane McGoldrick

2005 PhD *Determination of Estuarine Sediment Toxicity Using in vitro Methods* (Co-supervised with Prof Carmel Mothersill, Canada Research Chair in Radiobiology, McMaster University, Ontario, Canada). Sharon Ni Shuilleabhain.

2003 MSc (Biotechnology) *Effect of Salinity on Expression of Heat Shock Proteins and Glutathione S-Transferases in Mytilus edulis.* Colm Lyons.

2003 MSc (Biotechnology) Paul Griffin *Electrochemical molecular aptamer beacon biosensor.* (In collaboration with Dr Ciara O’Sullivan, Dept. Chemical Engineering, Universitat Rovira I Virgili, Taragonna, Spain). (Commenced Aug. 2002).

2002 MSc (Biotechnology) *Development of a DNA diagnostic Biosensor.* (In collaboration with Dr Helen Berney, National Microelectronics Research Centre, UCC). Andrew Whelton.

2002 MSc (Biotechnology) *Phylogenic analysis of prokaryotes based on ribosomal protein sequences.* Eimear M. Lyons.

2001 MSc (Biotechnology) *Use of Displacers in Ion Exchange Chromatography.* Anne-Marie Hudner.

- 2000 PhD** *Purification and Characterisation of acetolactate decarboxylase from Leuconostoc lactis NCW1.* Siobhan O'Sullivan (Extern; Prof V.M. Marshall, Huddersfield).
- 2000 PhD** *Studies on the α -galactosidase of Rhizobium meliloti.* Madeleine Leahy (Extern; Prof M. Sinnott, UMIST).
- 2000 PhD** *Purification and Characterisation of a beta-like hemolysin from Staphylococcus schleiferei.* Deborah Linihan (Extern: Prof Jerome Etienne, Lyons).
- 1999 PhD** *The Role of Detoxification Enzymes in Chemotherapy-Resistant Human Cancer Cell Lines.* Gerardene Meade (Extern; Dr Tim Mantle, Trinity College Dublin).
- 1998. PhD** *Study of Glutathione S-Transferase in Yarrowia Lipolytica.* Vivienne Foley. 1998 (Extern; Dr Lesley McLellan, Dundee).
- 1997. PhD** *Studies on Alpha-Class Glutathione S-transferases From Rat.* Ronan McCarthy (Extern; Prof John Hayes, Dundee).
- 1997. PhD** *Studies on Glutathione S-transferases From Fungi.* Catriona Dowd. (Extern; Prof Mario Lo Bello, Tor Vergata, Rome).
- 1996. PhD** *Cloning, Expression and Characterisation of the acetolactate synthase from Leuconostoc lactis NCW1.* Honora M. Carroll (Extern; Dr Mike Gasson, IFR, Norwich).
- 1996. MSc** *Fractionation of the Major Whey Proteins α -Lactalbumin and α -Lactoglobulin Using Two Phase Aqueous Extraction.* Aine Hallihan.
- 1996. MSc** *The Production of Milk Protein Hydrolysates From the Protease Digestion of Purified α S-1 and α -caseins.* Orla Mulcahy.
- 1995. MSc** *Studies on Glutathione S-transferases and Antioxidant Enzymes from Mytilus edulis.* Aisling Power.
- 1994. PhD** *Studies on Glutathione S-transferases from Mytilus edulis.* Patrick Fitzpatrick (Extern; Prof John Hayes, Dundee).
- 1993. MSc (Biotechnology)** *Immobilised Glutathione S-Transferases as a Tool in Bioremediation.* James Kenny.
- 1992. MSc** *Purification and Characterisation of Fungal Glutathione S-transferases.* James Casey.
- 1992. MSc (Biotechnology)** *Design and Synthesis of Emulsification Peptides.* Kathleen Carey.