

Daiwa Adrian Prizes 2010 – WINNERS ANNOUNCED

Winners of the seventh Daiwa Adrian Prizes, the prestigious awards for scientific excellence in the UK and Japan, have been announced.

Following an assessment conducted by a panel of Fellows of the Royal Society, the Trustees of The Daiwa Anglo-Japanese Foundation have awarded six Daiwa Adrian Prizes of £10,000 to joint UK-Japan scientific research teams.

Daiwa Adrian Prizes are awarded by The Daiwa Anglo-Japanese Foundation on a triennial basis in recognition of significant scientific collaboration between British and Japanese research teams. They were established in 1992 and subsequently renamed to commemorate the late Lord Adrian, a founding Trustee of the Foundation, at whose initiative the Prizes were established.

Since their launch, £405,000 in Prizes has been awarded to 51 different institutions, 26 from the UK and 25 from Japan – recognising cross-cultural collaboration and reflecting the breadth and diversity of scientific achievement by scientists in the two countries.

Previous Daiwa Adrian Prizes have supported new frontiers in areas as diverse as antibiotics research, plasma physics, aerospace exploration and asthma research.

Daiwa Adrian Prizes 2010 – WINNERS:

The Evolutionary and Spatial Dynamics of Human Viral Pathogens. Investigation of the spread of human viruses, particularly HIV and Hepatitis C, why outbreaks begin at certain times and in certain locations, and why virus strains follow particular routes when they disseminate internationally.

University of Oxford

Dr Oliver Pybus (Team Leader)

National Institute of Infectious Diseases

Dr Yutaka Takebe (Team Leader)

Photonic quantum information science and technology. Development of new technologies based on harnessing quantum mechanics – the fundamental physics theory governing behaviour at the microscopic scale.

University of Bristol

Professor Jeremy O'Brien (Team Leader)

Hokkaido University, Osaka University

Professor Shigeki Takeuchi (Team Leader)

Non-linear cosmological perturbations. Providing theoretical predictions from the very early universe physics for the statistical properties of primordial curvature perturbations.

University of Portsmouth

Professor David Wands (Team Leader)

Kyoto University

Professor Misao Sasaki (Team Leader)

Nonlinear dynamics of cortical neurons and gamma oscillations - from cell to network models. Advancement of knowledge of the basic operation of brain networks, contributing to understanding of disorders such as schizophrenia, Alzheimer's disease and epilepsy.

University of Cambridge, Harvard University, Karolinska

Institutet

Dr Hugh Robinson (Team Leader)

University of Tokyo, Osaka University

Professor Kazuyuki Aihara (Team Leader)

Use of genomics to understand plant-pathogen interactions. Understanding plant pathogen interactions to enhance knowledge on plant disease control.

The Sainsbury Laboratory

Professor Sophien Kamoun (Team Leader)

Inate Biotechnology Research Center

Dr Ryohei Terauchi (Team Leader)

Phase space analysis of partial differential equations. Analysis of a range of properties exhibited by solutions to evolution partial differential equations which are of major importance in many different sciences.

Imperial College London

*Nagoya University, Tokai University, Yamaguchi University,
Osaka University*

Professor Michael Ruzhansky (Team Leader)

Professor Mitsuru Sugimoto (Team Leader)

Further information about Daiwa Adrian Prizes and the application form are available from www.dajf.org.uk/dap

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NOTES FOR EDITORS:

The Daiwa Anglo-Japanese Foundation is a UK charity, established in 1988 with a generous benefaction from Daiwa Securities Co Ltd. The Foundation's purpose is to support closer links between Britain and Japan.

It does this by:

- making grants available to individuals, institutions and organisations to promote links between the UK and Japan in all fields of activity
- enabling British and Japanese students and academics to further their education through exchanges and other bilateral initiatives
- awarding of Daiwa Scholarships for British graduates to study and undertake work placements in Japan
- organising a year-round programme of events to increase understanding of Japan in the UK

Daiwa Foundation Japan House, the London-based headquarters, acts as a centre for UK-Japan relations in Britain by offering a wide programme of seminars, exhibitions and book launches as well as meeting rooms for Japan-related activities and facilities for visiting academics.

The Foundation is represented in Japan by its Tokyo Office, which provides local assistance to Daiwa Scholars and administers grant applications from Japan. It also handles general enquiries, and forms part of the network of organisations supporting links between the UK and Japan.

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The Daiwa Anglo-Japanese Foundation – Daiwa Adrian Prizes