

Awards Made 2016

RESEARCH LEADERSHIP AWARDS

Sciences

Dr Andrew Biggin

University of Liverpool

Shaping Earth: defining planetary evolution using palaeomagnetism

£999,592

Dr Clare Burrage

University of Nottingham

New searches for dark energy

£802,923

Dr Sergi Garcia-Manyes

King's College London

Mechanochemical biology: a force to be reckoned with

£942,614

Dr Philip King

University of St Andrews

Engineered quantum states via atomic-scale assembly of artificial 2D heterostructures

£999,629

Dr Nathan Lepora

University of Bristol

A biomimetic forebrain for robot touch

£998,928

Dr Nicholas Longrich

University of Bath

The Cretaceous-Paleogene mass extinction – severity, recovery and biogeography

£998,185

Dr Carolyn McGettigan

Royal Holloway, University of London

SONOVOX: the social neuroscience of voices

£961,815

Dr Kou Murayama

University of Reading

An integrative theory of interest: how can we motivate ourselves without extrinsic incentives?

£999,272

Dr Julia Steinberger

University of Leeds

Living well within limits (LiLi)

£964,872

Humanities

Dr Dagmar Divjak

University of Sheffield

Out of our minds: optimising language learning with discriminative algorithms

£935,900

Dr Gordon Noble

University of Aberdeen

Comparative kingship: the early medieval kingdoms of Northern Britain and Ireland

£971,149

Dr Timothy Stanton

University of York

Rethinking civil society: history, theory, critique

£828,772

Social Sciences

Dr Emily Keightley

Loughborough University

Migrant memory and the post-colonial imagination (MMPI): British Asian memory, identity and community after partition

£994,904

RESEARCH PROJECT GRANTS

Sciences

Professor Steve Armes

University of Sheffield

In situ SAXS studies of micellar nucleation during block copolymer syntheses

£161,051

Dr George Bassel

University of Birmingham

Evolution of cellular patterning in plants

£150,461

Dr Andrew Bayliss

University of East Anglia

Examining the mechanisms underpinning shared attention

£270,862

Dr Magnus Bebbington

Heriot-Watt University

From hydroamination to dipolar cycloaddition through dual-mode catalysis

£110,467

Dr David Belin

University of Cambridge

Mapping the neural circuit subserving interoceptive control over behaviour

£325,585

Dr Yoselin Benitez-Alfonso

University of Leeds

Unlocking plant intercellular channels: lessons from cell wall molecular biophysics

£353,301

Professor Malcolm Bennett

University of Nottingham

Watching plants drink: imaging where, when and how roots take up water

£283,147

Dr Roger Benson

University of Oxford

Timing the origin of genome doubling in fossil teleosts

£248,425

Dr Zara Bergstrom

University of Kent

Neurocognitive mechanisms underlying retrieval-induced updating of face memories

£191,067

Dr Jacopo Bertolotti

University of Exeter

Prime factorisation using light

£118,672

Professor Peter Beton

University of Nottingham

Flexibility and curvature in two-dimensional supramolecular arrays

£289,358

Professor Jeffrey Bowers

University of Bristol

When and why do neural networks learn selective codes?

£252,194

Professor Steven Bramwell

University College London

Spin ice spintronics: surface and thin film probes of emergent electromagnetism

£482,452

Dr Caroline Brennan

Queen Mary, University of London

The genetics of numeracy and the evolutionary basis of number; can fish count?

£291,247

Professor Fernando Bresme

Imperial College London

Electrotunable nanoscale friction: from full stall to superlubricity

£237,563

Dr Amanda Bretman

University of Leeds

How are flexible behavioural responses to rapidly changing environments coordinated at the genomic level?

£245,369

Dr Ralf Britz

Natural History Museum

Breaking the rules – development and evolution of extreme asymmetry and morphological novelty

£270,782

Dr Mark Burnley

University of Kent

Emergent properties of the fatiguing neuromuscular system

£160,189

Professor Michael Carpenter

University of Cambridge

Magnetoelastic coupling behaviour and multiferroicity of magnetic iron oxide and sulphide minerals

£219,851

Dr Yin Chen

University of Warwick

Biochemical and structural characterisation of a unique Rieske oxygenase CntA

£181,768

Dr David Chesmore

University of York

Automatic acoustic observatories: non-invasive long-term monitoring of acoustic species

£310,933

Dr Andy Chow

University College London

Agent-based modelling and optimisation of transport network resilience

£72,865

Professor Lesley Cohen

Imperial College London

Microwave-induced Andreev bound states

£216,563

Dr Georgina Cosma

Nottingham Trent University

Novel approaches for constructing optimised multimodal data spaces

£115,355

Dr Claire Cousins

University of St Andrews

Frozen but not forgotten: microbial habitability and preservation in planetary fluids

£165,903

Dr William Curran

Queen's University Belfast

The importance of social context in interpreting and generating laughter

£123,378

Professor Brendan Davies

University of Leeds

A new dimension for plants

£247,555

Dr Ian Davies

Liverpool John Moores University

New frontiers in lipoprotein analysis: small molecules, big questions?

£127,026

Dr João Pedro de Magalhães

University of Liverpool

Data-driven discovery of correlations between genes and ageing-related changes

£304,873

Professor Andrew Ellis

University of Leicester

The building blocks of gas hydrates

£126,560

Professor Maurice Elphick

Queen Mary, University of London

From starfish to sex: the origins of kisspeptin signalling

£113,015

Dr Geoffrey Evatt

University of Manchester

The lost meteorites of Antarctica

£258,599

Professor Norman Fenton

Queen Mary, University of London

Improved understanding of causal models in dynamic decision-making

£383,510

Dr David Ferrier

University of St Andrews

Determining major general regulatory mechanisms in the ParaHox gene cluster

£167,184

Professor Gavin Foster

University of Southampton

The nature and consequences of historic and future ocean acidification; insights from boron isotopes in corals

£262,470

Professor Mark Fricker

University of Oxford

The third mode of life

£240,471

Professor Lorenzo Frigerio

University of Warwick

The cell biology of rubber biosynthesis – the endoplasmic reticulum connection

£178,467

Dr Kumiko Fukumura

University of Strathclyde

The mechanisms of choosing pronouns: a cross-linguistic study

£156,799

Professor Matthew Gaunt

University of Cambridge

New concepts for activity-based protein profiling (ABPP)

£119,318

Dr Elena Gheorghiu

University of Stirling

Elucidating the role of colour in shape processing in human vision

£130,595

Dr Nikitas Gidopoulos

Durham University

Progress in Kohn Sham electronic structure theory from a wave function approach

£184,351

Dr Andrew Gillis

University of Cambridge

Development of gill arch appendages: insights into the origin of paired fins

£170,844

Dr Diego Gómez-Nicola

University of Southampton

Understanding the dynamics and diversity of microglia in the healthy and ageing brain

£236,866

Professor Julie Gray

University of Sheffield

How do plants restrict stomatal entry routes following pathogen attack?

£82,693

Professor Ruth Gregory

Durham University

Challenging the standard model with black holes

£192,413

Dr Matthew Grubb

King's College London

Linking functional and epigenetic plasticity at the single-neuron level

£212,234

Dr Scott Habershon

University of Warwick

Network organisation in biological photosynthesis

£104,642

Professor Patrick Haggard*University College London*

Processes and precursors of volition: comparing endogenous and exogenous action decisions in the human brain
£220,328

Dr Antonia Hamilton*University College London*

Understanding and generating real-time face-to-face social interactions
£314,885

Dr D Flemming Hansen*University College London*

Exploring the conformational sampling and motions of side chains in proteins
£198,009

Dr Simon Harvey*Canterbury Christ Church University*

Nematode genetic variation and protein misfolding disease
£88,288

Dr Helmut Hauser*University of Bristol*

Computing with spiders' webs – an inspiration for new sensors and robots
£264,745

Professor Paul Hibbard*University of Essex*

Depth-cue combination in complex natural scenes
£71,714

Dr Neal Hinvest*University of Bath*

Elucidating the 'shared brain'
£127,111

Dr James Hodge*University of Bristol*

Optogenetic imaging and remote control of the fly electrical clock
£210,844

Professor Felix Hofmann*University of Oxford*

Probing the invisible: characterising atomic-scale point defects with X-rays
£254,220

Dr Sarah Horswell*University of Birmingham*

Advanced bioelectrochemical measurements on unsupported membranes
£245,580

Dr Andrew Hudson*University of Leicester*

Development of a sensor to quantify cellular concentrations of heme
£201,752

Dr Robert Hughes*Royal Holloway, University of London*

Memory and language: a perceptual-motor approach to verbal sequence learning
£149,397

Dr Wassim Jabi*Cardiff University*

Enhancing the representation of architectural space in 3D modelling environments
£300,485

Dr Mateja Jamnik*University of Cambridge*

ARD: accessible reasoning with diagrams
£383,728

Dr Francis Jiggins*University of Cambridge*

The evolution and origins of arthropod RNAi
£153,665

Dr Matthew Johnson*University of Sheffield*

Organisation of photosystem I and ATP synthase in plant photosynthetic membranes
£178,389

Professor Alex Kacelnik*University of Oxford*

Relational concept imprinting in ducklings
£171,635

Professor Anthony Kenyon*University College London*

Understanding and controlling dynamic functional oxides
£331,470

Dr James Kilner*University College London*

The role of emotion in believable acting
£149,231

Professor Hon Wai Lam*University of Nottingham*

Remote functionalisation by the chain walking of allylmetal species
£180,351

Dr Ellouise Leadbeater*Royal Holloway, University of London*

The evolution of cognition: 'intelligence' in the wild
£249,516

Dr Tung Chun Lee*University College London*

Mechanism of catalysis inside nanoreactors
£225,179

Dr Daniele Leonori*University of Manchester*

Visible-light mediated synthesis of nitrogen-centred radicals
£105,569

Dr Paul Long*King's College London*

Are endoparasitic cnidarians venomous animals? A pioneering study into an ancient lineage
£384,673

Professor Stefan Maier*Imperial College London*

Topologically protected flexural waves in thin elastic plates
£270,855

Dr Svetlana Makovets*University of Edinburgh*

Proteolysis-dependent regulation of telomerase catalytic subunit
£174,381

Dr Stephen Mansell*Heriot-Watt University*

Enabling N₂ and hydrocarbon activation using first row transition metals
£106,406

Dr Jason McEwen*University College London*

Illuminating the dark Universe with novel 3D spherical informatics methods
£323,389

Professor Alistair McGregor*Oxford Brookes University*

How to build a spider: regulation of segmentation in *Parasteatoda tepidariorum*
£160,246

Dr Rebecca Melen*Cardiff University*

Main group catalysis: chiral borenium cations
£173,742

Professor Jane Mellor*University of Oxford*

Defining the fundamental nature of antisense transcription
£139,816

Dr Patrick Mesquida*King's College London*

Are collagen fibrils ladders for cells?
£107,268

Dr James Moore*Goldsmiths, University of London*

Exploring intentionality biases in the analysis of human behaviour
£164,459

Professor Michael Morgan*City University London*

A Bayesian approach to the control of eye movements in human subjects
£122,047

Dr Ian Morris*University of Surrey*

Lower bounds for Lyapunov exponents

£267,776

Professor Russell Morris*University of St Andrews*

Metallorganic frameworks as anode materials for high-performance batteries

£105,312

Professor Colin Murrell*University of East Anglia*

The role of facultative methanotrophs in the cycling of natural gas

£196,819

Professor Richard Napier*University of Warwick*

Self-organising carbon nanosensors for imaging morphogenic gradients in plants

£309,063

Dr Robert Nash*Aston University*

Cognitive biases in the recipient of past- and future-oriented feedback

£98,236

Professor Tim Naylor*University of Exeter*

A new understanding of planet formation

£184,349

Professor Hugh Nimmo*University of Glasgow*

Temperature perception in plants by a splicing factor-clock transcript module

£167,018

Dr Charles O'Hara*University of Strathclyde*

Main group element enhancement of transition metal C–H bond activation chemistry

£220,527

Dr Karen Olsson-Francis*Open University*

The feasibility of contemporary life elsewhere in our Solar System

£170,394

Dr Rupert Oulton*Imperial College London*

Quantum nano-plasmonics

£251,539

Dr Antonio Padilla*University of Nottingham*

A new approach to the cosmological constant problem: disentangling local physics from global

£212,393

Professor Daniel Paulusma*Durham University*

Efficient graph-colouring algorithms via input restrictions

£187,316

Dr Thomas Penfold*Newcastle University*

Probing femtosecond dynamics with core hole spectroscopy: a theoretical approach

£146,559

Dr Andre Pires da Silva*University of Warwick*

Gamete-mediated transmission of parental experience

£184,110

Professor Emmanuel Pothos*City University London*

A quantum approach to decision-making in Bernoulli's St Petersburg's paradox

£111,895

Dr Clare Press*Birkbeck, University of London*

The paradoxical influences of prediction on perception: do actions silence perception?

£205,756

Professor David Procter*University of Manchester*

Asymmetric copper-catalysed multicomponent assembly of high-value amines

£163,225

Professor Aleksandr Pukhlikov*University of Liverpool*

Birational geometry of higher dimensional Fano varieties of higher index

£76,646

Dr David Reby*University of Sussex*

Voice and sex stereotypes: a developmental perspective

£222,515

Professor Neil Robertson*University of Edinburgh*

Materials development to realise the organic piezoelectronic transistor

£299,296

Professor David Rueda*Imperial College London*

Visualising repressor-activator competition as a mechanism of Ikaros-mediated gene regulation

£186,209

Professor Saverio Russo*University of Exeter*

Room temperature quantum electronics

£254,711

Dr Victor Sans Sangorin*University of Nottingham*

Advanced molecular materials based on 3D-printed polymeric ionic liquids

£161,448

Professor Pauline Schaap*University of Dundee*

Understanding the molecular mechanisms that control somatic cell specialisation

£227,354

Dr Felix Schulze*University College London*

Advances in contact topology via Lagrangian mean curvature flow

£337,709

Professor Mark Searle*University of Nottingham*

Reading the ubiquitin barcode – new tools from next generation phage display

£171,572

Dr Evelyne Sernagor*Newcastle University*

A novel approach to functional classification of retinal ganglion cells

£274,437

Professor Mike Shipman*University of Warwick*

Oxetane-enhanced macrocyclisation technology: macrocyclic peptides made easy

£243,135

Professor Lucia Sivilotti*University College London*

Spatially resolved optical patch clamp of single ion channels

£207,280

Professor Austin Smith*University of Cambridge*

Delimiting the stem cell phase boundary via time normalisation

£224,408

Dr Marie Smith*Birkbeck, University of London*

The social side of face perception: insights from atypical development

£177,298

Dr Howard Snelling*University of Hull*

Laplacian magic windows

£123,828

Professor Gyaneshwar Srivastava*University of Exeter*

Tuning thermal transport in nanocomposites with size, shape and interface control

£228,338

Dr Vasilios Stavros*University of Warwick*

Unravelling photoprotection pathways in plant sunscreens

£314,841

Dr Richard Stephenson*University of East Anglia*

Asymmetric 'click'-synthesis of Helicenes

£166,029

Dr Tyler Stevenson*University of Aberdeen*

Identification of the photoreceptor for light detection in the avian brain

£246,909

Dr Anne Straube*University of Warwick*

How microtubule plus tip trackers couple polymer assembly to cargo transport

£256,434

Dr Naeem Syed*Canterbury Christ Church University*

Understanding the epigenetics of alternative splicing in the plant clock genes

£268,307

Professor Steve Tipper*University of York*

Harnessing the power of visuomotor fluency to encourage healthy choices

£266,328

Professor John Trinick*University of Leeds*

Structure and function of 50 nm extracellular filaments in reproduction

£171,742

Professor Hendrik Ulbricht*University of Southampton*

Non-interferometric test of the quantum superposition principle

£384,300

Professor Patrick Unwin*University of Warwick*

Lab-on-a-tip: real-time nanoscale analysis of living cells

£102,460

Dr Dhanraj Vishwanath*University of St Andrews*

What does it mean to 'see in 3D'? Explaining the phenomenology of stereopsis

£161,204

Professor Tim Vogels*University of Oxford*

The cooperative brain: multipartite plasticity for entwined cortical functions

£169,663

Professor Jemma Wadham*University of Bristol*

Sub-ice weathering: a missing link in the global silicon cycle?

£261,904

Dr Andrea Waeschenbach*Natural History Museum*

Molecules meet fossils – an integrated approach to studying palaeodiversity

£350,090

Dr Bridget Waller*University of Portsmouth*

Cultural variation in the social function and expression of guilt

£106,827

Dr Ben Webb*University of Nottingham*

Timescales of multisensory recalibration in natural environments

£250,275

Professor Eske Willerslev*University of Cambridge*

Method for quantification of ancient plant populations using fossil pollen DNA

£354,456

Dr Kate Wilmut*Oxford Brookes University*

Movement planning during reach-to-grasp tasks across the lifespan

£52,581

Dr Andrew Wright*University of St Andrews*

Synthesis of real and virtual space weather data

£149,270

Dr Shengfu Yang*University of Leicester*

Investigation of combustion chemistry using superfluid helium nanodroplets

£137,884

Dr Ozgur Yazaydin*University College London*

Engineering of electric field controlled molecular gates in porous materials

£110,235

Dr Liming Ying*Imperial College London*Probing synaptic amyloid- β aggregation by redox reaction enabled super-resolution imaging

£331,179

Dr Igor Yurkevich*Aston University*

Disorder-induced superconductivity in quasi-1D strongly correlated materials

£213,919

Dr Mischa Zelzer*University of Nottingham*

Surfaces, the next frontier in understanding and controlling gel properties

£154,274

Dr Eli Zysman-Colman*University of St Andrews*

Blue-emitting TADF materials for OLEDs based on a Lewis acid-containing acceptor

£319,908

Humanities**Dr Christopher Briggs***University of Cambridge*

Living standards and material culture in English rural households, 1300–1600

£319,133

Professor Cyprian Broodbank*University of Cambridge*

Archaeological deep history and dynamics of Mediterranean Africa, c.9600 BCE–700 BCE

£115,433

Dr Chris Cummins*University of Edinburgh*

Bilingualism, pragmatic enrichment and reasoning biases

£128,487

Professor John Divers*University of Leeds*

Thinking counterfactually. How would have been reveals what is and what must be

£165,945

Professor Alison Donnell*University of Reading*

Caribbean literary heritage: recovering the lost past and safeguarding the future

£412,750

Dr John Gilmore*University of Warwick*

Oriental poetry, Latin scholarship and the European Enlightenment: the case of William Jones

£249,968

Dr Nathaniel Hansen*University of Reading*

The psychology of philosophical thought experiments

£101,062

Dr Rebekah Higgitt*University of Kent*

Metropolitan science: places, objects and cultures of practice and knowledge in London, 1600–1800

£368,663

Dr Richard Huzzey*University of Liverpool*Re-thinking petitions, parliament and people in the long nineteenth century
£367,072**Dr Richard Jones***University of Leicester*Flood and flow: place-names and the changing hydrology of river systems
£375,816**Dr Robert Jones***University of Leeds*The political works of Richard Brinsley Sheridan
£272,621**Professor John Klapper***University of Birmingham*Inner and outer exile in fascist Germany and Spain: a comparative study
£314,730**Professor Jason König***University of St Andrews*Mountains in ancient literature and culture and their post-classical reception
£186,123**Dr Simon Lewis***Queen Mary, University of London*The Breckland Palaeolithic project: culture, technology and evolving humans
£255,147**Dr Jamie Medhurst***Aberystwyth University*A decade of change: television and society in Wales in the 1970s
£113,813**Professor Clive Oppenheimer***University of Cambridge*Nature and impacts of Middle Pleistocene volcanism in the Ethiopian Rift
£165,547**Dr David Petts***Durham University*Landscape archaeology of the Great Depression in northern England
£255,085**Dr Jim Phillips***University of Glasgow*Employment, politics and culture in Scotland, 1955–2015
£215,596**Professor Stephen Read***University of St Andrews*Theories of paradox in fourteenth-century logic: edition and translation of key texts
£155,655**Professor Tim Rood***University of Oxford*Anachronism and antiquity
£303,249**Dr James Ross***University of Winchester*Kingship, court and society at the dawn of the modern age: the chamber books of Henry VII and Henry VIII, 1485–1521
£200,932**Professor Peter Alexander Rowley-Conwy***Durham University*Maximising milk yield in early Neolithic cattle farming: stable isotopic analyses and the origins and spread of breeding cycle manipulation across Europe
£189,116**Dr Lizzie Seal***University of Sussex*Race, racialisation and the death penalty in England and Wales, 1900–1965
£117,700**Dr Kim Sloan***British Museum*Enlightenment architectures: Sir Hans Sloane's catalogues of his collections
£332,552**Dr George Tsoulas***University of York*Plural mass nouns as a window to linguistic variation
£134,267**Dr Sethina Watson***University of York*The register of Walter de Gray, Archbishop of York, 1215–1255
£152,339**Dr Keith Wilkinson***University of Winchester*A high-resolution chronology for early humans in the Southern Caucasus
£387,792**Social Sciences****Professor Stephen Case***Loughborough University*Exploring the language barrier to engagement in youth justice assessment interview practice
£111,912**Professor Richard Evershed***University of Bristol*Peopling the green Sahara? A multi-proxy approach to reconstructing the ecological and demographic history of the Saharan Holocene
£393,421**Dr Peter Flugel***SOAS, University of London*Jaina prosopography: monastic lineages, networks and patronage
£284,410**Professor Robin Goodwin***University of Warwick*Psychological sequelae of the Great Miyagi Earthquake: a four-wave study
£62,129**Dr Tim Jay***Sheffield Hallam University*How does game-based learning promote children's mathematical cognition?
£128,978**Professor Vera Kempe***Abertay University*Literacy acquisition in situations of dialect exposure
£151,091**Dr Alex Mesoudi***University of Exeter*The cultural evolution of social hierarchy: an experimental investigation
£217,042**Professor Charles Watkins***University of Nottingham*British amateur topographical art and landscape in northwest Italy, 1835–1915
£141,462**Dr Benjamin Yong***University of Hull*Legal advice to legislatures – supporting a professionalising legislature
£68,567**Major Research Fellowships****Dr Enam Al-Wer***University of Essex*The emerging dialect of Amman: a study in new-dialect formation
£172,302**Professor Richard Bell***University of Nottingham*The theology of Richard Wagner's *Ring Cycle*
£152,587**Professor Francisco Bethencourt***King's College London*New Christians: the rise and fall of a trading elite, 1497–1773
£104,280**Professor Peter Blatchford***University College London*Towards a social pedagogy of classroom learning
£185,169

Professor Donald Bloxham*University of Edinburgh*

The world we fought for? Systematic violence in global history since 1945

£144,542

Professor Stephen Bottoms*University of Manchester*

Incarceration games: performance, psychology, and the Stanford Prison Experiment

£162,208

Professor Shaun Breslin*University of Warwick*

China risen? What is global power (and in what ways does China have it)?

£171,670

Professor Sophie Chappell*Open University*

Epiphanies: an ethics and metaethics of experience

£145,244

Dr Juan-Carlos Conde*University of Oxford*

Reinventing Spanish history: the work of Américo Castro in its cultural context

£172,806

Mr Jeremy Coote*Pitt Rivers Museum, University of Oxford*

Oxford's Cook-voyage collection in historiographical perspective, 1772–2019

£113,723

Professor Mark Cornwall*University of Southampton*

Treason and disloyalty in the late Habsburg Monarchy

£148,835

Dr Steffan Davies*University of Bristol*

A long history of German exile literature, 1790–1955

£104,028

Professor Klaus Dodds*Royal Holloway, University of London*

A new North? The making and re-making of a global Arctic

£182,376

Professor Harri Englund*University of Cambridge*

Liberal translations: slavery and humanity in nineteenth-century central Africa

£172,370

Dr Christopher Finlay*University of Birmingham*

The subject of legitimate violence: political ethics and the agents of force

£112,846

Professor Stephen Harrison*University of Oxford*

Love and the soul: Apuleius' tale of Cupid and Psyche in European culture since 1600

£155,108

Professor Elizabeth Harvey*University of Nottingham*

Making women work: gender, race and labour in Nazi-occupied Europe

£155,258

Professor Andrew Jones*University of York*

Using new biosocial data to explore inequality of opportunity in health

£164,836

Professor Caroline Knowles*Goldsmiths, University of London*

Serious money: a mobile investigation of plutocratic London

£168,903

Professor Graham Loud*University of Leeds*

The social world of the Abbey of Cava, c.1020–1300

£96,406

Professor Annalisa Marzano*University of Reading*

'Grafting glory': new plants, the economy and elite identity in Rome

£112,927

Professor Sharon Monteith*Nottingham Trent University*

The Civil Rights Movement: a literary history

£161,043

Professor Gregory Radick*University of Leeds*

Disputed inheritance: the battle over Mendel and the future of biology

£95,122

Dr Ulrike Roth*University of Edinburgh*

The child face of Roman slavery

£146,288

Professor Louisa Sadler*University of Essex*

Complementation patterns in vernacular Arabic

£107,645

Professor Jo Shaw*University of Edinburgh*

Building citizenship regimes: a global perspective

£143,622

Professor Christopher Smith*University of St Andrews*

The Roman kings: a study in archaeology, history and power

£173,897

Professor Alison Stone*Lancaster University*

Birth and philosophy

£67,782

Professor Mary Vincent*University of Sheffield*

Religious violence in the Spanish Civil War: iconoclasm and crusade

£95,051

Dr Genevieve Warwick*University of Edinburgh*

The mirrors of art: painting and reflection in early modern Europe

£143,803

Professor Diane Watt*University of Surrey*

Women's literary culture before the conquest

£102,256

Professor David Whyte*University of Liverpool*

Benchmarking corruption in the global north

£98,979

Dr Christina Young*Courtauld Institute of Art, University of London*

The power to transform: painted stage cloths in England

£158,746

PHILIP LEVERHULME PRIZES

Prize winners receive £100,000, to be used for any purpose that would advance their research.

Archaeology**Dr Susana Carvalho***University of Oxford*

Evolutionary origins of technological behaviour: a primate archaeology approach to chimpanzees

Professor Manuel Fernandez-Gotz*University of Edinburgh*

Identity and power: northeast Gaul from the early Iron Age until Romanisation, 600 BCE–70 CE

Dr Oliver Harris*University of Leicester*

Archaeological theory and Neolithic Britain

Dr Camilla Speller*University of York*

Human–environmental interactions, past health and disease

Dr Fraser Sturt

University of Southampton
Maritime prehistory and geoarchaeology

Chemistry

Dr John Bower

University of Bristol
Organic chemistry with a focus on transition metal catalysed methodologies

Professor Scott Cockroft

University of Edinburgh
Supramolecular and physical organic chemistry

Dr David Glowacki

University of Bristol
Molecular dynamics, biochemistry, environmental chemistry and computer science

Dr Susan Perkin

University of Oxford
Physical chemistry of liquids and the measurement of forces in soft condensed matter

Professor Aron Walsh

Imperial College London
Computational materials chemistry

Economics

Dr Vasco Carvalho

University of Cambridge
Macroeconomics with emphasis on business cycle fluctuations

Dr Camille Landais

London School of Economics and Political Science
Public finance and labour economics

Professor Kalina Manova

University of Oxford
International trade and investment

Professor Uta Schönberg

University College London
Labour economics

Dr Fabian Waldinger

University of Warwick
The economics of innovation, economic history and labour economics

Engineering

Dr Anna Barnett

University of Sussex
Semiconductor detectors for X-ray, beta particle and gamma-ray spectroscopy

Professor Cinzia Casiraghi

University of Manchester
Graphene, 2D materials, spectroscopy, ink-jet printing and flexible electronics

Dr David Connolly

Heriot-Watt University
The development of novel railway track infrastructure

Dr Alexandra Silva

University College London
Theoretical computer science, programming languages and verification

Dr Peter Vincent

Imperial College London
Computational fluid dynamics

Geography

Dr Katherine Brickell

Royal Holloway, University of London
Gender and feminist geography

Dr Vanesa Castán Broto

University College London
Urban transitions to sustainability

Professor Mark Graham

University of Oxford
Internet geography, information geography and development geography

Professor Harriet Hawkins

Royal Holloway, University of London
Cultural and social geographies, GeoHumanities, and geography and the arts

Dr David Thornalley

University College London
The study of past climate

Languages and Literatures

Dr William Abberley

University of Sussex
Relationships between Victorian literature and science, especially zoology

Professor Alexandra Harris

University of Liverpool
English literature, painting and place

Dr Daisy Hay

University of Exeter
Eighteenth- and nineteenth-century literature, life writing and biography

Dr Lily Okalani Kahn

University College London
Eastern European Hebrew language and linguistics

Dr Hannah Rohde

University of Edinburgh
Pragmatics of communication: computing meaning from language in context

EARLY CAREER FELLOWSHIPS

In 2016 Early Career Fellowships provided fifty percent of the salary costs of a three-year research position, up to £24,000 a year, with the host university providing the balance. Research expenses of £6,000 a year were also available.

Sciences

Dr Konstantin Barylyuk

University of Cambridge
High-resolution spatial proteomics of the model *apicomplexan Toxoplasma gondii*

Dr Martin Benning

University of Cambridge
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Thermochronology applications to glacial geomorphology and palaeoclimate studies

£34,490

Humanities

Dr David Farrier

University of Edinburgh

Unexpected encounters with deep time in contemporary poetry

£14,860

Dr Chloe Marshall

University College London

How much sign language can adults learn in just a few minutes?

£21,735

Dr Sinead O'Sullivan

Queen's University Belfast

Encoding knowledge in the textual culture of the early Middle Ages

£30,294

Professor Mark Pearce

University of Nottingham

Forging a new approach to ancient metal studies

£30,788

Professor Shengfeng Qin

Northumbria University

Transforming emotional design principles into crowdsourcing platform design

£19,973

Social Sciences

Professor Tobias Kelly

University of Edinburgh

Human rights and global justice

£10,650

Dr Roy Maconachie

University of Bath

Mining conflict, North and South: deepening the governance debate

£13,200

STUDY ABROAD STUDENTSHIPS

In 2016 Study Abroad Students received basic maintenance costs of £18,000 a year, travel costs and a contribution towards research expenses.

Sciences

Dr Tom Bullock

Harnessing incompatibility: the standard quantum limit and tight error bounds – Finland

Mr Anthony Carter

1,8-Naphthalimide based ligands for supramolecular lanthanide spintronics – Germany

Miss Emma Doherty

Masters in biological anthropology – Australia

Ms Rosie Drinkwater

Doctoral research in a novel method to assess the effects of forest degradation on mammal diversity – Denmark and Malaysia

Mr Luke McClean

MRes in coevolution of a little known brood parasite and its host: the honeyguide – South Africa

Dr Joanne Sampson

Complex nanomaterials from cyclic peptides – Australia

Miss Helen Scott

Masters in brain and cognitive sciences – The Netherlands

Humanities

Dr Anna Cant

The sound of modernity: radio education in rural Colombia, 1960–1980 – Colombia

Dr Silvia Espelt Bombin

Making peace in the Brazilian Amazon and the Guianas, 1600–1820 – Portugal

Miss Anna Fernandez De Paco

Directing documentary and narrative film – Bosnia and Herzegovina

Mr David Jervis

Masters in orchestral performance – Germany

Mr James Norrie

Transforming ideology and the cult of saints in the eleventh century – Italy

Mr Samuel O'Donoghue

The holocaust in Spanish culture under Franco – Spain

Miss Isabel Stokholm

Doctoral research on fathers and sons? Uncovering cross-generational relations in the Russian art world – Russia

Social Sciences

Mr William Altoft

Masters of science in international development studies – Norway

Mr Matthew Bamber

Doctoral research in a comparative study of Islamic State's contemporary state-building strategy across Iraq, Syria, Libya and Nigeria – Switzerland

Ms Antonia Foldes

MA in European studies – Poland

Mr Benjamin Lawrence

Doctoral research in Cambodia's competing constitutional sites and spirits – Cambodia

Miss Caitlin McCormack

MSc in rural development and natural resource management – Sweden

Mr Stephen Millar

Sounding dissent: music, resistance and Irish Republicanism – Republic of Ireland

Ms Philippa Morgan

Doctoral research in international politics – China

Ms Densua Mumford

Doctoral studies in empowering international parliaments: the East African legislative assembly – Switzerland

Ms Martha Nicholson

MA in public health sciences – Sweden

Dr Natalie Papanastasiou

European governance as scalecraft – The Netherlands

Mr Benjamin Radley

Doctoral research in foreign direct investment and capitalist development in the Democratic Republic of the Congo – *Democratic Republic of the Congo*

Mr Adam Wood

Doctoral research on Italy's school-building programme: designing space for people? – *Italy and Australia*

VISITING PROFESSORSHIPS**Sciences****Sir John Ball**

University of Oxford

Visiting Professor – Professor Richard James
£36,000

Professor Mark Blamire

University of Cambridge

Visiting Professor – Professor Alexander Buzdin
£91,620

Dr Coralia Cartis

University of Oxford

Visiting Professor – Professor Katya Scheinberg
£27,910

Professor Zoran Cvetkovic

King's College London

Visiting Professor – Professor Urbashi Mitra
£66,310

Dr Antony Darby

University of Bath

Visiting Professor – Dr Kent Harries
£59,216

Professor Robert Fender

University of Oxford

Visiting Professor – Dr Jorge Casares
£25,300

Professor Alan Heavens

Imperial College London

Visiting Professor – Professor Eric Feigelson
£17,560

Professor Anthony Kenyon

University College London

Visiting Professor – Professor Enrique Miranda
£29,436

Professor Alfonso Martinez Arias

University of Cambridge

Visiting Professor – Dr Pierre-François Lenne
£48,300

Dr Catherine Merry

University of Nottingham

Visiting Professor – Professor John Whitelock
£36,165

Professor Paul Midgley

University of Cambridge

Visiting Professor – Professor Michael Treacy
£87,469

Professor Alan Penn

University College London

Visiting Professor – Professor David Kirsh
£87,225

Professor Helen Petrie

University of York

Visiting Professor – Professor Ioannis Darzentas
£97,970

Professor Jonathan Tennyson

University College London

Visiting Professor – Professor Trevor Sears
£2,131

Dr Henry Wilton

University of Cambridge

Visiting Professor – Professor Marc Burger
£19,655

Professor Peter Winlove

University of Exeter

Visiting Professor – Professor Sophie Brasselet
£60,004

Professor Anatoly Zayats

King's College London

Visiting Professor – Professor Sergey Bozhevolnyi
£20,223

Humanities**Professor Mark Connelly**

University of Kent

Visiting Professor – Professor Sophie De Schaepdrijver
£78,920

Dr Tony Fisher

Royal Central School of Speech and Drama

Visiting Professor – Professor Christopher Balme
£23,280

Dr Maki Fukuoka

University of Leeds

Visiting Professor – Ms Pauline J Yao
£34,088

Mr Ken Grant

University of Ulster

Visiting Professor – Ms Corinne Noordenbos
£7,899

Dr Nioclás MacCathmhaoil

University of Ulster

Visiting Professor – Dr Matthew Driscoll
£88,052

Professor John McLeod

University of Leeds

Visiting Professor – Dr Tabish Khair
£86,924

Professor Barry Smith

School of Advanced Study, University of London

Visiting Professor – Professor Vincent Hayward
£130,478

Dr Jonny Steinberg

University of Oxford

Visiting Professor – Professor Barbaro Martinez-Ruiz
£80,048

Social Sciences**Professor Laleh Khalili**

SOAS, University of London

Visiting Professor – Professor Neve Gordon
£90,800

Dr Caroline Morris

Queen Mary, University of London

Visiting Professor – Dr Baldur Thorhallsson
£14,500

Dr Aoileann Ní Mhurchú

University of Manchester

Visiting Professor – Professor V. Spike Peterson
£51,962

Professor Steve Rayner

University of Oxford

Visiting Professor – Dr Lisa Dilling
£35,928

INTERNATIONAL NETWORKS**Sciences****Dr Elisabeth Bowman**

University of Sheffield

The Rosetta Stone Network: physical testing towards a common understanding of debris flows
£125,000

Professor Bill Clyne

University of Cambridge

A new generation of metal-fibre-reinforced ceramics for very high temperatures
£123,752

Dr Phillipa Gillingham

Bournemouth University

Up scaling microclimate to macro-ecological importance for global conservation
£83,196

Professor Beverley Inkson

University of Sheffield

PicoFIB network: fundamentals of atom patterning using focussed gas-ion beams
£125,765

Dr Katrin Leschke

University of Leicester

Minimal surfaces: integrable systems and visualisation
£105,520

Humanities

Professor Julia Barrow

University of Leeds

Rethinking reform 900–1150: conceptualising change in medieval religious institutions
£83,301

Professor Anna Fox

University for the Creative Arts

Fast forward 2; an international network investigating women in photography now
£124,475

Dr Emma Hornby

University of Bristol

Processional chants in early medieval Iberia: liturgy, melody, continuity
£76,462

Professor Jiehong Jiang

Birmingham City University

Everyday legend: reinventing traditions in Chinese contemporary art
£95,114

Dr James Scorer

University of Manchester

Comics and the Latin American city: framing urban communities
£95,912

Professor Joanna Story

University of Leicester

Networks of knowledge in early medieval Europe: insular manuscripts, 650 CE–850 CE
£87,507

Dr Stephan Torre

University of Aberdeen

What's so special about first-person thought?
£96,782

Social Sciences

Professor Ian Davies

University of York

Youth activism, engagement and the development of new civic learning spaces
£122,857

Professor Diana Mitlin

University of Manchester

Achieving inclusive cities through scaling up participatory planning in Africa
£120,212

Professor Jane Seale

Open University

Disabled students, ICT, post-compulsory education and employment: in search of new solutions
£123,911

Dr Mark Thurner

School of Advanced Study, University of London

Border crossings: Latin America and the global history of knowledge
£124,022

ARTIST IN RESIDENCE GRANTS

Professor Anthony Bale

Birkbeck, University of London

Artist: Mr Shay Hamias – animation
£14,932

Dr Agnieszka Bronowska

Newcastle University

Artist: Ms Shelly Knotts – composer/sound art
£13,028

Dr Paul Chazot

Durham University

Artist: Dr Laura Johnston – glass art
£15,000

Professor Lars Chittka

Queen Mary, University of London

Artist: Dr Robert Hudson – drama/writing
£14,875

Dr Siobhan Daly

Northumbria University

Artist: Dr Michele Allen – photography/sound/video
£15,000

Dr Claire Dwyer

University College London

Artist: Mr Tom Bailey – theatre
£14,375

Dr Michael Gallagher

Manchester Metropolitan University

Artist: Dr Mark Wright – sound art
£15,000

Dr Giles Gasper

Durham University

Artist: Miss Alexandra Carr – sculpture
£14,975

Mr Ruairi Glynn

University College London

Artist: Ms Amy Croft – mixed media
£15,000

Dr Onni Gust

University of Nottingham

Artist: Dr Michael McMillan – writing/drama
£14,477

Professor Andrew Hodson

University of Sheffield

Artist: Ms Naomi Hart – multimedia
£15,000

Dr Andrew King

Swansea University

Artist: Ms Heather Barnett – multimedia
£14,970

Professor Simon Kirby

University of Edinburgh

Artist: Ms Hanna Tuulikki – art/music
£14,922

Dr Robert Neely

University of Birmingham

Artist: Ms Anna Dumitriu – multimedia
£14,998

Professor Martin Polley

De Montfort University

Artist: Mr Jamie Shovlin – film
£15,000

Dr Rachel Rich

Leeds Beckett University

Artist: Miss Catherine Bertola – visual art
£15,000

Dr Jean-Xavier Ridon

University of Nottingham

Artist: Mr Frédéric Lecloux – photography
£15,000

Dr Amanda Rogers

Swansea University

Artist: Dr Bridget Keehan – theatre
£13,776

Dr Tiffany Watt-Smith

Queen Mary, University of London

Artist: Mr Mervyn Millar – puppet theatre
£12,500

Ms Cathy Williams

University of Bristol

Artist: Mr Luke Jerram – multimedia
£14,825

Professor Rachel Woodward

Newcastle University

Artist: Ms Paula Turner – dance/choreography
£13,818