

2009 Newton International Fellows

Dr Shaikh Faruque Ali
Dynamics and control of smart structural systems with uncertainty
Swansea University

Dr Alexandra Alvergne
Social influence on the diffusion of cultural innovation: the case of modern contraception
University College London

Dr Nobuko Anan
Playing with the West: parody in contemporary Japanese women's performance
University of Warwick

Dr Mariya Bivolarska
Microscopy of living cells using parallel plasmon enhanced photothermal microscopy
University of Nottingham

Dr Matthew Blaschko
Statistical learning approaches to semantic computer vision
University of Oxford

Dr Vaclav Brozek
Model checking problems for infinite state stochastic games
University of Edinburgh

Dr Mirna Chahine
The role of nuclear import in differentiation of the human embryonic stem cell derived cardiomyocyte
Imperial College London

Dr Emmanuelle Crost
Microbiota/host interactions in the human gut: role of *Ruminococcus gnavus* E1 in mucins' degradation
Institute of Food Research

Dr Hanyin Cui
Estimation of inclusion size and number distribution in liquid metals using ultrasonic methods
University of Durham

Dr Omer Dushek
Investigating signal initiation in T cell receptor clusters
University of Oxford

Dr Nurhan Ecemis
The micromechanics of soil liquefaction during earthquakes
Imperial College London

Dr Goki Eda
Large-area thin films from graphene
Imperial College London

Dr Benoît Fauqué
Nature of the electronic ground state of a 3D metal near the quantum limit
University of Bristol

Dr Ariel Feldman
Joshua and his texts in Second Temple times
University of Manchester

Dr James Andrew Gillis
Development and evolution of the vertebrate pharyngeal endoskeleton
University of Cambridge

Dr Jörg Götte
Displacing light beams with surface metamaterials
University of Bristol

Dr Marcin Gruszecki
Magnetohydrodynamic wave diagnostics of space plasmas
University of Warwick

Dr Maria Rosa Guerrieri
The role of nitrogen deposition in driving carbon uptake by forest ecosystems
University of Edinburgh

Dr Zhipeng Guo
Study of solidification dynamics under applied external physical fields
University of Oxford

Dr Pedro Hallal
Effects of early life exposures on physical activity and body composition throughout the lifespan
Institute of Child Health

Dr Sridhar Hariharaputran
An integrated network of metabotropic glutamate receptor interactions
Royal Holloway, University of London

Dr Dong-Ku Kang
High-throughput droplet-based microfluidic systems for analysis of protein-protein interactions
Imperial College London

Dr Chenfeng Ke
Towards glucose sensing with synthetic lectins
University of Bristol

Dr Konstantinos Kostarakos
The sensory-to-motor interface of cricket auditory behaviour
University of Cambridge

Dr Pintu Kumar Mandal
Novel carbohydrate inhibitors for bacterial toxins
University of Leeds

Dr Fabiana Li
Gold and glaciers: an ethnography of equivalence and incommensurability in the global economy
University of Manchester

Dr Yixian Lin
Early glass and pigments from Majiayuan Cemetery, Gansu, China
University College London

Dr Amos Madhlopa
Development of a dynamic model for computation of solar distribution in a double-slope solar still
University of Strathclyde

Dr Tamar R Makin
Functional consequences of multisensory plasticity following hand amputation in the human brain
University of Oxford

Dr Sonali Nag
Children at risk for reading difficulties in Kannada, an Indian alphasyllabary.
University of York

Dr Pablo Navarro
Analysis of the gene regulatory network controlling ES cell identity
University of Edinburgh

Dr Thao Nguyen
A replicable and sustainable ICT-enabled business model to benefit women-run micro-enterprises
Royal Holloway, University of London

Dr Kate Nixon
Fundamental studies of the ionization of laser-aligned atoms & molecules by low energy electrons.
University of Manchester

Dr Chukwuma Okoye
The postcoloniality of African theatre and performance
University of Leeds

Dr Christopher Olivola
From fundamental psychological principles to the valuation of human lives
University College London

Dr Kirill Ospovat
Socializing culture: court society, patronage and culture in eighteenth-century Russia
Queen Mary, University of London

Dr Maria Pala
Origins and expansion of mitochondrial DNA haplogroup HV and the modern human settlement of West Eur
University of Leeds

Dr Ali Usman Qasmi
Exploring pluralism in Islamic traditions: the Shia Muslims of Punjab since 1857
Royal Holloway, University of London

Dr Huanguang Qiu
The economics of biofuel production: social and environmental impacts in China
School of Oriental and African Studies

Dr Harapriya Rath
Porphyrins and expanded porphyrins as linkers between heterometallic rings
University of Manchester

Dr Guillaume Saint-Guillain
Identities, colonialisms and state transformations in the thirteenth century Mediterranean
King's College London

Dr Arjan Schakel
Regional reform and territorialization of party systems
University of Edinburgh

Dr Simone Severini
Quantum networks dynamics
University College London

Dr Shad Siddiqui
Mechanistic study of formation of kinetically-trapped nanoemulsions for future health foods
University of Birmingham

Dr Yonatan Sivan
Bringing together metamaterials and nonlinear optics
Imperial College London

Dr Kyriaki Skartsila
Hydroxylapatite nanoparticles: their reactivity and potential toxicity
Natural History Museum

Dr Yury Suleymanov
Quantum mechanical effects in chemical reaction rates
University of Oxford

Dr Masayoshi Tanaka
Biomimetic fabrication of highly regulated, biocompatible, nanowires using tubulated liposomes
University of Leeds

Dr Fang Wang
A new sub-grid scale two-phase turbulent combustion model using fully-resolved direct numerical simulation
University of Sussex

Dr Pavlos Xenitidis
Symmetries and integrability of lattice equations and related partial differential equations
University of Leeds

Dr Rui Yang
Electrically small antennas loaded with metamaterials for body-centric wireless communications
Queen Mary, University of London