

2014
WISE
AWARDS

in association with

Bloomberg

“*The Oscars of the
Science World*”



Presented by
Her Royal Highness The Princess Royal,
Patron of WISE
Thursday, 13 November 2014



Thank you to the WISE Awards 2014 Judging Panel

Christine Flounders

London R&D Lead,
Bloomberg

Jenny Young

Diversity Manager,
The Royal Academy of Engineering

Andrew Stanley

Head of Education Policy, ICE

Elsbeth Finch

Innovation Director, Atkins

Dr Shewly Choudhury

Deputy Head of Basic Careers,
Wellcome Trust

Dr Sarah Callaghan

Project Manager,
British Atmospheric Data Centre

Paige Bickley Navarro

Senior Director, Commercial Law,
Europe/Africa Halliburton

Helen Smith

Talent Management Specialist,
AWE

Virginia Hodge

Senior Project Safety Manager,
NATS and IET Trustee

Megan Stowe

Global Program Manager,
Intel

Sarah Shaw

Communications Director, WISE

Helen Wollaston

Director, WISE

Foreword

The WISE Awards are about inspiration. Inspiring girls with a passion for science, maths and technology; inspiring women to choose careers in STEM and inspiring people in education, industry and other organisations to take effective action.

We are making a difference. There are twice as many women working as professional engineers in the UK than there were in 2012. More than 40% of professional scientists are now women – a rise of 50% since 2012. There is still much to be done, however, to achieve this level of impact across all STEM occupations. We need more role models to join us in inspiring the next generation with their story; we need further expansion of STEM apprenticeships to offer new opportunities for girls. We were delighted that this year's WISE Apprentice Award attracted more nominations than any other category. Every single one of these young women loves what she does and they are highly valued by their employers; the judges had a very difficult task to pick out the winner.

We hope that the brief accounts in this booklet give you a flavour of the passion, determination and talent women bring to science, technology and engineering. From schoolgirls to professors, apprentices to directors, please share their stories to help change mind sets. Nominations for employers, organisations and individual champions in education, industry, trade unions and charities across the UK show that all of us have a part to play, wherever we work and in whatever sector. Congratulations to those who made it to the shortlist, and thank you to everyone who submitted nominations. We need all of you to get involved in the campaign.

My sincere thanks go to Bloomberg, to all our sponsors and to WISE Members and Partners for your ongoing support. The WISE Awards could not take place without you.

The UK is facing a significant shortfall in STEM skills needed to fuel the country's growth. Women can play a huge part in closing this gap and we aim to attract one million additional women into STEM occupations over the next six years to reach a critical mass of 30% over the overall STEM workforce. There are fantastic opportunities on offer so please work with WISE to get the message out to girls, to their parents and to their future employers.

Trudy Norris-Grey

Chair of WISE

About WISE

WISE: A campaign to promote women in science, technology and engineering

What we do:

We inspire girls and women to study and build careers in science, technology, engineering and manufacturing (STEM) and we help organisations create environments where those women can do their best work and thrive by taking the following action:

- Help girls meet young female role models who are working in the industry, love what they do and are making a difference
- Work with organisations to improve their ability to attract and retain female talent
- Conduct research
- Share best practice
- Provide training and development opportunities
- Offer peer support to students, apprentices, women in the workforce and employers
- Connect employers, schools, colleges and universities
- Inspire others through high profile policy and campaigns



“ *We inspire girls and women to study and build careers in science, technology, engineering and manufacturing* ”

Get involved:

- Become a member of WISE
- If your organisation is already a member, encourage more people to sign up
- Promote free WISE membership to students and apprentices
- Use the Ten Steps to improve retention and progression of women
- Promote the Ten Steps to other STEM employers
- Be a role model and champion
- Raise the profile of your brand by sponsoring a WISE Award in 2015

WISE Campaign

wisecampaign.org.uk

Quest House, 38 Vicar Lane
Bradford, BD1 5LD

01274 724009

info@wisecampaign.org.uk

Twitter:

[@thewisecampaign](https://twitter.com/thewisecampaign)

[#WISEAwards2014](https://twitter.com/WISEAwards2014) / [#WISEpledge](https://twitter.com/WISEpledge)

Facebook:

facebook.com/thewisecampaign

LinkedIn:

[linkedin.com/company/
wise-campaign](https://linkedin.com/company/wise-campaign)

in association with

Bloomberg

Bloomberg is extremely proud to be the headline sponsor of the WISE Awards 2014

About Bloomberg

Bloomberg, the global business and financial information and news leader, gives influential decision makers a critical edge by connecting them to a dynamic network of information, people and ideas. The company's strength – delivering data, news and analytics through innovative technology, quickly and accurately – is at the core of the Bloomberg Professional service, which provides real time financial information to more than 315,000 subscribers globally.

Bloomberg's enterprise solutions build on the company's core strength, leveraging technology to allow customers to access, integrate, distribute and manage data and information across organisations more efficiently and effectively. Through Bloomberg Law, Bloomberg Government, Bloomberg BNA and Bloomberg New Energy Finance, the company provides data, news and analytics to decision makers in industries beyond finance. And Bloomberg News, delivered through the Bloomberg Professional service, television, radio, mobile, the Internet and two magazines, Bloomberg Businessweek and Bloomberg Markets, covers the world with more than 2,400 news and multimedia professionals at 146 bureaus in 72 countries. Headquartered in New York, Bloomberg employs more than 15,000 people in 185 locations around the world.

For more information visit www.bloomberg.com/now

Contents

WISE Girl Award	8–9
Sponsored by Intel	
WISE Apprentice Award	10–11
Sponsored by The Institution of Civil Engineers	
WISE Hero Award	12–13
Sponsored by Babcock	
WISE Research Award	14–15
Sponsored by The Institution of Engineering and Technology and the Wellcome Trust	
WISE Lifetime Achievement Award	16–17
Sponsored by Halliburton	
WISE Advisor Award	18–19
Sponsored by The Royal Academy of Engineering	
WISE Employer Award	20–21
Sponsored by Atkins	
WISE Leadership Award	22–23
Sponsored by AWE	
WISE Champion Award	24–25
Sponsored by Research Councils UK	

WISE Girl Award

Sponsored by Intel

Recognises and celebrates a girl/young woman under the age of 18 with a passion for science, technology, engineering or mathematics, whose outstanding achievements have already inspired other girls.



The WISE Awards offer a fantastic (and much needed!) opportunity to inspire and reward girls and women in their pursuit of careers in STEM. This kind of acknowledgement is exactly what is needed, and we hope that they serve as encouragement for the present and future generations as a great example of what can be achieved.

SHORTLISTED



**Charlotte
Kerr**

Grantown
Grammar School



**Prishita
Maheshwari-
Aplin**

Chetham's School
of Music



**Rebecca
Wang**

Chesham Grammar
School



**Sara
Zaidi**

Kingsbury
High School

“Ask the bolshie question, why not?”

Charlotte Kerr

Grantown Grammar School

At 17 years of age, Charlotte has shown great drive and determination, as a dyslexic from a small rural state school, to become the youngest STEM ambassador in the North of Scotland. She leads on her school's Young Engineers Club and set up a "Positively Pink Engineering" Facebook page to inspire girls. *"I am not a natural academic but have achieved through hard work, determination and re-sits. You don't have to be a rocket scientist to succeed in science – just someone who likes science! I urge female pupils to ask the bolshie question, Why not?"*

Prishita Maheshwari-Aplin

Chetham's School of Music

An elite violinist in a music school, Prishita has developed a keen interest in genetics. She explains scientific research to a young audience through her blog, 'Darwin's Beard', and as editor for the Young Scientist. During her work placement in the local university she came up with a novel evolutionary theory which was submitted as a peer-reviewed journal paper.

Rebecca Wang

Chesham Grammar School

Rebecca founded a physics society at her school. She presented the findings from her project on the London Millennium Footbridge to local audiences and at an Ogden Physics Symposium. She shares her enthusiasm through her blog "Science Fluff", which tackles questions on the science behind everyday objects. *"Rebecca's initiative in promoting science to her peers and her desire to share her knowledge and expertise has impressed me"* says Melanie Windridge, educational consultant for the Ogden Trust.

Sara Zaidi

Kingsbury High School

Having battled with leukaemia, Sara developed a keen interest in science, especially cancer research. At the age of 14 she completed a project to design a novel cancer treatment, for which she won a prize at the National Science and Engineering Competition. She created a STEM-based school magazine and has written a book "Tom goes to the doctor" for children suffering from cancer. *"Accomplishing all this success has made her inspirational and stronger"* says Sarwatara Mahmud, NHS.

WISE Apprentice Award

Sponsored by The Institution of Civil Engineers

This award celebrates the achievements of a female apprentice in science, engineering, technology or manufacturing, to inspire more women to choose an apprenticeship as a route into a career in STEM.

ice

Institution of Civil Engineers

The Institution of Civil Engineers is proud to sponsor the Apprentice Award. Apprentice recruitment is vital in addressing skills needs and these inspirational women will continue to motivate others to follow in their footsteps taking the opportunities STEM careers offer.

SHORTLISTED



Christina Dines

BAE Systems



Samantha McRae

AWE



Anna Shaw

GlaxoSmithKline



“Look, I did it, so can you!”

Christina Dines

Technical Apprentice in Electronic Engineering, BAE Systems

Since becoming a BAE apprentice, Christina has initiated a buddy scheme which offers female apprentices a sympathetic ear to confide any worries or concerns, and now leads the Local Apprentice Council. She recently ran an Engineering Taster Week for forty Year 12 students including group projects, presentations and tours, all with the intention of promoting engineering, BAE, and apprenticeships. *“Real apprentices talking to students about real apprenticeships show that this route is not second best or lacks prospects and I want to be part of this changing landscape”.*

Samantha McRae

Mechanical Maintenance Apprentice, AWE

Samantha chose the apprenticeship route because she prefers hands on work. *“I had never done any machining or electrical work but I gave it a go. I have never looked back since. This apprenticeship has given me the skills I need to be a competent craftsman but also invaluable skills such as communication and confidence. I love coming to work every day and I am not sure if I would have found that without taking the apprenticeship.”* Her manager says she stands head and shoulders above her male peers as she demonstrates the practical application of mechanical engineering.

Anna Shaw

Laboratory Analyst Apprentice, GlaxoSmithKline

As the only female Chemistry Apprentice in her year, Anna's promotional activities have resulted in a 25% increase in applications from women to work at the site in Ulverston, Cumbria. She became a STEM Ambassador, visiting schools to deliver careers talks and representing GSK at numerous careers fairs and school science events. She has been interviewed on radio, spoken at conferences and been recognised for her efforts by being invited to No10 to meet the PM and show the Skills Minister how she promotes STEM careers to children using science experiments. *“I chose the apprenticeship route because I enjoy having a full time job but wanted to really develop myself technically too.”*

WISE Hero Award

Sponsored by Babcock

Recognising a woman's contribution to health, well being and safety or improving people's lives through science, engineering or technology, whose story will inspire others to see the opportunities to make a difference through science.



Babcock is delighted to sponsor the WISE Hero Award. As a leading Engineering Support provider we work with WISE to encourage the recruitment, retention and development of women within our business and the Hero award aligns with our commitment to ensure each employee goes Home Safe Every Day.

SHORTLISTED



Dr Renata Gomes

King's College London



Dr Ceri Lewis

University of Exeter



Professor Tara Moore

Ulster University



“ Full of passion, tenacity
and enthusiasm ”

Dr Renata Gomes

Heart Scientist, King's College London

Renata became a researcher in cardiovascular science against the odds, moving to the UK from a remote village in Portugal and battling cancer on the way. Fascinated by heart disease and novel technologies, she drew on a piece of napkin an idea to use nanotechnology to Mend Broken Hearts. This technology is now a European and World patent and is under examination to be taken into clinical trials by pharmaceutical companies for use in hospitals. For a patient this will mean less treatment, less medication and improved quality of life. *“Women are great leaders and amazing scientists with a different vision and approach that tends to really change paradigms.”*

Dr Ceri Lewis

Lecturer in Marine Biology, University of Exeter

Ceri's research interest is in how marine invertebrates adapt and survive in a changing and increasingly polluted marine environment. Working in temperatures down to -50°C in the Canadian High Arctic, she used her data on the threats to marine species and global marine biodiversity to produce “Frozen Oceans” educational resources used in 22% of UK secondary schools. Her latest research helps children learn about the impact of plastic waste which ends up in the sea. *“Full of passion, tenacity and enthusiasm, Ceri Lewis has opened new vistas for 100,000s of young people”* says Jamie Buchanan-Dunlop, Founder of Digital Explorer.

Professor Tara Moore

Vision Science Research Group Leader, Associate Director of Biomedical Science Research Institute, Ulster University

Tara has made a tremendous impact on people's health, well-being and safety. She uses forensic science to teach professionals across the world to recognise, treat and prevent rape, child abuse and domestic violence. One of a few experts in molecular biology, her research has improved treatment for debilitating eye diseases, passed from parent to child. On a recent charitable trip, she restored vision to hundreds of people in the Amazon suffering from cataracts. *“As a farmer's daughter from a rural village in Ireland there was little thought of me progressing in school beyond 16, never mind doing a degree, a PhD, a fellowship at Harvard University and becoming a Professor before I was 40 years old. Girls often perceive those in science or technology as masculine or nerdy. I hope I can introduce a bit of glamour, fun and a genuine love for life and work”*, says Tara, who has seven children under 10.

WISE Research Award

Sponsored by The Institution of Engineering and Technology and the Wellcome Trust

For groundbreaking scientific research by a female-led team which has advanced knowledge and will make a difference to people's lives.



The Institution of Engineering and Technology is delighted to be sponsoring the WISE Research Award. This new award provides an excellent opportunity to highlight the important role women play in scientific research and the positive impact this research can have on people's lives.



Supporting talented researchers is an integral part of the Wellcome Trust's funding philosophy. We recognise that success in research demands diversity – of people, ideas and approaches. We are therefore delighted to co-sponsor the WISE Research award and warmly congratulate those shortlisted for this award.

SHORTLISTED



**Dr Sarah
Bohndiek**

University of Cambridge



**Professor
Deborah Greaves**

Plymouth University



**Professor
Aline F. Miller**

University of Manchester



“ *A transformative difference*
to people's lives ”

Dr Sarah Bohndiek

Group Leader, Department of Physics and Cancer Research UK
Cambridge Institute, University of Cambridge

When we think about cancer research we tend to think about chemists and biologists, but Sarah is an engineer. She leads an international research team working at the interface of physics, biology and medicine to develop new techniques for imaging oxygen and oxidative stress in cancer. Sarah is developing sensitive and specific imaging tools which could one day be available at GP level, allowing for earlier detection and treatment, which could ultimately save thousands of lives. Whilst trailblazing researchers gain recognition amongst their peers when papers are published, there is very little celebration of their work in the wider community. *“Sarah is a charismatic and highly intelligent physicist and a perfect role model for aspiring researchers and young girls”* says Cary Marsh, CEO of Mydeo.

Professor Deborah Greaves

Professor of Ocean Engineering and Director of COAST Laboratory, Plymouth University

A chartered engineer and member of the Royal Institution of Naval Architects, Deborah is a founding Director of the COAST laboratory which provides a unique capability for research and testing of marine renewable energy devices. Her numerical modelling improves the safety and survivability of offshore floating structures and wind farms – areas with enormous potential to impact on human lives. *“As a leading research engineer, Deborah is an exceptional ambassador and role model for other aspiring female engineers”* says Professor Jingjing Xu, Associate Dean for Research at the University.

Professor Aline F. Miller

Professor of Biomolecular Engineering, University of Manchester

Aline's research is focused on high quality science and its translation for human health. A key aim is to understand the underlying physics of self-assembling systems and apply such knowledge to design innovative materials for use within medical therapy, tissue regeneration and diagnostic fields. One significant achievement of Aline's team is the development of a patented platform technology for the design of biomaterials which is now being commercialised through her spin-out company. Subject to clinical trials, this technology could treat 475,000 patients worldwide and reduce public health costs of £4.7 billion. *“She is firmly on track to translate her research into the clinic where it will make a transformative difference to people's lives”* says Professor Mike Sutcliffe, Head of the Chemical Engineering and Analytical Science School.

WISE Lifetime Achievement Award

Sponsored by Halliburton

This award celebrates the achievements of a woman who has had a truly outstanding career in science, technology, engineering or mathematics and has inspired and supported other women to follow in her footsteps.

HALLIBURTON

Halliburton is proud to sponsor the WISE Lifetime Achievement Award. At Halliburton, we strive to inspire girls and women to enter into the science, technology, and engineering fields by creating awareness of what opportunities exist and what heights can be reached – regardless of gender.

SHORTLISTED



**Professor Dame
Kay Davies CBE**

University of Oxford and
the Wellcome Trust



**Professor Jean
Manson OBE**

The Roslin Institute



**Loraine Martins
MBE**

Network Rail



“ *Science needs diversity of talent to promote diversity of thinking* ”

Professor Dame Kay Davies CBE

Dr Lee's Professor of Anatomy, University of Oxford and Deputy Chair of the Wellcome Trust

Honorary Director of the Medical Research Council Functional Genomics Unit and Fellow of the Royal Society, Kay's research centres around the molecular analysis of neuromuscular and neurological disease, particularly Duchenne muscular dystrophy. She developed a test which is used world-wide to screen women at risk of having a child with the disease. In her own words, *“Science is an exciting and fascinating field to work in. It needs diversity of talent to provide diversity of thinking.”* A junior researcher says, *“She always took a genuine interest in your home and personal life, making sure this was not negatively influenced by the pressures of developing a scientific career.”*

Professor Jean Manson OBE

Head of Neurobiology, The Roslin Institute

Initially working on cystic fibrosis, Jean initiated a programme of research on the so-called prion diseases, which proved to have a major international impact. During the BSE and vCJD crises, she developed and directed a high profile programme of research on these diseases, including the risks of transmission to humans. Her leadership inspires young women coming through: *“Every day I see a strong female scientist, internationally recognised for her expertise. It has never occurred to me that being female will affect my career because I see a woman who is achieving her potential (with more to give) and still enjoying life outside work.”* Dr Abi Diack.

Lorraine Martins MBE

Director of Diversity & Inclusion, Network Rail

Fairness, equality and inclusiveness have been the heart of Lorraine's career, spanning the Audit Commission, the Olympic Delivery Authority, Arup, Network Rail and beyond. Her multi-award winning team brought equality and inclusion to the Olympic Park construction, infrastructure, venues and facilities. She also championed the Olympic Legacy, helping women and minorities gain employment and inspire them to become engineers. Having worked for Arup in South Africa, she is now making a difference in the rail industry. *“Her passion, personal example, humour, professionalism and ability to make diversity accessible to all have transformed our approach”* says Mark Carne, CEO, Network Rail.

WISE Advisor Award

Sponsored by The Royal Academy of Engineering

For a careers advisor, teacher, lecturer or mentor (male or female) who has increased the number of girls and women who pursue further study and/or find work in science, technology, engineering, mathematics or related sectors and supports them to achieve their potential.



The Royal Academy of Engineering is proud to sponsor the Advisor award. Aspiring female engineers and scientists can benefit greatly from support in developing and pursuing their early-career goals. In the face of today's societal and peer pressures, relevant and timely advice or encouragement can change their lives.

SHORTLISTED



Tony Thompson

Incommunities Group Ltd



Dr Ismini Vasileiou

School of Computing
and Mathematics,
Plymouth University



“With Tony’s help I have a home, a career and a family that are proud of me”

Tony Thompson

Construction Skills Training Manager, Incommunities Group Ltd

Tony recruits, develops and supports apprentices through their training programme in the property arm of a social housing organisation. He has played a leading role in developing pathways into construction for women through schools engagement, careers fairs and taster days. He is the person who removes the blockages and breaks down barriers, which has been particularly important for female apprentices. In five years the number of women apprentices in Incommunities has increased by almost 300%, and female apprentices have been recognised for the quality of their work. Tony has made great strides in changing culture, tackling inappropriate behaviour and encouraging everyone to see the benefits of a diverse workforce. Many female apprentices credit Tony with a big part in their success, *“With Tony’s help I became a person again and now have a home, a career and a family that are proud of me.”* Lisa Kaye, Qualified Site Joiner

Dr Ismini Vasileiou

Lecturer in Information Systems, School of Computing and Mathematics, Plymouth University

Influenced by her own experience of being patronised by male students when she did a computer science degree, Ismini joined ‘Women on Top’ to provide online mentoring and guidance to women wishing to enter the field of IT, or women who have been absent for a long time from the workforce. She teaches a module on exploring employability and ethical awareness, with around 100 students coming from different backgrounds, including an assignment on gender issues in IT which successfully promoted mutual understanding and acceptance. *“Ismini was an inspirational project tutor, always encouraging me to aim higher and achieve more”* says Muna Rahman, computing student.

WISE Employer Award

Sponsored by Atkins

Recognising an employer who can demonstrate an increase in the retention and progression of women in scientific, technology, engineering or mathematical roles as a result of actions they have taken to enable women to achieve their potential.

ATKINS

In a male-dominated industry, we need employers like our nominees who will create an organisational culture that fully embraces male and female contributions and provides an environment where women want to stay and develop their careers.

SHORTLISTED



Arup



**The Roslin
Institute**



Shell UK



“ *Having so many successful women means we are better at what we do* ”

Arup

Arup is committed to making diversity integral to all they do, from Board level right through the business. 41% of their recruitment intake is female, 32% of staff and 17.6% of leaders. Programmes designed to support women at Arup on their career paths include mentoring, a well-established and active networking group, leadership training, flexible working policies and a working culture that empowers women to excel. 98% of women return to work at Arup after maternity leave. *“Having so many successful women means we more accurately reflect the communities in which we work, our people benefit from our industry and we are better at what we do”*

The Roslin Institute

The Roslin Institute is the research division of the Royal School of Veterinary Studies at the University of Edinburgh. The Institute's Career Track Fellow scheme and mentoring scheme nurture and support the next generation of principal investigators and have helped ensure a healthy pipeline of women at this level. In partnership with Equate Scotland, the Institute is establishing Scotland's first organisational coaching programme for women in STEM. It also provides funding for additional childcare costs incurred by staff attending scientific conferences, supports compulsory equality and diversity training with an annual workshop, and ensures 50% of seminar speakers are female. The percentage of female professors (26%) has doubled within the past 6 years and is almost twice the national average for biosciences.

Shell UK

Shell has a wide range of measures in place to recruit and retain women, including mandatory reporting on diversity targets in managers' appraisals and a UK Women's Network with over 2000 members. The company measures improvements through reduced female attrition rates, an increase in the proportion of STEM roles and senior executive roles occupied by women (now 18% and 15% respectively) and women's response to staff surveys relating to inclusion in the workplace. 11% of UK employees are home-workers, 6% work part-time and 26% are on flexible working arrangements. As a leader in this field, Shell aspires to be a role model within the oil and gas sector for the inclusion and retention of women.

WISE Leadership Award

Sponsored by AWE

For an organisation which has made a difference to the participation of girls and/or women in STEM to improve diversity and inclusion within their sector.



AWE plays a crucial role in national defence by providing and maintaining warheads for the UK's nuclear deterrent. AWE relies heavily on skills in Science, Technology, Engineering and Mathematics (STEM). We are delighted to support the WISE campaign which is also helping to address the UK's skills shortage and are proud to sponsor the Leadership Award for an organisation which has made a real difference to the participation of women in STEM.

SHORTLISTED



**Daphne Jackson
Trust**



**Girls Engineering
the Future**



Prospect



“A real driver in moving
our thinking forward”

Daphne Jackson Trust

The Daphne Jackson Trust, led by Dr Katie Perry, supports women returning to science and engineering careers following a break to bring up children. Daphne Jackson Fellows return to a wide array of STEM disciplines ranging from astrophysics to software engineering and with them bring a unique combination of experience, knowledge and dedication to the research team and more broadly to the scientific discipline to which they return. Since it was founded in 1992 the Trust has helped over 250 women return to STEM careers, with many going on to permanent academic positions, and four to date reaching professorial level. In the last 12 months, Katie has secured sponsorship from more than 12 organisations who will be sponsoring fellows for the first time.

Girls Engineering the Future

Girls Engineering the Future equips young women with the confidence, skills and awareness to enter the engineering industry. A partnership of a group of large engineering apprentice employers, The Smallpeice Trust and the Outward Bound Trust, the project aims to double the number of female apprentices within the member companies to 14% by training young female role models to work with schools located near the companies involved. *“It has been fantastic as all the girls now say they would look into apprenticeships in engineering when before they wouldn’t even have thought about it”*, Emma Bruce, Heanor Gate School.

Prospect

Prospect are a union representing professionals including engineers, scientists, managers and specialists in a wide variety of sectors. Over the past 18 months, Prospect have had a focus on Women in STEM. Union chair at AWE, Jenny McGrother, has been the driving force behind improving gender equality at work and encouraging women into STEM roles. *“This is especially important for AWE where we have a demanding technical programme and STEM skills are our bread and butter. The action planning workshop hosted by Prospect in conjunction with WISE was a real driver in moving our thinking forward”*, Helen Smith, Talent Management Specialist, AWE.

WISE Champion Award

Sponsored by Research Councils UK

For an individual champion who has used their position to influence others to take positive action to promote female talent in STEM, within their own organisation or beyond.



As a large funder of research, Research Councils UK expect those in receipt of our funds to promote and lead cultural change in relation to equalities and diversity. The Champion Award recognises the efforts of those who make an individual contribution to this aim.

SHORTLISTED



**Professor
Jane Clarke**

University of
Cambridge



Sue Cooper

Skills 4 Ltd



Sue Ferns

Prospect



**Professor
Elena
Rodriguez-
Falcon**

The University
of Sheffield

“Imaginative, creative,
compassionate and cool”

Professor Jane Clarke

Professor of Molecular Biophysics, University of Cambridge

Known internationally for protein structure research, Jane is only the third woman to be appointed Professor of Chemistry in the University of Cambridge. The impact of her tireless support, mentoring and policy changes have had an impact on the careers of female academics, who secured two out of five lecturer positions and three quarters of fellowship applicants supported by the department this year. Jane says: “I am impatient to see change – we have waited too long. There is no longer any justification to sit back and let things happen”.

Sue Cooper

Non-Executive Director, Skills 4 Ltd

Sue recently retired from Atkins where she led a gender diversity plan, focus groups, a Women’s Leadership Council, a Women’s Professional Network, flexible working, a colleague support scheme and a Career Development Programme which has helped over 300 women to date. She introduced unconscious bias training for all managers and changed recruitment practices. Throughout her career, Sue has used her position to influence, support and inspire others to take action to attract, retain and promote female talent.

Sue Ferns

Director of Communications and Research, Prospect

Sue established a working group on Professional Women, reaching out to other unions and building on good relations with many employers to engage them in a pledge that by 2020 there should be 30% women in STEM careers. Having raised awareness through the Cogent Sector Skills Council and the TUC General Council, Sue is exploring promotion procedures in STEM with the IET. Several women have secured new roles, promotions, or qualifications as a result of the mentoring programme which Sue introduced at Prospect.

Professor Elena Rodriguez-Falcon

Professor of Enterprise and Engineering Education, The University of Sheffield

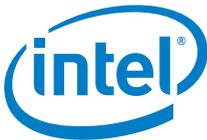
Elena was appointed as Director for Women in Engineering, having studied and worked in Mexico, where more women study engineering. Aware of the critical situation in the UK, she created a Women in Engineering network, championed the UK’s first ever Women in Engineering Student Society and has a large following on Twitter @ElenaRF “She inspires her students to believe that engineering is imaginative, creative, compassionate and cool”, Nadja Swarovski, CEO/Owner, Swarovski and patron of Women in Manufacturing.

Thank you to the WISE Awards 2014 sponsors

Bloomberg



ATKINS

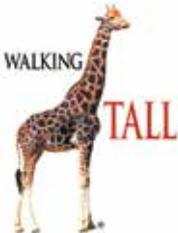


HALLIBURTON

wellcometrust



calendar**grads**



Please contact us to discuss sponsorship opportunities for the WISE Awards 2015.

01274 724009
info@wisecampaign.org.uk
www.wisecampaign.org.uk

