

## AINSE Postgraduate Research Awards

### Postgraduate Research Scholars Awarded 2012

<b>name</b>	<b>UNI</b>	<b>Title</b>
Dominic Agyei	MON	Interfacial properties of stimuli-responsive peptide biosurfactants and their interaction with chemical surfactants for advanced foaming control
Peter Akers	AKL	Biofilm inhibition by immobilisation of antimicrobial proteins
Josie Auckett	SYD	Temperature dependence of superstructural order and its role in oxide ion conduction in brownmillerites
Joel Bertinshaw	NSW	Neutron scattering on functional transition metal oxide thin films
Andrew Buckley	CUR	A coherent inelastic neutron scattering investigation of polycrystalline magnesium deuteride
Lei Chang	ANU	From helicon discharges to fusion plasmas: dynamics of wave-particle-plasma interaction between electromagnetic modes
Hahjung Chin	ANU	Establishing a late Holocene chronology for the development and maintenance of open grasslands in northern Tasmania
Weiwei Cong	DEA	Alignment of nanostructures templated from lyotropic liquid crystals
Daniel D'Alessio	CUR	Design of novel radiopharmaceuticals based on calix[4]arene complexes of gallium and lutetium
Dario Alejandro Delgado Aguilar	MUR	Exploiting the water-energy nexus: using saline water electrolysis to provide energy security and desalinated water from renewable energy sources
Tiago Freire	SCU	Surface chemistry of a complex mineral system: mineralogy and sorption processes in modified bauxite refinery residues
Ines Melendez	CUR	Organic geochemistry associated with sulfide-rich ancient deposit
Annabelle Rodd	MEL	Dual, receptor and DNA auger radiotherapy targeting strategy using lipid-coated nanoparticles
Jimena Samper-Villarreal	QLD	Seagrass sediment cores in Moreton Bay, QLD
Mahboobeh Shahbazi-Manshadi	WOL	Investigation of the effect of ion irradiation on the superconducting properties of Un-doped and doped BaFe <sub>2</sub> As <sub>2</sub> single crystals
Kristian Tangso	MON	Nanostructure at complex surfactant-polymer interfaces
Catriona Vanston	TAS	Neutron scattering techniques to probe hydride ligand dynamics in catalytically relevant metal hydrides
Kelly Veale	SYD	Investigating the impact of translocator protein (18 kDa) under ionising radiation conditions
Timothy Webb	GRI	Structure-function relationships in metal hydrides: origin of pressure hysteresis
Catriona Wimberley	SYD	Improving biological parameters estimation in pre-clinical longitudinal PET imaging of the rat brain