



STEM for BRITAIN 2023

On Monday 6th March 2023, 120 early career researchers from universities and research institutions from across the United Kingdom came to Westminster to take part in STEM for BRITAIN.

This annual poster competition and exhibition is organised by the Parliamentary and Scientific Committee and designed to encourage interaction with MPs and Parliament.

During the course of the day these scientists, engineers, technologists and mathematicians had the opportunity to show their posters and explain their research to over 50 Parliamentarians from both Houses.

The competition comprised of five specialist sections: Biological and Biomedical Sciences; Chemistry, Engineering, Mathematics, and Physics,

Gold, Silver and Bronze winners in each category



received certificates and cash prizes, with medals going to the Gold winners.

The Physiological Society Prize was awarded for the fifth year running, and the Nutrition Society Prize for the fourth. The Dyson Sustainability Award consisted of three prizes.

Judging panels for each category were formed of distinguished scientists, engineers and mathematicians from the Royal Academy of Engineering, the Royal Society of Chemistry, the Institute of Physics, the Royal Society of Biology, the Council for the

Mathematical Sciences, The Physiological Society and the Nutrition Society.

The judges' initial task had been to select the 120 posters for the exhibition and final of the competition from nearly 400 high quality entries. We thank the judges for all their hard work in this process.

STEM for BRITAIN is a two-way process designed to strengthen the dialogue between Parliament and the science, technology, engineering and mathematical communities.

The event would not be possible without the help of all the major learned societies involved in organising the event, together the organisations which generously supported and sponsored the event, including: the Clay Mathematics Institute, Dyson, Warwick Manufacturing Group, AWE, BIVDA, UKRI, the Institute of Biomedical Science, the Heilbronn Institute for

Mathematical Research, the Biochemical Society, and the Society of Chemical Industry.

The Westminster Medal, sponsored by the Society of Chemical Industry, in memory of the late Dr Eric Wharton, who did so much to establish the event, will be presented to one of the five Gold winners adjudged to have most effectively communicated her of his work during an online process, at an SCI dinner in May.

The researchers who exhibited and displayed their work are the true 'engine room' of R&D. The success of the UK in the competitive knowledge economy of the 21st Century is going to depend crucially on their expertise.

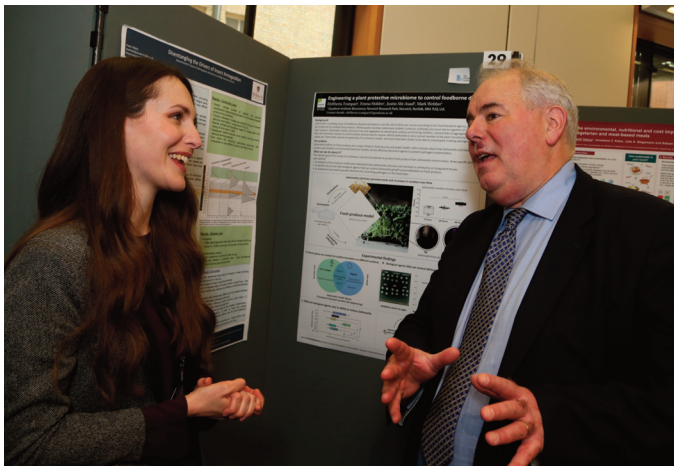
STEM for BRITAIN 2024 will be held on Monday 4th March. Applications open on Monday 11th September and close on Monday 27th November 2023.



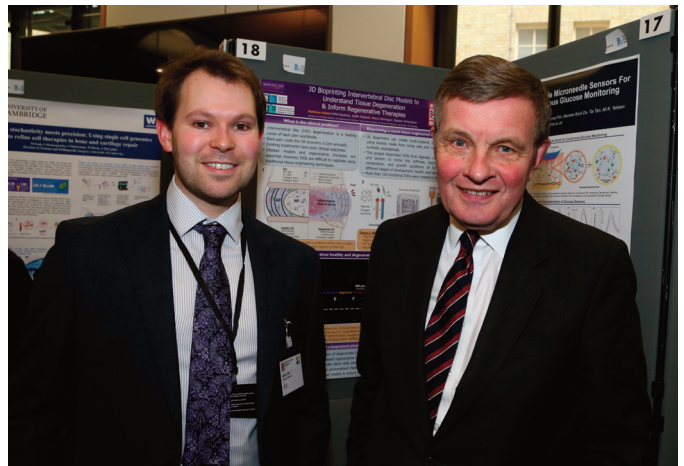
BIOLOGICAL & BIOMEDICAL SCIENCES



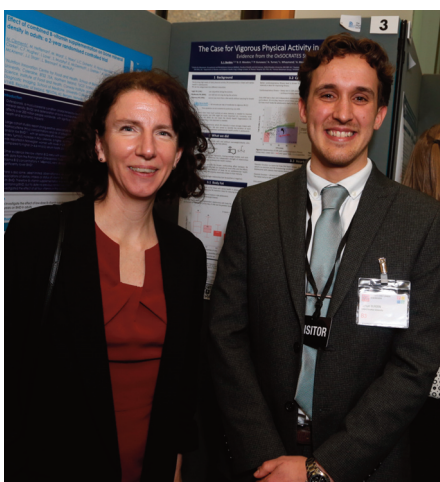
L-R: Sarah Dickson, Newcastle University, BRONZE; Olivia Conway, University of Cambridge, SILVER; Devon Crouch, University of Liverpool, GOLD; Isabel Esain, University of Cambridge, THE PHYSIOLOGICAL SOCIETY PRIZE; and Rebecca Evans, University of Liverpool, NUTRITION SOCIETY PRIZE



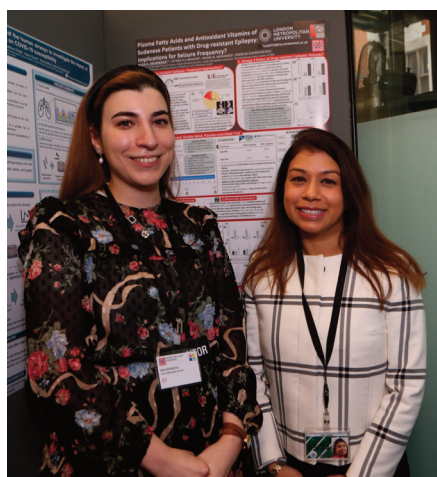
Eleftheria Trampari and Richard Bacon MP



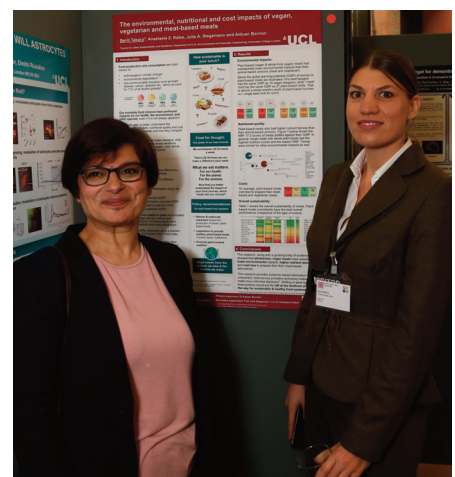
Matthew Kibble and David Jones MP



Anneliese Dodds MP and Samuel Burden



Nada Abuknesa and Tulip Siddiq MP



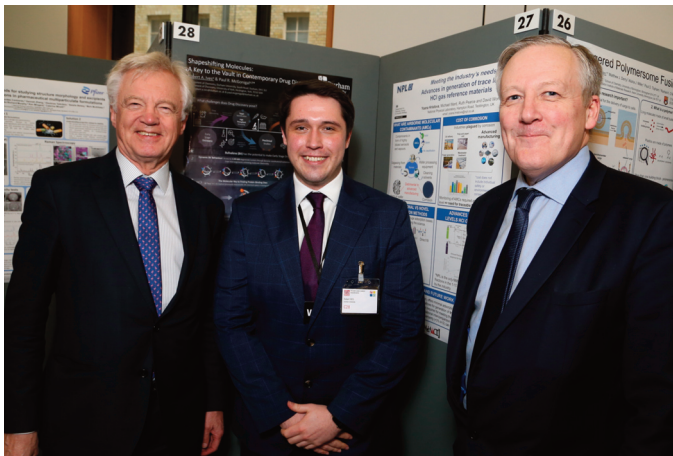
Thangam Debbonaire MP and Beril Takacs

All photographs John Deehan Photography

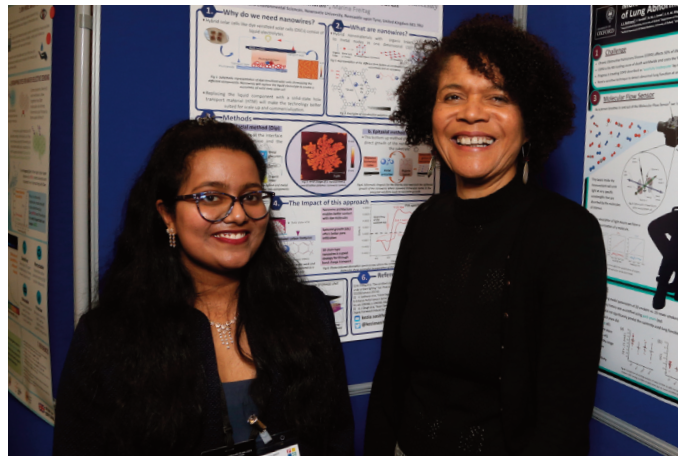
CHEMISTRY



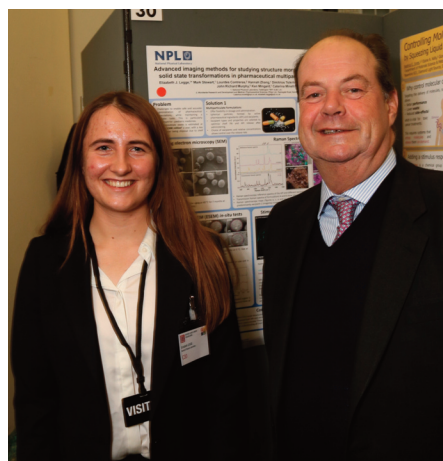
L-R: **Chunchun Ye**, University of Edinburgh, BRONZE; **Beatrice Jones**, University of Cambridge, GOLD; **Dylan Sherman**, University of Oxford, SILVER



David Davis MP, Robert Ives and Kevan Jones MP



Kezia Sathisharan and Chi Onwurah MP



Elizabeth Legge and Stephen Hammond MP



Anneliese Dodds MP and Jennifer Redmond



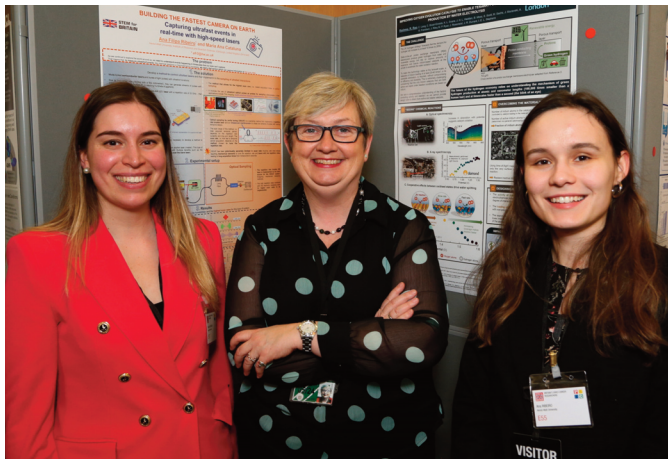
Stephen Metcalfe MP and Sourav Maiti

All photographs John Deehan Photography

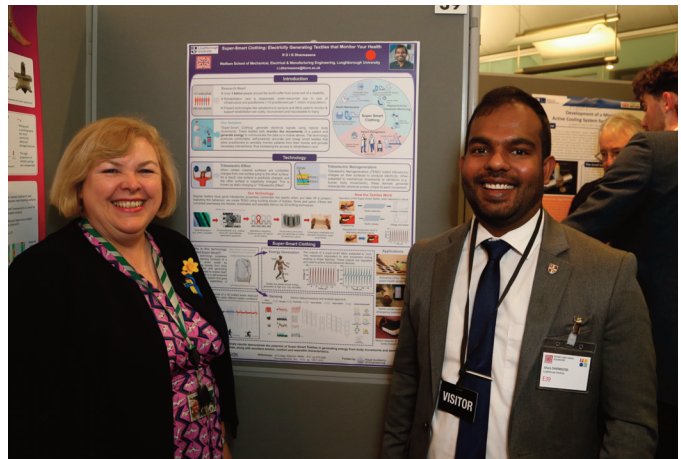
ENGINEERING



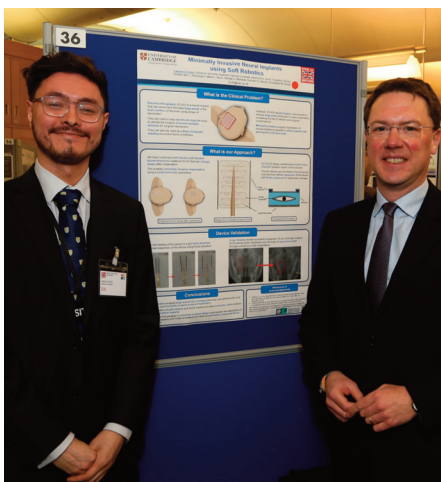
L-R: **Abigail Lister**, University of Oxford, BRONZE; **Francis Dent**, University of Leeds, SILVER; **Shreya Kalyanasundaram**, King's College London, BRONZE; **Yogeshvaran Ramanathapuram Nagarajan**, De Montfort University, GOLD



Carolina Tacchella, Joanna Cherry MP and Ana Ribeiro



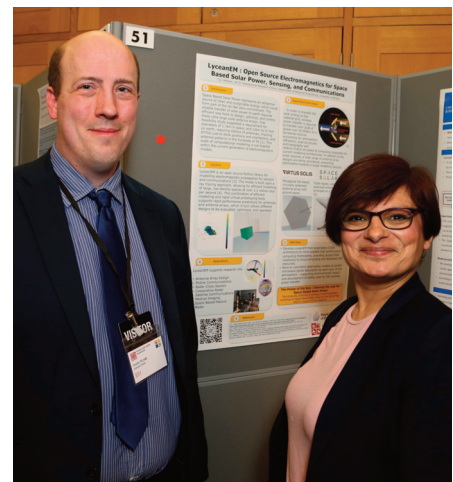
Jane Hunt MP and Ishara Dharmasena



Lawrence Coles and Robert Courts MP



Emma Collett and David Johnston OBE MP



Timothy Pelham and Thangam Debbonaire MP

All photographs John Deehan Photography

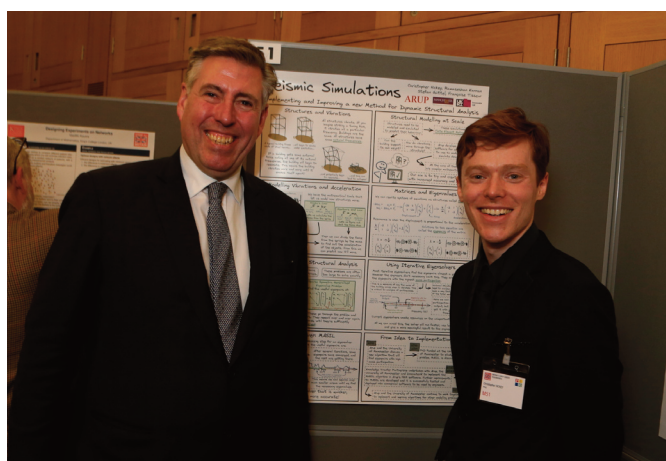
MATHEMATICS



L-R: Christopher Hickey, Arup, BRONZE; Arkady Wey, University of Oxford, GOLD; Jennifer Power, University of Bath, SILVER



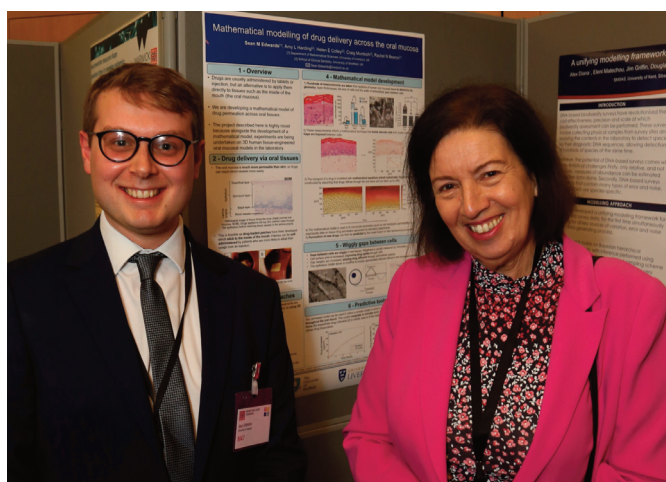
Julia A. Meister and Mims Davies MP



Sir Graham Brady MP and Christopher Hickey



Parna Mandel, Patrick Grady MP and Lanxin Li



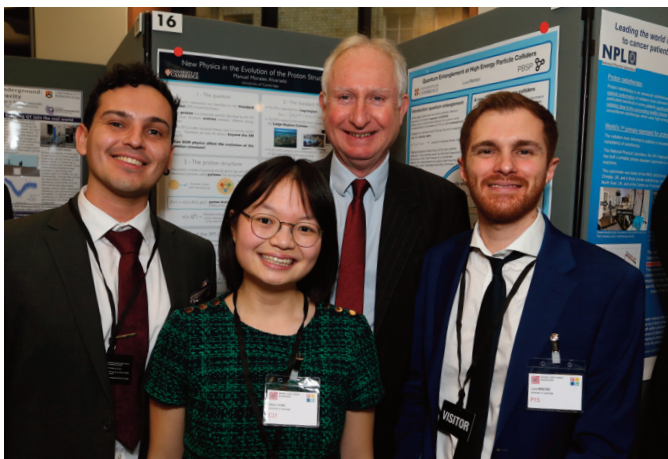
Sean Edwards and Jo Gideon MP

All photographs John Deehan Photography

PHYSICS



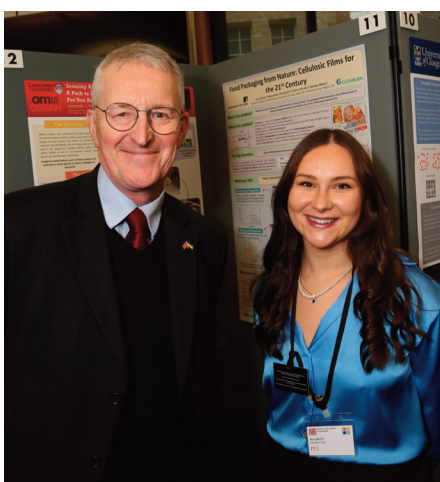
L-R: Ana Lourenco, National Physical Laboratory, BRONZE; Alex Gresty, University of Leeds, GOLD; Laura Hanks, Lancaster University, SILVER



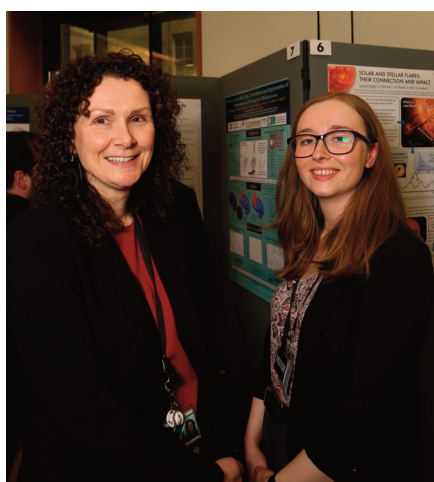
Manuel Morales Alvarado, Helen Leung (*Chemistry*), Daniel Zeichner MP and Luca Mantani



Dr Toni Lilly, Paul Sagoo and Colin Danson, representing AWE, sponsors of the Physics prizes



Hilary Benn MP and Alex Gresty



Wendy Chamberlain MP and Lauren Doyle



Cat Smith MP and Laura Hanks

All photographs John Deehan Photography

THE DYSON AWARD for outstanding research toward a more sustainable future



L-R: Stephen Metcalfe MP; Paul Whittaker, Dyson; Julia A. Meister, University of Brighton, 3rd PRIZE; Luke Woodliffe, University of Nottingham, 1st PRIZE; Alex Gresty, University of Leeds, 2nd PRIZE; Nichola Clifton, Dyson; Viscount Stansgate



Doris-Ann Williams MBE, Chair STEM Organising Committee, and Helen Tucker, Chair, BIVDA, sponsors of the Biosciences GOLD prize



Carol Monaghan MP, Viscount Stansgate, Stephen Metcalfe MP, and Prof Julie Lovegrove, President of the Nutrition Society



Amanda Solloway MP



Sue Wharton and Stephen Metcalfe MP



Greg Clark MP, Chair of the House of Commons Science & Technology Select Committee

All photographs John Deehan Photography