

Scholars in post 2016-2017

Carnegie Scholarships

Archaeology

Christie, Claire, Aberdeen tenure since 2014

Farming on the edge: Towards an understanding of the first farming societies of Shetland
Dept of Archaeology, supervised by Dr Gordon Noble & Prof Kevin Edwards

Gardner, Tom, Edinburgh tenure since 2015

The Geoarchaeology of Burnt Mound Sites: site formation processes, fuel resource-use, and prehistoric industrial activity
Dept of Archaeology, supervised by Dr Catriona Pickard & Dr Guillaume Robin

Art History

John, Nicola, St Andrews tenure since 2016

Self, Other, and Self as Other: Negotiating Identity in Early Southeast Asian Modernism
School of Art History, supervised by Dr Jeremy Howard

McGlashan, Wendy, Aberdeen tenure since 2016

Enlightenment Society Observed: The Edinburgh Portraits of John Kay 1784-1822
Department of History of Art, supervised by Dr Helen Pierce & Prof John Morrison

Biomedical Sciences

Bugler-Lamb, Aimée, Dundee tenure since 2016

Role of Adipose β -Site Amyloid Precursor Protein Cleaving Enzyme 1 (BACE1) in Insulin Resistance
Division of Cardiovascular & Diabetes Medicine, supervised by Dr Li Kang & Prof Michael L J Ashford

Morley, Victoria, Edinburgh tenure since 2014

Evaluation of novel Parkinson's disease models generated by genome engineering of rodents
MRC Centre for Regenerative Medicine, supervised by Dr Tilo Kunath & Dr Karamjit Singh

Chemistry

Johnston, Beth, Glasgow tenure since 2016

Nanostructured high energy density materials for positive insertion electrodes: towards high voltage all solid-state batteries
School of Chemistry, supervised by Dr Serena Corr & Prof Duncan Gregory

Kelly, Christopher, Glasgow tenure since 2016

Plasmonic polarimetry: A unique tool for mapping the mesoscale structural landscape
School of Chemistry, supervised by Dr Malcolm Kadodwala & Dr Donald Maclaren

McCarter, Adam, Strathclyde tenure since 2014

Carbocyclisations based on difluorinated enols
Dept of Pure & Applied Chemistry, supervised by Prof Jonathan Percy

Carnegie Trust for the Universities of Scotland

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Seath, Ciaran, Strathclyde tenure since 2014

Stereocontrolled Access to C-Linked Saturated Heterocyclic Architectures

Dept of Pure & Applied Chemistry, supervised by Dr Allan Watson & Dr Craig Jamieson

Stanford, Martin, Edinburgh tenure since 2015

An investigation of novel silicon(II), aluminium(I) and tandem compounds for transition metal-free small molecule activation

School of Chemistry, supervised by Dr Michael Cowley & Dr Jason Love

Walker, Rebecca, Aberdeen tenure since 2015

Chirality and the Twist-Bend Nematic Phase

Dept of Chemistry, supervised by Prof Corrie T. Imrie & Prof John Storey

Zotev, Nikola, Edinburgh tenure since 2016

Quantum Molecular Dynamics of Photochemical Reactions: Connecting Theory and Experiments

School of Chemistry, supervised by Dr Adam Kirrander

Computer Sciences

Anderson, Damien, Strathclyde tenure since 2015

General Video Game Playing using Learning, Search and Ensemble Decision Making

Dept of Computer and Information Sciences, supervised by Dr John Levine

Design

O'Donnell-Hoare, Nicholas, Dundee tenure since 2013

Technologies and design for sustainability. Can a series of design technology interventions inform a sustainable way of living and being?

Duncan of Jordanstone College of Art & Design, supervised by Dr Sandra Wilson

Engineering

Liu, Boying, Robert Gordon tenure since 2015

Control of Multistable Dynamical Systems with Applications in Oil and Gas Industry

Dept of Engineering, supervised by Dr Wai-Keung Fung & Prof Ekaterina Pavlovskaja, University of Aberdeen

English

Bone, Katherine, St Andrews tenure since 2015

Visual Perception and the Visual Imagination in the Poetry of Jo Shapcott, Selima Hill and Lavinia Greenlaw

School of English, supervised by Prof Don Paterson & Prof Robert Crawford

Boyd, Sarah, Stirling tenure since 2016

Evaluating the compatibility of electronic literature and the publishing industry

Dept of English Studies, supervised by Dr Simon Rowberry & Prof Claire Squires

Geosciences

Christie, Frazer, Edinburgh tenure since 2014

Constraining ice, ocean and climate interaction in West Antarctica

School of Geosciences, supervised by Dr Robert Bingham, Dr Noel Gourmelen, & Dr Hamish Pritchard (British Antarctic Survey)

Quirie, Ailsa, Aberdeen tenure since 2015

Before the Oil: The Volcanoes of the North Sea
Dept of Geology and Petroleum Geology, supervised by Dr Nick Schofield

History

Clark, Stuart, Edinburgh tenure since 2015
Entangled Histories? Scottish-Irish Interactions, c.1800-1925
Dept of History, supervised by Prof Ewen Cameron & Dr Enda Delaney

Goi, Edwin, St Andrews tenure since 2015
Concino Concini, Maréchal d'Ancre: Pamphleteering and Power Politics in Early Modern France, 1610-17
School of History, supervised by Prof Andrew Pettegree & Dr Guy Rowlands

Linguistics

Kirton, Fiona, Edinburgh tenure since 2016
Event Structure and Emerging Syntax
School of Philosophy, Psychology and Language Science, supervised by Prof Simon Kirby & Dr Kenny Smith

Reilly, Colin, Glasgow tenure since 2015
Language Use and Language Attitudes in Malawian Universities
Dept of English Language & Linguistics, supervised by Dr Wendy Anderson & Dr Jennifer Smith

Mathematics & Statistics

August, Jennifer, Edinburgh tenure since 2015
From Representation Theory to Geometry
School of Mathematics, supervised by Dr Michael Wemyss

Burrell, Stuart, St Andrews tenure since 2016
Automated speaker recognition for application in spatially explicit capture-recapture animal surveys
School of Mathematics and Statistics, supervised by Prof David Borchers & Dr Juan Ye

Giurghita, Diana, Glasgow tenure since 2014
Unifying principles of migration at multiple scales: linking cancer research to ecology
School of Mathematics & Statistics, supervised by Prof Dirk Husmeier

Glennie, Richard, St Andrews tenure since 2014
Generalizing distance sampling models to give more robust methods for analysing wildlife survey data
School of Mathematics & Statistics, supervised by Prof Stephen Buckland

Jack, Eilidh, Glasgow tenure since 2015
Estimating the changes in health inequalities across Scotland over time
School of Mathematics and Statistics, supervised by Dr Duncan Lee & Dr Nema Dean

Johnston, Craig, St Andrews tenure since 2014
Self-Consistent Heating of Solar Magnetic Fields due to Surface Plasma Motions
School of Mathematics & Statistics, supervised by Prof Alan Hood & Prof Ineke De Moortel

Kerr, Lyndsay, Strathclyde tenure since 2016
Non-autonomous coagulation-fragmentation equations
Dept of Mathematics and Statistics, supervised Dr Matthias Langer & Dr Wilson Lamb

McDougall, Emma, Heriot-Watt tenure since 2014
Low dimensional homotopy for inverse semigroups
Dept of Mathematics, supervised by Dr Nick Gilbert

Olukoya, Feyisayo, St Andrews tenure since 2014
Decision Problems in Groups of Homeomorphisms
School of Mathematics & Statistics, supervised by Dr Collin Bleak & Dr Martyn Quick

Reid, Jack, St Andrews tenure since 2016
A Model for Solar Flares and Coronal Heating based on Magnetohydrodynamic Avalanches
School of Mathematics and Statistics, supervised by Prof Alan Hood & Prof Clare Parnell

Wilson, Wilf, St Andrews tenure since 2014
High performance computing with semigroups
School of Mathematics & Statistics, supervised by Dr James Mitchell

Modern Languages

Dear, Lou, Glasgow tenure since 2013
Towards decolonial praxis: strategies of resistance and portents of liberation in the work of Sylvia Wynter and Édouard Glissant
School of Modern Language & Cultures, supervised by Prof Willy Maley & Prof Michael Syrotinski

Dunn, Katherine, Edinburgh tenure since 2012
Poetry as *Testimonio*: writing human rights in Alicia Partnoy's *Venganza de la manzana* and *Volando bajito*
School of Literatures, Languages and Cultures, supervised by Dr Fiona J Macintosh

Philosophy

Ross, Lewis, St Andrews tenure since 2015
Ethical Intuitions and Philosophical Methodology
Dept of Philosophy, supervised by Prof Jessica Brown & Prof Tim Mulgan

Physics

Chirondojan, Liviu, Strathclyde tenure since 2015
Complex behaviour of Bose-Einstein Condensates, Cold Atoms and Arrays of Optical Waveguides
Dept of Physics, supervised by Prof Gian-Luca Oppo & Dr Gordon Robb

Lund Gunnarsdottir, Kristin, St Andrews tenure since 2016
A Galactic scale theory for star formation
School of Physics and Astronomy, supervised by Prof Ian Bonnell & Dr Kenneth Wood

Macauley, Gavin, Glasgow tenure since 2016
Magnetism with a twist – chiral helimagnets
School of Physics and Astronomy, supervised by Dr Stephen McVitie & Prof Robert Stamps

Milloy, Calum, Edinburgh tenure since 2016

The three-loop soft anomalous dimension

School of Physics and Astronomy, supervised by Prof Einan Gardi & Dr Jenni Smillie

Politics

McMillan, Fraser, Strathclyde tenure since 2014

Mandates and accountability from the top down: elite political culture and the programme to policy linkage

School of Government & Public Policy, supervised by Dr Heinz Brandenburg

Psychology

Branigan, Heather, Stirling tenure since 2014

Using Metacognition to Enhance Educational Outcomes in Primary Education

Dept of Psychology, supervised by Prof David Donaldson & Dr Christine Stephen

Caledonian Scholarships

Biological and Molecular Sciences

Mayhew, Rebekah, Stirling tenure since 2013

The species and functional composition of bird communities in regenerating tropical forests

School of Biological & Environmental Sciences, supervised by Dr Daisy Dent & Dr Joseph Tobias

Miller, Ona, St Andrews tenure since 2014

Covalent attachment of bacteria to the host – a novel virulence mechanism shared by significant human pathogens

School of Biology, Supervised by Dr Ulrich Schwarz-Linek

Engineering

Coutts, Fraser, Strathclyde tenure since 2015

Extension of Key Signal Processing Techniques to the Processing of Broadband Multi-Sensor Data

Dept of Electronic and Electrical Engineering, supervised by Dr Stephan Weiss & Prof Stephen Marshall

Cull, Stuart, Heriot-Watt tenure since 2016

DC-Seals: Development and Characterisation of Super-Hydrophobic Concrete Using Electrochemical Impedance Spectroscopy

School of Energy, Geoscience, Infrastructure & Society, supervised by Dr Benny Suryanto & Prof W. John McCarter

Henry Dryerre Scholarship

Psychology

Vandrey, Brianna, St Andrews tenure since 2014

An investigation of the role of the lateral entorhinal cortex in episodic memory

School of Psychology & Neuroscience, supervised by Dr James Ainge