

London's Global University



A World-Leading University

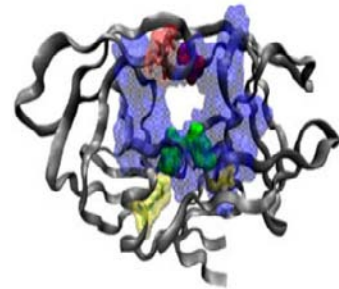
- London's Global University - based in the heart of London
- Excellence across the board; from one of Europe's largest and most productive centres for biomedical science, to world-renowned centres for architecture and fine art
- Established in 1826 in order to open up education in England-the first university to welcome students of any race, class or religion and the first to admit women on equal terms with men
- Today we have 22,000 students, 8,000 staff, 4,000 researchers of whom 2,000 are FT academic staff

UCL is an Academic Powerhouse:

- **21 Nobel prizewinners** amongst past and present members
- **4th in the world** in the QS Rankings
- **Number one for research in London** and third in the UK overall

UCL people have been responsible for:

- conducting the first operation under anaesthetic in Europe
- recording and identifying fingerprints, and so changing the face of crime science
- identifying hormones and vitamins
- the discovery of inert gases
- the discovery of how nerve impulses are transmitted and carried across synapses
- inspiring nations – Mahatma Gandhi, Jomo Kenyatta



UCL is an Academic Powerhouse...contd

...and today are

- at the forefront of HIV research
- developing the clinical use of stem cells in heart disease, blindness and spinal cord repair
- continuing to lead the fight against crime
- discovering the smallest planets outside the solar system
- shaping the next generation of artists and architects

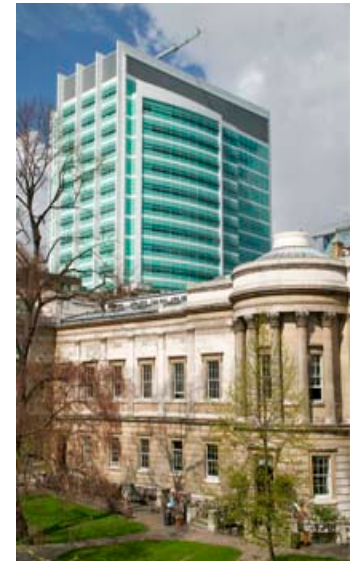


Progress through Partnership

UCL has developed partnerships with organisations across London, the UK and the world.

Through these dynamic collaborations, UCL has a unique perspective which leads to real solutions.

- UCLP/AHSC-working with 11 associated teaching hospitals to provide Londoners with first-rate healthcare and to contribute to major advances in medical research
- working with partner organisations to create Europe's leading centre for medical research – the *UK Centre for Medical Research and Innovation* in London



Progress through Partnership...contd

- UCL and Yale are working together to improve global health through scientific research, clinical and educational collaboration
- UCL is aiding in the conservation of antiquities in Iraq and partnering Qatar to set up a programme in to train museum conservators across the Gulf
- UCL is helping to set up a new university in Kazakhstan including a School of Engineering
- UCL is the first UK university with a campus in Australia through the establishment of the UCL School of Energy & Resources in Adelaide.

Research with Impact

From legal reform to carbon capture, UCL ideas are changing everyday lives.

UCL's research strategy is addressing the world's 'Grand Challenges' - tackling the problems that face us today

- Global Health
- Sustainable Cities
- Intercultural Interaction
- Human Wellbeing

UCL academics work together across the university – crossing disciplinary boundaries – and with partners across the world.




UCL Grand Challenges

- UCL Grand Challenges of **Global Health, Sustainable Cities, Intercultural Interaction** and **Human Wellbeing**
- major problems in these areas are complex and systemic
- need for researchers to interact across and beyond their conventional disciplinary boundaries
- UCL's collective expertise can then be made even greater than the sum of its parts
- analysis of profound and complex problems from multiple perspectives, in order to develop wise and timely solutions



ETHICS AND JUSTICE LANGUAGE AND COMMUNICATION PHILOSOPHY AND POLITICAL SCIENCE
SUSTAINABLE HERITAGE UCL CENTRE FOR INTERCULTURAL STUDIES ESRC CENTRE FOR ECONOMIC & SOCIAL POLICY
DEVELOPMENT AND PLANNING ECONOMICS GENDER AND SEX CANCER TRANSPORT NEUROSCIENCE
CENTRE FOR MATHEMATICS & PHYSICS IN THE LIFE SCIENCES UCL CANCER INSTITUTE
PLANNING AND PLANNING NANOTECHNOLOGY HEALTH INFORMATICS URBAN SUSTAINABILITY UCL CANCER INSTITUTE
MEDICAL ANTHROPOLOGY GOVERNANCE AND PUBLIC POLICY CHILD HEALTH COMPUTING DRUG DISCOVERY UCL INFECTION & IMMUNITY
BENFIELD UCL HAZARD RESEARCH CENTRE UCL CENTRE FOR INTERNATIONAL HEALTH & DEVELOPMENT UCL ENVIRONMENT AND COMMUNITY
GLOBALISATION ENVIRONMENTAL LAW IDENTITY HUMAN RIGHTS GENETICS AND AGEING NATURAL HAZARDS COMPUTING ETHICS
UCL CENTRE FOR SECURITY & CRIME SCIENCE UCL ENERGY INSTITUTE UCL INSTITUTE FOR COGNITIVE NEUROSCIENCE UCL CENTRE FOR POLITICAL ECONOMY

























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 Communication, Language & Hearing		 Risk & Security
		 Systems Engineering



What is IRIS?

Access the wealth of UCL research in one place

Institutional Research Information System (IRIS) is the research management portal for UCL, IRIS seeks to:

Support external and international collaboration.

Deliver institutional perspective on UCL's research activities of researchers, research groups, research centres.

Reduce the administrative effort required to meet the changing demands of research assessment, monitoring and audit.

Assist individuals to meet the many and varying demands for information about their research.



Researchers

Prof David Price

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Appointment **Professor of Mineral Physics**
 VP: Research
 Office of the President & Provost

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Prof David Price

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7 Research Activities

Nanostructure in iron oxides

01-SEP-1977 – 30-SEP-1980

The determination, via transmission electron microscopy (TEM), of the exsolution mechanism involved in the break down of the titanomagnetite solid solution series, and the kinetic modelling of the resulting exsolution phenomena to obtain quantitative estimate of the cooling rates or associated thermal histories of their host rock.

Status: Active

Atomistic simulation of silicates


01-JAN-82 – 31-DEC-98

His crystallographic work led Price to use and develop atomistic simulations to study the energetics and stability of major Earth-forming minerals. He led in developing quantitative descriptions of inter-atomic interactions in silicates. He used these (i) to provide some of the first simulations of the free energies and elastic behaviour of major mantle forming phases, (ii) to calculate their point defect energies and diffusion behaviour, and (iii) to predict the high pressure melting




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SEARCH

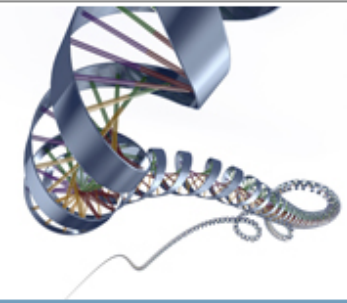
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UCL Research

UCL Grand Challenges is a major initiative using UCL's vast collective expertise to resolve complex and systemic global problems. [More »](#)

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Featured: London's congestion charge

On 17 February 2003, one of the world's largest and most ambitious plans to tackle urban congestion began, with the introduction of a congestion charge for central London. It is hoped that this £5 daily charge for many vehicles entering the Inner Ring Road charging zone will significantly reduce the level of congestion faced by those travelling into and out of central London both by private and by public transport.

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Emergency UCL Discovery outage: 17.00 - 17.30 Thursday 3rd February 2011

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