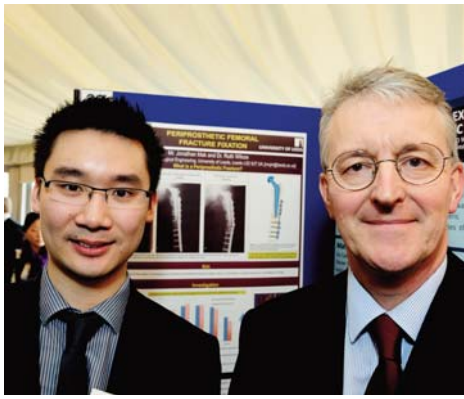
SET FOR BRITAIN 2011

On Monday 14th March 2011 Andrew Miller MP, Chairman of the Parliamentary and Scientific Committee, acted as host for SET for BRITAIN, the annual poster competition and exhibition for early-career researchers. The competition had attracted just under 300 entries in three separate sections, and the top sixty entrants in each section brought their posters to Westminster for display and judging in the House of Commons Terrace Marquee.

Overall Winner
Mrs Sue Wharton; Professor Brian Cox; Andrew Miller MP; Andrew Treharne, winner of the Westminster Medal; Dr Stephen Benn, Royal Society of Chemistry; and the Lord Krebs.



The competitors came from all over the United Kingdom and during the course of the day some 86 Parliamentarians from the House of Commons and House of Lords visited the exhibition, meeting the presenters and seeing at first hand the high quality research being undertaken in British institutions.

The posters in each section, which were of a very high standard, were judged by distinguished panels of experts from the Royal Academy of Engineering, the Institute of Physics, the Royal Society of Chemistry and the Society of Biology.

Thanks to generous support Gold, Silver and Bronze Awards of cash prizes were made in each section, and the winner of each Gold Award also received a medal. These awards were made possible by donations from E.ON and the IET (Engineering); Plant Impact plc, International Agri-Technology Centre and Eli Lilly (Biological and Biomedical Sciences): and BP, AgChemAccess and Oxford Instruments (Physical Sciences).

At the end of the final session the winners of the Gold Awards in each section competed for the Westminster Medal, donated by the SCI in memory of Dr Eric Wharton. The posters were judged by Lord Krebs and Andrew Miller MP, Chairmen respectively of the House of Lords and House of Commons Science and Technology Select Committees, assisted by Professor Brian Cox; and the medal was awarded to the poster which they felt best communicated the scientific concept involved.

Biological Sciences Group
Peter Blezard, Plant Impact Plc; Dr Owen Wallace, Eli Lilly; Jay Stone (Silver Award); Dr Stephen Benn, Royal Society of Chemistry; Louisa Jeffery (Joint Bronze Award); Dr Robert Sansom (Joint Bronze Award); Andrew Miller MP; Talia Atkin (Gold Award); Dr Mark Downs, Society of Biology; Paula Twinn, International Agri-Technology Centre Ltd.

Winner of the Cavendish Medal, Dr Ian Chapman, with Professor Ellen Williams, Chief Scientist, BP, and Dame Jocelyn Bell Burnell, Institute of Physics.

Chemistry Silver Award winner Dr Rachael Miles with Gary Phillips, AgChemAccess; and Professor David Philips, Royal Society of Chemistry.

Dr Tony Whitehead, Institution of Engineering and Technology; the Rt Hon Lord Jenkin of Roding; Martin Carter, Head, Engineering Academy, E.ON; Dr Stephen Benn, Royal Society of Chemistry; Dr Tim Stevenson, University of Leeds (Gold Award); Andrew Miller MP; the Lord Browne of Madingley; Manuel Martinello, School of Engineering and Physical Sciences, Heriot-Watt University (Silver Award); James Popper, Honda Engineering Europe, Swindon (Bronze Award).

Winner of the Roscoe Medal, Andrew Treharne, with Professor Ellen Williams, Chief Scientist, BP, and Professor David Phillips, Royal Society of Chemistry.

Physics Bronze Award winner Katerina Falk with Lynn Shepherd, Oxford Instruments; and Dame Jocelyn Bell Burnell, Institute of Physics.

PRIZE-WINNERS

12.30pm - 2.30pm ENGINEERING SESSION

Gold Award: £3,000 and Engineering Medal: Dr Tim Stevenson, University of Leeds
MAGNETOELECTRICS; SPARKING NEW INTEREST INTO A PHENOMENA ONCE THOUGHT TO BE POLES APART

Silver Award: £2,000: Mr Manuel Martinello, School of Engineering and Physical Sciences, Heriot-Watt University
3D INFORMATION FROM ONE SINGLE 2D IMAGE

Bronze Award: £1,000: Mr James Popper, Honda Engineering Europe, Swindon
COOKERSMART: FIRE DETECTION FOR THE KITCHEN

3.30pm - 5.30pm BIOLOGICAL AND BIOMEDICAL SCIENCES

Gold Award: £3,000 and Mendel Medal: Miss Talia Atkin, Neuroscience, Physiology and Pharmacology, University College London
SCHIZOPHRENIA ASSOCIATED PROTEIN, DISC1, REGULATES INTRACELLULAR TRANSPORT OF MITOCHONDRIA IN NEURONS

Silver Award: £2,000: Miss Jay Stone, Institute of Ophthalmology, University College London
IDENTIFYING A NOVEL ROLE OF LBP IN EYE DISEASE

Joint Bronze Awards: £500:
Miss Louisa Jeffery, Immunity and Infection, University of Birmingham
CAN VITAMIN D, THE SUNLIGHT-ACQUIRED VITAMIN, CONTROL INFLAMMATORY DISEASE?
and
Dr Robert Sansom, Department of Geology, University of Leicester
STUDIES OF DECAY REVEAL BIAS IN FOSSIL INTERPRETATION

6.30pm - 8.30pm PHYSICAL SCIENCES (CHEMISTRY AND PHYSICS)

Chemistry

Gold Award: £3,000 and Roscoe Medal: Mr Andrew Treharne, School of Chemistry, University of Southampton
TOWARDS A CURE FOR RETINAL DEGENERATIVE DISEASES: DEVELOPING POLYMERIC SCAFFOLDS FOR IMPROVED CELLULAR ADHESION

Silver Award: £2,000: Dr Rachael Miles, Department of Chemistry, University of Bristol
IMPROVING OUR UNDERSTANDING OF CLOUDS AND CLIMATE: MEASURING THE CONDENSATION RATE OF WATER AT AN AQUEOUS DROPLET SURFACE

Bronze Award: £1,000: Miss Anna Barnard, Department of Chemistry, University of York
AN AMICABLE BREAK-UP: LIAISONS BETWEEN DEGRADABLE DENDRONS AND DNA

Physics

Gold Award: £3,000 and Cavendish Medal: Dr Ian Chapman, Theory and Modelling, Culham Centre for Fusion Energy
STABILITY OF TOKAMAK FUSION PLASMAS

Silver Award: £2,000: Dr Jesse Petersen, Department of Physics, University of Oxford
ULTRAFAST MOVIES OF ELECTRONIC STRUCTURE IN COMPLEX MATERIALS

Bronze Award: £1,000: Mrs Katerina Falk, Department of Physics, University of Oxford
INFERRING THE EQUATION OF STATE OF SHOCKED LIQUID DEUTERIUM

WESTMINSTER MEDAL IN MEMORY OF DR ERIC WHARTON (OVERALL WINNER):
Mr Andrew Treharne, School of Chemistry, University of Southampton
TOWARDS A CURE FOR RETINAL DEGENERATIVE DISEASES: DEVELOPING POLYMERIC SCAFFOLDS FOR IMPROVED CELLULAR ADHESION