

## Research Project Grants – March 2017

### SCIENCES

**Dr Nick Aldred**

*Newcastle University*

Going back to basics: reverse engineering the adhesive of the sea anemone *Aiptasia pallida*  
£309,990

**Professor Harry Anderson**

*University of Oxford*

Synthesis of new allotropes of carbon: cyclocarbon catenanes  
£269,701

**Dr Martin Cann**

*Durham University*

How cyanobacteria detect carbon dioxide: molecular events in the global carbon cycle  
£168,508

**Dr Bin Cheng**

*University of Surrey*

Mathematical analysis of 'near resonance' in the physical world of finiteness  
£280,880

**Professor Darren Dixon**

*University of Oxford*

A new light on chiral amine synthesis  
£176,408

**Professor Stefan Howorka**

*University College London*

New chemical tools to probe lipid bilayer thickness in live cells  
£149,186

**Dr Katherine Messenger**

*University of Warwick*

Syntactic priming as implicit learning: comparing second and first language speakers  
£241,910

**Professor Pat Monaghan**

*University of Glasgow*

Mechanisms underlying the growth-lifespan trade-off  
£258,973

**Dr Marko Nardini**

*Durham University*

Learning to perceive and act under uncertainty  
£258,151

**Dr Ioannis Nezis**

*University of Warwick*

What is the function of a cytoplasm-eating related protein in the nucleus?  
£206,436

**Dr Catherine O'Sullivan**

*Imperial College London*

Fundamental analysis of the influence of structure on clay behaviour  
£84,542

**Professor Robert Pawlak**

*University of Exeter*

Optogenetic reprogramming of the anxiety circuit  
£273,355

**Dr Richard Payne**

*University of York*

Peatlands and climate change: linking the past with the future  
£133,239

**Professor Tony Payne**

*University of Bristol*

Glacial melt and water security in Central Asia  
£169,648

**Professor Chris Perry**

*University of Exeter*

Predicting the significance of fish carbonates to the marine carbonate cycle  
£156,413

**Dr Carol Robinson**

*University of East Anglia*

Marine bacterioplankton respiration: a critical unknown in global carbon budgets  
£223,320

**Dr Tamara Rogers**

*Newcastle University*

Modelling inhomogeneous magnetohydrodynamics (MHD) in hot Jupiter atmospheres  
£220,233

**Professor Peter Slater**

*University of Birmingham*

Exploring carbonate incorporation in 'oxide' materials: the hidden dopant  
£84,760

**Professor Alison Smith**

*University of Cambridge*

Snow algae – are they the most abundant photosynthetic organisms in terrestrial Antarctica?  
£303,714

**Dr Patrick Sturt**

*University of Edinburgh*

Integration of information in reading  
£125,468

**Dr Colin Tosh**

*Newcastle University*

Predator-prey and prey-prey interactions driven by predator visual attention  
£226,555

**Dr Chris Venditti**

*University of Reading*

The dynamics of extinction through time  
£184,456

**Dr Alison Yao**

*University of Strathclyde*

Control and applications of structured light and chiral molecules  
£286,825

### HUMANITIES

**Dr Simon Blockley**

*Royal Holloway, University of London*

Unravelling the pattern, impacts and drivers of early modern human dispersals from Africa  
£466,516

**Professor Kimberley Brownlee**

*University of Warwick*

Investigating the ethics and politics of sociability  
£235,213

**Professor Christopher Gerrard**

*Durham University*

Risk and resilience in Europe. Exploring historic responses to earthquakes  
£284,330

**Dr Victoria Moul**

*King's College London*

Latin poetry in English manuscript verse miscellanies, c.1550–1700  
£447,381

**Professor Zahra Newby**

*University of Warwick*

Materiality and meaning in Greek festival culture of the Roman Imperial period  
£311,352

**Dr Leendert Plug**

*University of Leeds*

Speech tempo perception and missing sounds  
£195,101

**Professor Louise Sylvester**

*University of Westminster*

Technical language and semantic shift in Middle English  
£175,798

**Dr Jo Verhoeven**

*City, University of London*

Measuring asymmetry in the articulation of English speech sounds

£238,015

**SOCIAL SCIENCES**

**Professor Gordon Cumming**

*Cardiff University*

Mobilising support for militaro-humanitarian intervention: beyond two-level games

£90,842

**Professor Kavita Datta**

*Queen Mary, University of London*

'Disciplining' the remittance marketplace?

The financialisation of small and medium size money transfer operators (MTOs) after the financial crisis in London

£91,715

**Dr Sabine Hyland**

*University of St Andrews*

Hidden texts of the Andes: deciphering the 'khipus' (cord writing) of Peru

£251,902

**Professor Vasso Ioannidou**

*Lancaster University*

On the public disclosure of individual bank supervisory assessments

£105,555

**Professor Ben Lupton**

*Manchester Metropolitan University*

Understanding blame in work organisations - a philosophical interpretation

£55,597

**Professor John Mohan**

*University of Birmingham*

Community-level perspectives on post-war change in the British voluntary sector

£329,252