



2010 Newton Fellows

Alex Alvarado

Fundamental limits of bit-interleaved coded modulation

University of Cambridge

Florencia Barrios

Does time spent on the inside or outside influence cell fate decisions in the mouse embryo?

University of Cambridge

Dejan-Kresimir Bucar

Cocrystals with advanced surface and bulk properties: engineering and applications

University of Cambridge

Khadija Carroll

Visual and verbal taxonomy from object collections from the British colonies

University of Cambridge

Michele Ceriotti

Quantum nuclei in ab-initio molecular dynamics

University of Oxford

Elena Chekmeneva

Cooperativity in molecular recognition

University of Sheffield

Xia Chen

Novel functional components for high-speed energy-efficient photonic interconnects

University of Surrey

Karen Hoi-yan Cheung

Monitoring of stress transferability and biodegradability of silk-reinforced PLA bone plates

University of Cambridge

Claudio Chiarolla

Intellectual property strategies for low carbon technology research, development and diffusion

School of Oriental and African Studies

Vojtech Forejt

Verification of nondeterministic and stochastic systems with time

University of Oxford

Jingyan Fu

Plk4, Asterless, Sas4 interactions in centriole formation and function

University of Cambridge

Sushobhan Ghosh

Interaction of metal complexes with quadruplex DNA as molecular probes and oncogene regulators

Imperial College London

Pavel Ginzburg

Quantum emitters in nano-plasmonic environment

King's College London

Isabel Guillamón

Iron-based superconductivity: Fermi surface and superconducting gap anisotropy

University of Bristol

Igor Gutierrez-Zugasti

Climatic change and coastal settlement in Northern Spain during the Pleistocene-Holocene transition

University of York

Marek Jankowiak

The Oriental trade between the Muslim lands and Northern Europe in the 9th and 10th centuries

University of Oxford

Ronald Jennings

Global subjects: Legal anthropology in the age of cosmopolitan law

London School of Economics & Political Science

Xiong Jin

Multifractal analysis of measures on random curves

University of St Andrews

Aras Kartouzian

Controlling surface chemistry on isolated size-selected metal clusters

University of Oxford

Tsan Yuk Lam

Combining genomic and epidemiological data to test models of influenza evolution

University of Oxford

Stefanie Liebe

The effect of functionally targeted single cell stimulation on neural activity and visual perception

University College London

Julian Mauricio Londono Monsalve

Enhanced structural control systems for damage reduction under earthquakes

University of Bristol

Allyson MacLean

The role of potential mobile units in phytoplasma adaptation to insect hosts

John Innes Centre

Chitra Murali

A multiscale approach to estimating non-Newtonian nature of human blood

Swansea University

Ghulam Nadri

The political economy of the indigo industry and trade in South Asia, 1500-1900

London School of Economics & Political Science

Hiroataka Nakamura

Study on a relativistic oscillating mirror for novel radiation sources and electron jets

Imperial College London

Javier Navaridas

Networks-on-chip: Automatic network selection and synthesis of GALS

University of Manchester

Julien Oster

Suppression of magnetohydrodynamic effect on electrocardiogram in magnetic resonance imaging

University of Oxford

Yong Sung Park

Dynamic response of stratified, non-Newtonian, cohesive sediments to ocean surface waves

University of Dundee

Cedric Patthey

Evolution of placode-derived cell types assessed by transcriptome analysis

University of Oxford

Anna Pegoretti

Franciscan Florentine culture in the age of Dante

University of Leeds

Bruno Perreau

What's a family? Social work and gay adoption in France and in the United Kingdom

University of Cambridge

Aglae Pizzone

When Homer met Phantasia: Epic poetry and entertainment literature in Byzantium

University of Durham

Joshua Plotnik

A proximate understanding of cooperative behaviour in corvids and elephants

University of Cambridge

Helene Posson

Turbomachinery broadband noise prediction

University of Cambridge

Santitham Prom-on

Modelling speech prosody based on communicative function and articulatory dynamics

University College London

Simon Puglisi

Ranked document retrieval for general text indexes

King's College London

Laura Ross

Genomic conflict in scale insects: the causes and consequences of bizarre genetic systems

University of Oxford

Daniel Roy

Probabilistic programming and random data structures: Theory and algorithms

University of Cambridge

Shovonlal Roy

Remote-sensing based mathematical modelling on spectral regulation of mixed-layer and plankton bloom

University of Oxford

Vinodkumar Saranathan

Social hierarchy and sexual selection in blue tits: A robust biophysical approach

University of Oxford

Florian Steinberg

Role of SNX4:SNX7 and SNX4:SNX30 complexes in surface receptor recycling and cell motility

University of Bristol

Kartic Subr

Monte Carlo matrix chain product estimation for image synthesis

University College London

Paul Ugor

Reconstructing identities in precarious times: Youth and the politics of culture in Nigeria

University of Birmingham

Maxime Viallet

Implicit hydrodynamic simulations of stellar physics processes

University of Exeter

Zoe Elizabeth Wilson

Towards the second generation synthesis of azadirachtin

University of Cambridge

Amy Wyatt

The role of clusterin in age-related macular degeneration

University College London

Chuanlong Xu

Study of biomass/coal flow characteristics through sensor integration and multi-scale data fusion

University of Kent at Canterbury

Yan Yun

Household wealth of the elite families in Qing China: Life and material culture

University of Oxford

Junshan Zhou

Comparison of the elderly community care system in China and the United Kingdom

University of Sheffield

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