

AINSE Postgraduate Research Awards

Postgraduate Research Scholars Awarded 2015

Name	UNI	Title
Francois-Marie Allieux	DEA	Revealing nanoscale interactions and electro-migration mechanisms during desalination by electro-dialysis in mixed solvents by SANS
Jakob Andersson	FLI	Development of a platform for rapid antibiotic viability testing
Jonathan Avaro	SCU	Resolving changes in hydration state and the role of nanoparticles during the nucleation, growth and evolution of calcium carbonate minerals.
Micheline Campbell	UWA	The last interglacial: an analogue for future climate change?
Andrew Chan	AKL	Novel oxynitride photocatalysts for solar hydrogen Production.
Wan-Ting Chen	AKL	Neutron and electron diffraction studies of anion order in perovskite oxynitrides
James Christian	NSW	Materials for new generation of batteries
Bronwyn Dixon	MEL	Late Holocene hydroclimate at Kangaroo Island, South Australia
Stephanie Duce	SYD	Spur and groove evolution, formation and paleoclimate: Great Barrier Reef and French Polynesia
Gianna Evans	AKL	Holocene drivers of environmental change from high-resolution lake sediment sequences in northern New Zealand
Georgina Falster	ADE	Assessing terrestrial climate variability over the last glacial-interglacial transition: a new quantitative, high-resolution, multi-proxy record from south-eastern Australia
Emily Field	QLD	Unlocking the Kimberley's environmental past: late quaternary multi-proxy analysis of tropical mound spring peat cores
Stephanie Florin	QLD	Stable carbon isotope analysis of Pandanus sp. drupes: A proxy for ancient foraging practices at Madjedbebe (Malakunanja II)
Jamie Gilbert	DEA	Structure-property relationships in thermoplastic nanocomposites
Greer Gilmer	OTA	Reconstructing the post-glacial history of the subantarctic Auckland Islands from marine sediment cores using ITRAX XRF and AMS Radiocarbon.
Corey Goodwin	CBR	Impact of gamma-irradiation of human cells upon nuclear versus mitochondrial forensic genotyping and relationship to oxidative stress biomarkers
Rebecca Hull	MEL	Investigating accumulation of trace metals in a colonial and solitary marine invertebrate using radioisotope tracers.
Andrew Jones	QLD	Mineral controls on soil carbon stability along the subtropical giant podzol Cooloola chronosequence
Oluwole Kazum	JAM	Hydrogen depth profiling of high strength steels
Jeffrey Kelleway	UTS	²¹⁰ Pb and radiocarbon dating reveal history of carbon sequestration in coastal wetlands
Henry Kirkwood	LAT	Micrometre scale imaging of residual elastic strain fields in whole components via strain tomography
Mitchell Klenner	CUR	Synthesis and photophysics of metal-fluorine(18) radiopharmaceutical complexes as optical-positron

Timothy Murdoch	NCT	emission multimodal diagnostic agents
Gabriel Murphy	SYD	Structure-stimulus relations in responsive polymer brushes
Pierre Naeyaert	SYD	Structural investigations of actinide derived materials: thorium and plutonium oxides
Julia Polt	SYD	Complex magnetism in metal-ion battery cathode materials
Jiangtao Qu	SYD	Lowering the barriers to interstitial oxide and superoxide anions: a new route to improved solid-state ionic conductors
Ryan Schwamm	VUW	III-V group semi-conductor nanowires characterization with Atom Probe Tomography
Deborah Sneddon	GRI	Synthesis and stabilities of heavy main group metal hydrides
Adam Trewarn	FED	Development of imaging agents to target tumour hypoxia
Leonie van 't Hag	CSI	Sourcing historical contamination in the Gippsland Lakes, Victoria
Guang Wang	DEA	Location and conformation of encapsulated amphipathic peptides within bicontinuous cubic lipidic mesophases.
Lyndelle Webster	MAC	Reorientation of mesochannels templated from hexagonal lyotropic liquid crystals under electric field and its structure reconstruction
Julia Wind	SYD	Development of a radiocarbon-based chronology for Tel Azekah, Israel
Ross Wood	NCT	A combined experimental and computational approach to understanding and developing new solid-state ionic conductors
		Investigation of metal oxides as high energy density cathode materials in lithium-ion batteries