

# SET FOR BRITAIN

On Monday 12th March SET for BRITAIN 2012 was held in the House of Commons Terrace Marquee. Andrew Miller MP, Chairman of the Parliamentary and Scientific Committee, acted as host to 180 early-career researchers who brought their posters to Westminster to take part in the competition and to show their research to Members of both Houses of Parliament, 90 of whom attended.

The competition was divided into three sections: Biological and Biomedical Sciences, Physical Sciences (Chemistry and Physics) and Engineering. The posters in each section were judged by panels of experts from the Society of Biology, The Physiological Society, the Royal Society of Chemistry, the Institute of Physics and the Royal Academy of Engineering.

Medals were awarded to the winners of each session, together with Gold, Silver and Bronze Awards of cash prizes. These awards were made possible by generous donations from BP, EADS, Airbus, AgChemAccess, the Institution of Engineering and Technology, the Institute of Biomedical Science, Oxford Instruments, GE Hitachi and the Wellcome Trust.

The final award was the Westminster Medal, donated by the SCI in memory of Dr Eric Wharton, who founded SET for BRITAIN and, with his wife Sue, ran the events for many years. The winners of the four Gold awards were judged on the strength of their skill in communicating the scientific concept in their poster by Sir John Beddington, Government Chief Scientific Adviser, Lord Krebs and Andrew Miller MP, Chairmen of the Science and Technology Select Committees in both Houses of Parliament.

## PRIZE WINNERS

### Biological and Biomedical Sciences

**Gold Award:** £3,000 and the GW Mendel Medal: **Mr Nicholas Love**, Faculty of Life Sciences, University of Manchester: HYDROGEN PEROXIDE AS A NOVEL AND NECESSARY REGULATOR OF APPENDAGE REGENERATION

**Silver Award:** £2,000: **Miss Renata Gomes**, Physiology, Anatomy and Genetics, University of Oxford: NANOPARTICLES FOR SIMULTANEOUS MRI TRACKING AND MICRORNA DELIVERY



#### Biology Prizewinners

Prizewinners in the Biology session with Dr Philip Wright, The Physiological Society, Dr Stephen Benn and Dr Mark Downs, Society of Biology, Andrew Miller MP and Jill Rodney, Institute of Biomedical Science.



#### Engineering Gold

Jeannette Heiligers, winner of the Engineering Gold award, with Neil Scott, Airbus, and Sir John Parker, Royal Academy of Engineering.



#### Engineering Silver

Dr Simon Leigh with Ben Rudd, Institution of Engineering and Technology, and Sir John Parker, Royal Academy of Engineering.



#### Engineering Bronze

Jonathan Dewsbury with David Powell, GE Hitachi, and Sir John Parker, Royal Academy of Engineering.



#### Physical Sciences Group Winners

Winners in the Physical Sciences session with Lynn Shepherd, Oxford Instruments, Gary Phillips, AgChemAccess, Dr Stephen Benn, Andrew Miller MP, Professor Sir Peter Knight, Institute of Physics, Dr Ellen Williams, BP, and Professor David Phillips, Royal Society of Chemistry.

**Bronze Award:** £1,000: **Dr Christopher Burt**, Disease and Stress Biology, John Innes Centre, Norwich: EYESPOT DISEASE OF WHEAT: PROBLEM SOLVED?

**Physical Sciences (Chemistry and Physics)  
Chemistry**

**Gold Award:** £3,000 and Roscoe Medal: **Dr Matthew Powner**, Department of Chemistry, University College London: THE CHEMICAL ORIGINS OF LIFE

**Silver Award:** £2,000: **Miss Laura Davies**, School of Chemistry, Newcastle University: TAMING A FUNCTIONAL GROUP: THE FIRST AIR-STABLE FLUORESCENT PRIMARY PHOSPHINES AND THEIR APPLICATIONS IN DISEASE IMAGING

**Bronze Award:** £1,000: **Mr Alessandro Poma**, Cranfield Biotechnology Centre, Cranfield University: SOLID-PHASE SYNTHESIS OF MOLECULARLY IMPRINTED NANOPARTICLES ("PLASTIC ANTIBODIES")

**Physics**

**Gold Award:** £3,000 and Cavendish Medal: **Dr Kevin O'Keeffe**, Department of Physics, University of Oxford: QUASI-PHASE-MATCHED HIGH HARMONIC GENERATION

**Silver Award:** £2,000: **Miss Hannah Arnold**, Department of Physics, University of Oxford: RELIABLY PREDICTING UNCERTAINTY IN WEATHER AND CLIMATE FORECASTS

**Bronze Award:** £1,000: **Dr Daniel Elford**, Department of Physics, Loughborough University: NOVEL NOISE BARRIER TECHNOLOGY

**Engineering**

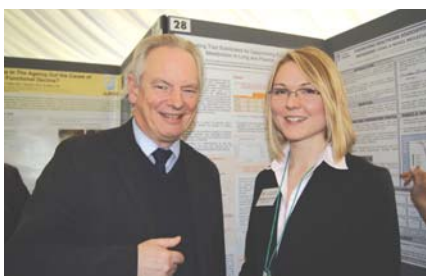
**Gold Award:** £3,000 and Engineering Medal: **Miss Jeannette Heiligers**, Mechanical and Aerospace Engineering, University of Strathclyde: POLE-SITTER SPACECRAFT FOR EARTH OBSERVATION

**Silver Award:** £2,000: **Dr Simon Leigh**, School of Engineering, University of Warwick: 'CLICK TO MANUFACTURE' SENSORS AND ELECTRONICS

**Bronze Award:** £1,000: **Mr Jonathan Dewsbury**, Ground Engineering, Buro Happold Ltd Bath/University of Southampton: RE-USING FOUNDATIONS

**Westminster Medal in memory of Dr Eric Wharton (overall winner):**

**Mr Nicholas Love**, Faculty of Life Sciences, University of Manchester: HYDROGEN PEROXIDE AS A NOVEL AND NECESSARY REGULATOR OF APPENDAGE REGENERATION



Francis Maude MP and Eleanor Knight



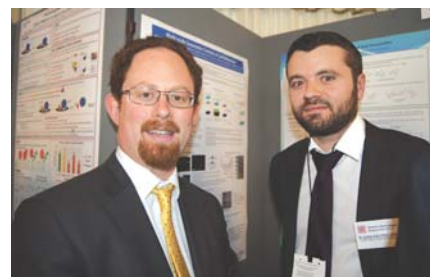
Julie Hilling MP, Thomas Benians & Hilary Benn MP



Mark Field MP & Dan Cregington



Lilian Greenwood MP, Kim Hardie, Dina Lary



Julian Huppert with Julien Gautrot



Sue Wharton presenting the Westminster medal to Nicholas Love



Chi Onwura MP & Alexander Nicholson



Gold award winners from all sections with the Westminster Medal judges, winners in the Engineering section, Sue Wharton and other members of the organising team.