



**HUXLEY
SUMMIT**

The will of the people?
Science and innovation in a post-truth world

29 November 2017

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We encourage attendees to use Twitter during the Summit, and we recommend you use the hashtag **#HuxleySummit** to follow the conversation.

A film crew and photographer will be present at the Huxley Summit. If you do not wish to be filmed or photographed, please speak to a member of the team at the British Science Association.

Agenda

11.00	Registration and networking
12.00	Chapter 1: Learning from the past - what can society learn from GM?
13.20	Roundtable discussions and lunch
14.50	Chapter 2: Current challenges - the data explosion and the commercial imperative
16.10	Coffee and networking
16.50	Chapter 3: Future challenges - preparing for artificial intelligence
18.30	Drinks reception

All content and information correct at the time of going to print.

Chapters

Today, the Huxley Summit will bring together business leaders, scientists, senior policy-makers and opinion-formers to discuss the challenges of creating innovations that are accepted and trusted by the public. We will look at how learnings from the GM crisis should inform companies, institutions, government, and public responses. The Summit will also look at how these learnings can be applied to the current challenge of data ethics and explore the impact of artificial intelligence on society. There will be provocations and debates, plus time for networking and focussed discussions about how we navigate the future.

Chapter 1:

Learning from the past - what can society learn from GM?

Despite a huge amount of scientific research into GM crops and their impact on human health and the environment, the public remain resistant to their widespread introduction to agriculture and industry. What learnings can be gleaned from this story? And what does this mean for the public, business leaders, scientists and policy-makers in relation to new technologies and scientific advances in the future?

Chapter 2:

Current challenges - the data explosion and the commercial imperative

Just over 10 years since the phrase 'data is the new oil' was coined, the new oil rush is gaining momentum. Enabled by the exponential growth of data and AI capabilities we are seeing the creation of markets, business models and data assets as a source of unique commercial value.

However, these opportunities can come with ethical risks, and misjudging the use of data in business or policy could lead to long-term reputational damage and stakeholder mistrust. What opportunities are there for organisations and society to gain extra value from data? What role does compliance play in safeguarding consumer and stakeholder trust? How will decisions organisations make today impact future technologies that utilise data?

Chapter 3:

Future challenges - preparing for artificial intelligence

How does society overcome the challenges of the 'Fourth Industrial Revolution' and a potential breakdown of trust in technology from the public? New technologies – such as AI, driverless cars and gene editing – are challenging the relationship between the public and the physical, digital and biological worlds.

Welcome



Rt Hon. the Lord David Willetts
Chair of the British Science Association

Welcome to the British Science Association's 2017 Huxley Summit. After a successful pilot event last year, we are pleased to once again be bringing together business leaders, policy makers and scientists to discuss and debate some key issues facing science and society.

Today's event will explore the public's relationship with emerging technologies; the role that societal acceptance plays in the success of cutting-edge innovation.

We are delighted to once again have a stellar line up of speakers for today. The Huxley Summit is as much about your contribution as it is about our speakers. The agenda, we hope, allows plenty of time for you to have your say – both via the Q&A sessions that conclude each of our three 'Chapters' and over roundtable discussions at lunch – and network with fellow attendees, during the breaks and at this evening's drinks reception.

The Summit's speakers and attendees deliberately represent a broad range of industries and sectors, but we all have something in common. We are all interested, in some shape or form, in the interface between innovation, regulation, and public opinion.

As the UK prepares to leave the EU, how can we ensure the UK is a leading force in creating innovative solutions to the 21st century challenges the world faces, such as developing ethical A.I, harnessing the power of big data, combatting the spread of microbial diseases and tackling climate change?

The British Science Association's view is that only when we take a step back and look at the bigger picture, and have discussions at a broad, strategic level – involving representatives from within and, crucially, beyond science – will we be able to create a successful future for the UK where research and innovation thrive and where science and its applications are understood and owned by society.

I would like to thank our sponsors and supporters – EY, Diageo, SCI, the London Chamber of Commerce and Industry – and our partner and host, the Royal Institution. I would also like to thank you all for coming. I hope you enjoy this event and together we can come up with some solutions to the challenges of engaging with and responding to attitudes to technological change.



Karen Blackett OBE, Chairwoman of MediaCom UK,
speaking at the Huxley Summit 2016



Ed Williams, CEO of Edelman UK and Ireland, speaking at the Huxley Summit 2016

The will of the people? Science and innovation in a post-truth world



Katherine Mathieson

Chief Executive of the
British Science Association

Last year, on the eve of the US Presidential election, the British Science Association's inaugural Huxley Summit discussed and debated the role of trust in the 21st century. We wanted to know: do we really not trust experts anymore? We delved into topics as diverse as why the public are happy to hand over their credit card details on the internet, but stopped short of feeling comfortable about ID cards; how our memories can trick us and what we can do to tackle our own biases before they affect our work; and how to not only win the trust of your customers, but then to keep it.

This year, with the UK Government in the midst of Brexit negotiations, our theme focuses on how to ensure that the UK can continue to be a leader in science and innovation, while being mindful of the public's concerns about emerging technologies.

Trump and Brexit are frequently explained in political discourse as a result of "the will of the people" despite being hugely divisive - with one not winning the popular vote, and the other just shading it by a few percentage points. Politics is not alone in this regard. In business, customers vote with their feet. And science is not immune to dividing public opinion.

As we approach the end of 2017, looking back on a year that has shone a light on huge divisions in societies all across the globe, I wonder what we can learn to help move us forward? Trust, acceptance and consensus all go hand in hand.

Technology advances. Our lives change. We weave in new ideas and surrender old ones. It's human nature to continue tirelessly with discovery and innovation, but the stakes are high, and many of the consequences are unforeseeable.

The will of the people? Science and innovation in a post-truth world

Consider how vaccinations have stopped diseases in their tracks, and the positive impact this has had on global health, or how computers have connected and educated us beyond imagination, or how air travel has accelerated our efforts to explore and trade. But also consider how, after decades of use, we realised the lethal effects of asbestos, or how diesel engines are polluting our cities and shortening thousands of lives. Take antibiotics, for example: they have saved millions, but the rise of antimicrobial resistance will be, according to Paul Cosford at Public Health England, “one of the most dangerous global crises facing the modern world”.

Technological and scientific innovation impact society in endless ways, both for good and bad. While they offer immeasurable benefits, they also introduce new risk. Outcomes are complex and interconnected, and the effects are too widespread for the decisions to be left to any scientists, governments or businesses alone. Ultimately, the destiny of technology relies on the society in which it's administered.

What are the consequences when technologies are not accepted? What happens when they are protested or outright prohibited? The attempt to introduce GM crops into the food chain was disastrous in terms of commercial success and public acceptance. As a technology, GM crops have the potential to end hunger for millions of people worldwide and would mean the need for fewer pesticides, but what wasn't considered at the time were the fears

of the public, or how small businesses would keep up with the fast pace of the technological advances. Public pressure culminated in the EU issuing a moratorium on the growth and sale of GM foods at the time. Not only did the sudden change halt any potential benefits, it also absorbed a great deal of research, commercial and civic society resource.

Technological and scientific innovation impact society in endless ways, both for good and bad. While they offer immeasurable benefits, they also introduce new risk

So, what can we learn from the past? GM crops provide an ideal case study from which to better our practices. We can study what went wrong, why people rejected them, and how we can gain knowledge, trust and ultimately, acceptance from the public.

That is why we want to explore the topic of public acceptance of science and innovation at this year's Huxley Summit. Without the support of society, we all risk losing the lasting positive effects that innovation has on health, politics, ideas, values, the environment, and so much more.

While the debate over GM crops is no longer top of the agenda, we're now on the cusp of an AI and data revolution. They will be transformational for a wide range of sectors, and we need to tread carefully. These emerging technologies draw many parallels with GM crops. They are largely developed or controlled by small and homogeneous groups of people, often within commercial settings where the regulation framework is still being shaped. For some, these new technologies carry an uneasy sense that the genie has already been released from the bottle, and can't be stuffed back in.

Take Facebook: for many of us, a new way to connect and share our lives, and for businesses and governments, an efficient way to reach customers and citizens. The number of ways this data can be repackaged and used has mushroomed. This has created a dialogue around privacy and data protection that's not just restricted to Facebook, but to anywhere that stores personal information: financial services, health providers, government agencies, retailers, the list goes on. Incidents like unauthorised hacking, data loss and data theft are all occurring with increasing regularity. The credit reporting firm Equifax was a recent target with 143 million people's information being stolen. Such events further erode public trust in business, science and government.

And what about AI? A glance at the films and literature of the past few decades shows us a reflection of our collective expectations and fears, as portrayed in a series of dystopian worlds, from the

terrifying Terminator franchise to the introspective and claustrophobic *Ex Machina*.

Unacceptable and unintended problems are already emerging in real life: Flickr and Google came under criticism after pictures of black people in their photo apps were labelled as “apes” and “gorillas”. Microsoft's AI Twitter chatbot, Tay, which learnt through interaction with users, was shut down after only 24 hours when a user community taught it to be racist. Extrapolate these cases to 50 years in the future, and you can only begin to imagine how new technologies may impact in a negative way, particularly to already marginalised groups, such as ethnic minorities or people from poor backgrounds.

So, how do we address these challenges? Firstly, we need discussions that are widespread and informed, among people representing as much diversity as society has to offer. This is why we're bringing you to the Huxley Summit today: to participate in this dialogue, and use what we've learned from past experience to enhance the world for the better. It's not an impossible task, but it is an important one.

Advisory Board



About The British Science Association

The British Science Association is a charity that wants to see science at the heart of culture and society. Through our work in education, public engagement and collaboration with other sectors, we inspire people to get involved in all areas of science - whether it be natural, social, technological, or otherwise. We have established major campaigns and initiatives across the UK, including British Science Week, the British Science Festival, and the CREST Awards. Our UK-wide network of volunteer-led branches run thousands of events each year and we bring together thought leaders, opinion formers and professionals from across industry and society, including business, politics, sport and the arts. Society's biggest issues cannot be solved by science alone. By unlocking the potential of a more diverse group of people, we increase our ability to tackle some of the world's most intractable challenges and shape our future for the better.

Thanks

The British Science Association would like to thank our sponsors - EY, Diageo, SCI, London Chambers of Commerce and Industry, and the Royal Institution - for all their support.

Advisory board

Lord David Willetts
Chair of the British Science Association

Professor Alice Roberts
Professor of Public Engagement in Science, University of Birmingham

Ed Whiting
Chief of Staff and Director of Policy, Wellcome Trust

Fiona Fox
Chief Executive, Science Media Centre

Professor Jackie Hunter CBE
Chief Executive, BenevolentBio

Jamie Angus
Deputy Director, BBC World Service Group

Baroness Onora O'Neill
Professor of Philosophy, University of Cambridge

Rain Newton-Smith
Chief Economist, CBI

Rowena Ironside
Chair, Women on Boards UK

Professor Uta Frith
President 2017/18, British Science Association

Vinay Gupta
Technologist and Policy Analyst

Building a better world



Ben Taylor
EY UK&I Assurance Chief Innovation Officer
Ben leads a team which develops technologies and solutions to protect our clients' brand, people, and intellectual property.



EY's purpose is to build a better working world. We see that societal trust in business is at an all-time low, with reputations and brands ever harder to protect. Our intent is to protect investors and society from future issues that will damage trust.

We are mindful of the need for standards and ethics that will influence the development and application of emerging technologies in a positive way, ensuring their optimum use and acceptance by all stakeholders. We are proud to be sponsoring this year's Huxley Summit and debate the ethical and practical challenges of creating publically acceptable technical innovations. We will consider how we might introduce greater transparency and auditability into the technologies now becoming an integral part of the way we work and live.

We are delighted to be leading the Chapter 2 debate exploring the challenges of the data explosion and the commercial imperative.

In support of the Summit we have undertaken research which has shown that:

- An overwhelming majority of corporates agree trustworthiness is important, but most are having to work much harder to demonstrate it;
- Corporates say that they are aware of ethical issues, but that short-term decision making will drive the approach to data;
- Regulatory compliance is difficult and unlikely to be sufficient - only a small proportion are on track for GDPR deadline and less than half believe GDPR will be sufficient to keep their data safe and secure;
- There is emerging evidence supporting the commercial imperative around the ethics of data given how markets react.

Speakers



Samira Ahmed

Samira is a broadcaster and writer who presents Front Row on BBC Radio and Newswatch on the BBC News Channel. She also presents The Proms on BBC4. Her documentaries for BBC Radio 3 and 4 include HG Wells and H Bomb and was previously a reporter on Newsnight, The Today Programme and a presenter of the Channel 4 News. She writes regularly for newspapers and magazines including The Guardian, The New Statesman, The Big Issue and The New European.



Evan Davis

Evan is the main presenter of the BBC2 show, Newsnight, the host of Dragons' Den and the Radio 4 business discussion programme Bottom Line. Before Newsnight, Evan was a presenter of the Today programme on BBC Radio 4, in addition to spending seven years as the Economics Editor of the BBC. His latest book is called 'Post Truth: Why we have reached Peak Bullshit and what we can do about it'



Lord Chris Holmes MBE

Chris is a Conservative member of the House of Lords Select Committee on Artificial Intelligence and co-chair of the Parliamentary Groups on Assistive Technology and Fintech. Chris is also a Diversity Adviser to the Civil Service and is non-executive director at Channel 4. Chris was Director of Paralympic Integration at the London 2012 Organising Committee (LOCOG) and is a former Paralympic swimmer who won nine gold, five silver and one bronze medal across four Games, including a record haul of six golds at Barcelona 1992.



Professor Dame Ottoline Leyser

Ottoline is a Professor of Plant Development and Director of the Sainsbury Laboratory at the University of Cambridge. Her research uses control of shoot branching in Arabidopsis as a model system to understand aspects of plant development. She currently serves on the Prime Minister's Committee on Science and Technology, and Chairs the Royal Society's Science Policy Advisory Group. In 2017 she was appointed Dame Commander of the Order of the British Empire for services to plant science, science in society and equality and diversity in science.



Kenneth Cukier

Kenneth is a New York Times bestselling author, the Senior Editor for Digital at The Economist in London and a trustee of Chatham House. He is the co-author of "Big Data: A Revolution That Transforms How We Live, Work and Think," an award-winning book translated in over 20 languages. His TED Talk on AI, data and society has over 1 million views. Previously, Kenn was a foreign correspondent for two decades in Europe, America and Asia.



Sarah Drinkwater

Sarah heads up Campus London, Google's first physical start-up hub, providing founders with work and event space, mentorship and innovative educational programs as well as access to a vibrant start-up community. Her previous role at Google was launching a global Google Maps community team. Before Google, she worked in content and community for startups in the UK and Germany, advised brands such as Nokia on their social strategy and was a journalist for the Guardian.



Justin King CBE

Justin is vice-chair of private equity firm Terra Firma overseeing a portfolio that stretches from cinema chains to garden centres. Previously he served as CEO of J Sainsbury for a decade, at the time one of the youngest CEOs in FTSE 100 history, Justin's time in charge is seen as a success story of modern British business. Justin led Sainsbury's during huge shifts including diversifying into general merchandise, the rise of online shopping and discount retailers, the move into smaller, convenience stores, and a cut-throat price war between rivals.



Dr Pippa Malmgren

Dr Malmgren is the Founder of H Robotics, which makes HiSight - a military grade, aerial robotic platform (drone) with deep data management for commercial enterprises. She is a Presidential advisor who served in the White House for President George W. Bush. She is now a Non-Executive Board Member of the British Department of International Trade, chairs the Lewis Media Advisory Board, and is on Indiana University's School of Public Policy and Environmental Affairs. She is ranked in the top 20 Most Influential Economists in the World, the 10th Most Influential in Geopolitics and in the top Women in Finance Power List in 2017.

Speakers



Chi Onwurah MP

Chi is the MP for Newcastle upon Tyne Central and is also Shadow Minister for Industrial Strategy Science & Innovation for Labour.

Prior to Chi's election to Parliament in May 2010 she worked as Head of Telecom's Technology at the UK regulator Ofcom focussing on the implications for competition and regulation of the services and technologies associated with Next Generation Networks. Chi is a Chartered Engineer with a BEng in Electrical Engineering from Imperial College London and an MBA from Manchester Business School.



Professor Sophie Scott

Sophie is Deputy Director and Head of the Speech Communications Group at UCL's Institute of Cognitive Neuroscience. Sophie's

research investigates the neural basis of vocal communication - how our brains process the information in speech, voices, and laughter. She was elected a Fellow of the Academy of Medical Sciences in 2012 and a Fellow of the British Academy in 2016. Her work was featured in a September 2013 edition of the BBC Radio Four Programme The Life Scientific. In December 2017 Sophie will deliver the Royal Institution's annual CHRISTMAS LECTURES.



Ben Taylor

Ben is the EY UK's Chief Innovation Officer for the Assurance business. Ben runs a team developing technologies and

solutions to help clients protect their strategic assets such as people, brand and intellectual property. As part of this, Ben is researching the risks and ethical and trust issues relating to emerging technologies such as artificial intelligence, robotics and blockchain. Ben has worked with global multi-nationals, including Vodafone, Shell and Centrica, helping them to develop data strategies, technologies and skills.



Jérôme Pesenti

Jérôme is the CEO of BenevolentTech, the technology division of BenevolentAI, a British technology company using

artificial intelligence to accelerate scientific discovery. Jérôme is an expert in the commercialisation of AI. He co-founded Vivisimo, a tech firm specialising in text mining and enterprise search engines, which was acquired by IBM. At IBM he became chief scientist of big data, created and led the development of the Watson Platform - the first comprehensive cloud platform for artificial intelligence.



Dr Tali Sharot

Tali is the author of 'The Influential Mind' and 'The Optimism Bias'. She is a Reader in Cognitive Neuroscientist at University

College London, where she is the director of the Affective Brain Lab. Her research focuses on how emotion, motivation and social factors influence our expectations, decisions and memories. Her papers have been published in top scientific journals including Nature, Science, Nature Neuroscience and Psychological Science. She was a speaker at TED's annual conference 2012 and her essays have been published in Time Magazine, The New York Times, CNN, The Guardian, Observer, BBC and more.



Lord David Willetts

David is Chair of the British Science Association and the Executive Chair of the Resolution Foundation as well as a visiting Professor

at King's College London. He was Minister for Universities and Science and has served previous roles in the Government regarding parliament, policy and finance. He has also written widely on economic and social policy with his most recent book, 'A University Education', published in November 2017.

Sponsors and partners

Headline sponsor



EY is a global leader in assurance, tax, transaction and advisory services. The insights and quality services we deliver help build trust and confidence in the capital markets and in economies the world over. We develop outstanding leaders who team to deliver on our promises to all of our stakeholders. In so doing, we play a critical role in building a better working world for our people, for our clients and for our communities.

For more information about our organisation, please visit ey.com.

Major partner



Diageo is a global leader in beverage alcohol, and our outstanding collection of brands are enjoyed in more than 180 countries around the world. We own 20 of the world's top 100 spirits brands among which Johnnie Walker, Smirnoff, J&B, Buchanan's, Ciroc, Captain Morgan, Tanqueray and Baileys.

We are a business built and sustained through innovation, and developing new ideas is crucial to our growth strategy. We aim to create a positive role for alcohol in society by reducing harmful drinking, building thriving communities and continuously reducing our environmental impact.

Supporters



The Royal Institution is an independent charity dedicated to connecting people with the world of science and encouraging science education, discussion and debate. Its mission is to inspire everyone to think more deeply about the place of science in their lives.

For more information about the Royal Institution, please visit www.rigb.org.uk. The Royal Institution are a supporter and the host of the Huxley Summit 2017.



SCI is an inclusive, multi-disciplinary and multi-science forum connecting scientists and business people. SCI promotes innovation via its international network which advances the commercial application of science into industry for public benefit.

SCI works in crucial sectors as diverse as food and bio-renewables, water, environment, energy, materials and manufacturing, and health and well-being.



London Chamber of Commerce and Industry (LCCI) is the capital's largest independent networking and business support organisation. Representing the interests of London businesses, we create thousands of connections every year and offer our members a wide range of practical and professional services.

Attendees

Leona Shepherd
Tony Bellis

3M UK & Ireland
3M UK & Ireland

Jonathan Milner
Aileen Thompson
Dr Helen Munn
Naureen Khan
Jamie Woodhouse

Abcam
ABPI
Academy of Medical Sciences
Accenture
Accenture

Aseem Malhotra
Roma Agrawal
Mike Walters
Dr Adrian Weller
Sir Alan Wilson
Philip Ashman

Action on Sugar
AECOM
AHR
Alan Turing Institute
Alan Turing Institute
Alimera Sciences

Tim Baxter
Phil Newman
Sarah Wadham
Peter Hogg

Allen & Overy
AngloAmerican
Aphrodite Angels
Arcadis

Giles Baxter
Tim Armitage
James Kenny
Oliver Waghorn
Kegan Lovely
Christopher Fraser OBE
Stavros Apostolou
Geoff Mackey
Joanne Bullen
Jamie Angus
Jessica Cecil
Angus Crawford
Khuram Zubair
Dr Jackie Hunter
James Chandler

Arthur J. Gallagher & Co.
Arup
Arup Group Ltd
BAE Systems Plc
BAML
Bank of New York Mellon
Barclays
BASF
Bayer
BBC
BBC
BBC
BCM
Benevolent Bio
BenevolentAI
Bethnal Green Ventures
BGF Ventures
Big Lottery Fund
Bill and Melinda Gates Foundation
Biodyvide
BBSRC
BMJ
BNP Paribas
Bogle Architects
Boston Consulting Group
BP
Brighton & Hove City Council

Anna Hyde
Rory Stirling
Dawn Austwick
Andrew Mace
Erik Miljan
Professor Melanie Welham
Esther O'Sullivan
Matthew Sandoe
Ian Bogle
Frank Cordes
Dr Robert Sorrell
Mark Prior

Bethnal Green Ventures
BGF Ventures
Big Lottery Fund
Bill and Melinda Gates Foundation
Biodyvide
BBSRC
BMJ
BNP Paribas
Bogle Architects
Boston Consulting Group
BP
Brighton & Hove City Council

Juliette Morgan
Keith Ward
Jonathan Brün
Amy MacLaren

British Land
British Medical Association
British Pharmacological Society
British Science Association

Jon Fitzmaurice

British Science Association

Corporate Marketing Manager
Head of Government Markets & Public Affairs
Deputy Chair
Executive Director of Communications
Executive Director
Government Relations
Managing Director of Finance and Risk Services
Founder
Associate Director
Managing Director - London
Turing Fellow
Chief Executive
Senior Vice President and European Managing Director
Global Head of Communications
Head of Open Forums
Founder
London City Executive and UK Big Urban Clients Director
Chief Information Officer
Project Director, Autodrive
Head of Global Affairs and PR
Director of Government Relations
ESG & Environmental Manager
Strategic Counsel & Managing Director
Vice President, Innovation Propositions
Corporate Affairs & Sustainability Director
Head of Public and Government Affairs
Deputy Director of BBC World Service Group
Controller, BBC Make it digital
Correspondent
London Chief Executive
Chief Executive
Vice President of Corporate Affairs
Partner, Investment Manager
Partner
Chief Executive
Senior UK Government Relations Officer
Chief Executive
Chief Executive
Head of Digital Strategy
Chief of Staff, RISK UK
Managing Director
Partner & Managing Director
Vice President, Public Partnerships
Lead Commissioner, City Regulation & Infrastructure
Head of Campus
Chief Executive
Chief Executive
Director of Development and Communications
Director of the Huxley Summit

Attendees

Gill Riches
Katherine Mathieson
Stephen Nuttall
Matt Locke
Professor Julia Buckingham
Melanie Lee
Sarah Atkinson
Dr Owen Jackson
Dr Tony Raven
Sarah Main
Rain Newton-Smith
Subhash Thakrar
Vicky Pryce
Keith Thompson
Aidan Courtney
Susan Webster

Nick Wells
Dr Debbie Hopkins

Pawel Konzal
Troy Preston
Sarah Laessig
Julie Ashworth
Vasilis Tsolis
Clara Durodié
David Coughtrie
Andy Richards
Sitar Teli
Alan Mak MP
Stephen Metcalfe MP

Tony Smith
Alison Nimmo
Liz Brandt
Adrianna Whish
Lauren Walker
Lord David Prior

Stephen Axford

Joe Butler
Sam Jones
Professor Ian Boyd

Jo Bacon
Professor Phil Blythe
Dr Siobhan Campbell
Jon Elliott
Dan Enachescu
Alan Butler
Aileen Keyes
Laurence Meehan
Jill Ridley Smith
Baroness Martha Lane Fox

British Science Association
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Brunel University
BTG Plc
CA Technologies
Cabinet Office
Cambridge Enterprise
Campaign for Science & Engineering
CBI
CBW Blackstone Franks
CEBR
Cell and Gene Therapy Catapult
Censo Biotechnologies
Central Manchester University Hospitals
NHS Foundation Trust
Centre for Ecology & Hydrology
Centre on Innovation and Energy
Demand Departmental
Chevron
Civil Aviation Authority
Civil Service Commission
Clear Returns
Cognitiv+ LTD
Cognitive Finance Group
Commercial Education Trust
Congenica, Ixico, Abcodia
Connect Ventures
Conservative Party
Conservative Party

Consumer Council for Water
Crown Estate
Ctrl-Shift
David and Claudia Harding Family Office
Dentsu Aegis Network
Department for Business, Energy
& Industrial Strategy
Department for Business, Energy
& Industrial Strategy

Department for Culture, Media & Sport
Department for Culture, Media & Sport
Department for Environment,
Food & Rural Affairs
Department for Transport
Department for Transport
Department for Transport
Department of Health
Diageo
Diageo
Diageo
Diageo
Digital Catapult
Doteveryone

Director of Strategy and Operations
Chief Executive
Trustee
Deputy Chair
Vice Chancellor
Chief Scientific Officer
Vice President, Communications, EMEA
Head of Science and Engineering Profession
Chief Executive
Director
Chief Economist
LCCI Deputy President
Board Member
Chief Executive
Chief Executive

Governor
Director of Impact and Innovation

Research Lecturer
Senior Adviser
Head of Safety and Business Assurance
Commissioner
Chair
Co-Founder & Chief Executive
Founder & Chief Executive
Chairman
Chairman
Managing Partner
MP for Havant
House of Commons Science and
Technology Select Committee
Chief Executive
Chief Executive
Chief Executive
Head of Family Office
Chief Data Officer EMEA

Parliamentary Under-Secretary

Deputy Director, Science, Research
& Innovation Funding
Director
Principal Science Officer

Chief Scientific Adviser
Head of Behavioural Insights
Chief Scientific Adviser
Deputy Chief Scientific Adviser
Senior Strategy Advisor
Head of Public Policy Europe
Global Policy & Public Affairs Director
Head of Alcohol in Society
Head of Public Affairs
Non Executive Director
Founder & Executive Chair

Clancy Childs
Francesca Warner
Justin Westcott
John Hutchins
John Hutchins
Louise Kingham OBE
Mark Titterington
Dr Glenn Watts
Leanne Kemp
Sanjay Bhandari
Jeanne Boillet
Ariane Buescher
Sam Davies
Harry Gaskell
Rahul Gautam

Richard Goold
Rhian Johns
Julia Kriegler
Vanessa Matiussi
Amil Pasic
Kim Paykel
Mike Rudberg
John Simlett
Ben Taylor
Ian Williamson
Tanya Castell MBE
Robert Madelin
Helen Munday
Tim Rycroft
Sam Myers
Ann Tourle
Adam Grodecki
David Rouch
Natasha Good
Julian Pritchard
Almira Cemmell
Helen Lamb

Jarmo Eskelinen
Nicola Yates OBE
Tamar Kasriel
Pauline Egan
Annette Nabavi
Nigel Clarke
Sir John Chisholm
Sarah Matthew
Alissa Davies

Sarah Drinkwater
Mike Warriner
Dr Sarah Gates
Oonagh Harpur
Dr Rupert Lewis
Mary Daunt
Natalie Bennett
David O'Toole

Dow Jones
Downing Ventures
Edelman UK
EDF Energy
Energy Institute
Engineering UK
Environment Agency
Everledger
EY
EY
EY
EY
EY
EY
EY
EY
Faster Payments Scheme Limited
Fipra International
Food and Drink Federation
Food and Drink Federation
Foreign and Commonwealth Office
Foreign and Commonwealth Office
Forward Institute
Freshfields Bruckhaus Deringer
Freshfields Bruckhaus Deringer
Freshfields Bruckhaus Deringer
FTI Consulting
Fujitsu

Future Cities Catapult
Future Cities Catapult
Futureal
Galínago Limited
Gemserv
General Pharmaceutical Council
Genomics England
Global Healthcare Practice
Google

Google
Google
Government Digital Office
Government Legal Department
Government Office for Science
Great Britain Wheelchair Rugby Ltd
Green Party
Harvey Nash

Chief Product & Technology Officer
Principal
Managing Director
Head of Connected Home
Chief Executive
Chief Executive
Deputy Director of Research
Founder & Chief Executive
Partner
Global Assurance Innovation Leader
Blockchain Lead & Innovation Manager
Assistant Director
EMEIA Chief Innovation Officer & FSO Partner
TMT Sector Leader & Head of TMT Advisory
Services, UK&I
Head of Tech Law, Partner
Marketing Lead - Assurance
Marketing Manager
Business Modelling & Analytics Manager
Director (Innovation Lead)
EYX Programme Director
Assurance Partner
Partner
Chief Innovation Officer (Assurance)
Director of Tech Law
Independent Non-Executive Director
Chairman
Chief Scientific Officer
Corporate Affairs & Sustainability Director
Head of Global Economic Issues
Head of Personnel
Executive Director
Partner
Corporate TMT Partner
Partner
Managing Director
Vice President, Strategic Pursuits Unit, Global
Delivery Group
Chief Innovation & Technology Officer
Chief Executive
Managing Director
Client Experience Director
Non Executive Director
Chair
Executive Chair
Chair
Public Policy and Government Relations
Manager
Head of Campus
Director of Engineering
Data Policy Advisor
Non Executive Director
Director
Non-Executive Director
Politician
Director

Attendees

Jen Stebbing	Hawthorn Advisors	<i>Associate Director</i>
Mary Trainor	Health and Safety Laboratory	<i>Head of Science Impact & Quality</i>
Imelda Redmond CBE	Healthwatch	<i>National Director</i>
Dame Frances Cairncross	Heriot Watt University	<i>Chair of the University Court</i>
Chris Knight	hevnly	<i>Chief Technology Officer</i>
Vinay Gupta	Hexayurt	<i>Founder</i>
John O'Brien	Hitachi Consulting	<i>Chief Strategy Officer Executive Vice President</i>
Professor Anthony Finkelstein	HM Government	<i>Chief Scientific Adviser for National Security</i>
Dr Gillian Tully	HM Government	<i>Forensic Science Regulator</i>
Joanna Baldwin	HM Revenue & Customs, Aviva France and Starcount Insights	<i>Portfolio Non-Executive Director</i>
John Salmon	Hogan Lovells	<i>Technology Partner</i>
Darrin Disley	Horizon Discovery and BIA Board	<i>Chief Executive</i>
Professor Lord Robert Mair	House of Lords	<i>Science and Technology Select Committee</i>
Baroness Sally Morgan	House of Lords	<i>Science and Technology Select Committee</i>
Baroness Pauline Neville-Jones	House of Lords	<i>Science and Technology Select Committee</i>
Lord Ernest Oxburgh	House of Lords	<i>Science and Technology Select Committee</i>
Lord Colin Renfrew	House of Lords	<i>Science and Technology Select Committee</i>
Baroness Barbara Young	House of Lords	<i>Science and Technology Select Committee</i>
Baroness Julia King DBE FREng	House of Lords	<i>Committee on Climate Change Cross bench Peer VC of CCC</i>
Ruairidh Husband	HSBC	<i>Head of Data Analytics, Global Risk Analytics</i>
Sally Cheshire	Human Fertilisation and Embryology Authority	<i>Chair</i>
Michael Izza	Icaew	<i>Chief Executive</i>
Dr Claire Thorne	Imperial College London	<i>Executive Officer to the Vice-President (Innovation)</i>
Walter Merricks CBE	IMPRESS	<i>Chair</i>
Kate Jack	innogy Consulting GmbH	<i>Head of UK Innovation Hub</i>
Dr Ruth McKernan CBE	Innovate UK	<i>Chief Executive</i>
Phil Smith	Innovate UK	<i>Chair</i>
Dr David Hardman MBE	Innovation Birmingham	<i>Chief Executive</i>
Mike Kennedy	Inogesis	<i>Director</i>
Tim McSweeney	Inogesis	<i>Solutions Director</i>
Dame Uta Frith	Institute of Cognitive Neuroscience	<i>Emeritus Professor of Cognitive Development</i>
Paul Hardaker	Institute of Physics	<i>Chief Executive</i>
Professor William Yule	Institute of Psychiatry, Psychology & Neuroscience	<i>Emeritus Professor of Applied Child Psychology</i>
Andrew Wall	Intellectual Property Office	<i>Head of Industrial Policy</i>
Nigel Inkster	International Institute for Strategic Studies	<i>Senior Adviser</i>
Tom Kibasi	IPPR	<i>Director</i>
Elizabeth Passey	J Stern Co	<i>Senior Adviser</i>
Tim Hanford	J.C. Flowers	<i>Managing Director, Europe</i>
Jane Player	Jane Player Mediation	<i>Mediator and Non-Executive Director</i>

Jan Hall	JCA Group	<i>Headhunter & Founding Partner</i>
Deborah Bull	King's College London	<i>Assistant Principal (London)</i>
Sir David Omand GCB	King's College London	<i>Visiting Professor, Department of War Studies</i>
Professor Karen Yeung	King's College London	<i>Professor of Law</i>
Peter Williamson	Knights Brown	<i>Business Systems Director</i>
James Stewart	KPMG UK	<i>Chairman, Global Infrastructure</i>
Chi Onwurah MP	Labour Party	<i>Shadow Minister for Industrial Strategy, Science and Innovation</i>
Daniel Zeichner MP	Labour Party	<i>MP for Cambridge</i>
Dr Derek Craston	LGC	<i>Chief Scientific Officer</i>
Helen Crooks	Lloyd's of London	<i>Chief Data Officer</i>
Professor Richard Clegg	Lloyd's Register Foundation	<i>Managing Director</i>
Stuart Porter	Lockheed Martin UK	<i>Head of Strategic Engagement</i>
Angela Reed	LCCI	<i>Sponsorship and Promotions Manager</i>
Sean Mckee	LCCI	<i>Director of Policy and Public Affairs</i>
Colin Stanbridge	LCCI	<i>Chief Executive</i>
Professor Simon Tavaré	London Mathematical Society	<i>President</i>
Daniel Wong	Macquarie Capital	<i>Global Co-Head, Infrastructure & Energy Group</i>
Jane Frost CBE	Market Research Society	<i>Chief Executive</i>
Mike Cowen	Mastercard	<i>Senior Vice President, Digital Payments & Labs Partner</i>
Nick Hoffman	McKinsey	<i>Partner</i>
Sir Cyril Chantler GBE	Media Standards Trust	<i>Trustee</i>
Chris Molloy	Medicines Discovery Catapult	<i>Chief Executive</i>
Daniel Batts	Microsoft	<i>Head of Business Development</i>
Daniel Kenyon-Smith	Microsoft	<i>Chief Technology Officer, UK</i>
Steven Trew	Microsoft	<i>Global Accounts Executive, UK</i>
David Kelnar	Microsoft	<i>Global Strategist</i>
Nigel Willson	Mishcon de Reya LLP	<i>Partner, Intellectual Property</i>
Sally Britton	Mitsubishi Electric Europe BV	<i>Head of Sustainability & New Business</i>
Martin Fahey	Mitsui & Co. Europe Plc	<i>Executive Vice President & Executive Coordinator</i>
Noriyuki Sato	MMC Ventures	<i>Investment Director</i>
Jeremy Long	MTR Corporation	<i>Chief Executive - European Business</i>
Professor Gillian Leng CBE	National Institute for Health and Care Excellence	<i>Deputy Chief Executive</i>
Professor David Haslam CBE	National Institute for Health and Care Excellence	<i>Chair</i>
Ed Humperson	National Statistics Authority	<i>Director General of Regulation</i>
Dr Tim Hill	Natural England	<i>Chief Scientist</i>
Geoff Mulgan	Nesta	<i>Chief Executive</i>
Jeremy Vincent	Network Rail	<i>Group Chief Information Officer</i>
Stuart Calvert	Network Rail	<i>Head of Early Contractor Engagement Initiative, Digital Railway</i>
Ali Harrison	NHS	<i>Non Executive Director</i>
John Paul Maytum MBE	NHS England	<i>Special Adviser to the Chief Scientific Officer</i>
Amanda Spielman	Ofsted	<i>Her Majesty's Chief Inspector</i>
Tony Jones	One Nucleus	<i>Chief Executive</i>
Katherine Priestley	Park Vale Capital	<i>Managing Director</i>
John Timothy	Portman Group	<i>Chief Executive</i>
Julia Grant	Pro Bono Economics	<i>Chief Executive</i>
Aimee Goldsmith	Proctor & Gamble	<i>Associate Director Communications Northern</i>
Ted Fjällman	Prokarium	<i>Chief Executive</i>
Jonathan Garrett	Prudential	<i>Head of Environment, Health and Safety</i>
David Watson	Public Health England	<i>Head of Marketing</i>
Dr Gill Samuels CBE	RAND Corporation	<i>Member European Advisory Board</i>
		<i>Europe, France, Belgium & Holland</i>

Attendees

Carolyn Stebbings	RAPP	<i>SVP Data & Technology</i>
David Clevely CBE FREng	Raspberry Pi Foundation	<i>Chair</i>
Linda Zeilina	Re-Define	<i>Special Advisor (Sustainability)</i>
Neil Murray	Redx Pharma and BIA Board	<i>Chief Executive</i>
Olav Hellobo	ReNeuron Group	<i>Chief Executive</i>
Eddy Littler	ReViral Ltd	<i>Chief Executive</i>
Susan Watts	Rothamsted Research	<i>Head of Communications</i>
Professor Angela Karp	Rothamsted Research	<i>Director of Science Innovation, Engagement and Partnerships</i>
Philip Greenish	Royal Academy of Engineering	<i>Chief Executive</i>
Nigel Williams	Royal Commission for the Exhibition of 1851	<i>Secretary & Chief Executive</i>
Professor Gail Cardew	Royal Institution	<i>Director of Science and Education</i>
Professor Alex Halliday	Royal Society	<i>Physical Secretary and Vice-President</i>
Dr Robert Parker	Royal Society of Chemistry	<i>Chief Executive</i>
Christopher Lake	S & P Global	<i>Vice President, International Government Relations</i>
Stuart Dorman	Sabio	<i>Chief Innovation Officer</i>
Ian Mulvany	SAGE	<i>Head of Product Innovation</i>
Mark Howden	Santander	<i>Head of Data Management</i>
Adam Preston	Santander	<i>Chief Data Officer</i>
Christine Ashton	SAP	<i>Global CDO, Digital Office S/4HANA Cloud</i>
Dr Chris Francis	SAP	<i>Director for Government Relations</i>
Stuart Martin	Satellite Applications Catapult	<i>Chief Executive</i>
Richard Goodfellow	Scancell	<i>Chief Executive</i>
Sharon Todd	SCI	<i>Executive Director</i>
Ian Bradshaw	SCI	<i>Marketing Manager</i>
Fiona Fox	Science Media Centre	<i>Chief Executive</i>
Dame Mary Archer	Science Museum	<i>Chair of the Board of Trustees</i>
Roger Highfield	Science Museum	<i>Director of External Affairs</i>
Carol Monaghan MP	SNP	<i>MP for Glasgow North West</i>
Azad Ootam	SDL	<i>Chief Transformation Officer</i>
Tracey Brown	Sense About Science	<i>Director</i>
Nick Ross	Sense About Science	<i>Trustee</i>
Andrew Hartshorn	Shakespeare Martineau LLP	<i>Partner and Head of Technology Sector</i>
Takashi Takenoshita	Shionogi EU	<i>Chief Executive</i>
Professor Paul Beasley	Siemens plc	<i>Head of R&D UK</i>
Angelica Anton	SILK Ventures	<i>Founding Partner</i>
Natasha Sayce-Zelem	Sky	<i>Head of Technology</i>
Zoe Cunningham	Softwire	<i>Managing Director</i>
Tim Edwards	STORM Therapeutics Limited	<i>Executive Chairman</i>
Elizabeth Varley	TechHub	<i>CEO & Co-founder</i>
Anthony Miller	Techmarketview LLP	<i>Managing Partner</i>
Julian David	techUK	<i>Chief Executive</i>
Catherine Brien	The Co-operative Group	<i>Data Science Director</i>
Roberto Hortal	The Co-operative Group	<i>Membership Products and Services Director</i>
Mark Aikman	The North of England P&I Association Limited	<i>Group Chief Information Officer</i>
Jonny Ohlson	Touchlight Genetics	<i>Chief Executive</i>
Crispin Bolt	TRO	<i>Sponsorship Director</i>
Rebecca Endean	UK Research and Innovation	<i>Strategy Director</i>
Graham Turnock	UK Space Agency	<i>Chief Executive</i>
Samantha Tucker-Samaras	Unilever UK and Ireland	<i>Vice President, Strategic Science R&D</i>

Christopher Exeter	United Health	<i>Group Director</i>
Dr Helen Czerski	University College London	<i>Research Fellow, Mechanical Engineering</i>
Professor Lucie Green	University College London	<i>Professor of Physics & University Research Fellow</i>
Catherine Holloway	University College London	<i>Senior Lecturer</i>
Professor Mark Maslin	University College London	<i>Professor of Climatology</i>
Dr Jack Stilgoe	University College London	<i>Senior Lecturer in Science and Technology Studies</i>
Dr Chris Tyler	University College London	<i>Director of Public Policy at Department of Science, Technology, Engineering and Public Policy</i>
Professor Dame Glynis Breakwell	University of Bath	<i>Vice-Chancellor</i>
Sir Tom Blundell	University of Cambridge	<i>Professor of Biochemistry</i>
Dame Athene Donald	University of Cambridge	<i>Professor of Experimental Physics, Robinson College</i>
Baroness Onora O'Neill	University of Cambridge	<i>Emeritus Professor of Philosophy</i>
Lord Martin Rees	University of Cambridge	<i>Emeritus Professor of Cosmology and Astrophysics</i>
Professor Joyce Tait	University of Edinburgh	<i>Director, Innogen Institute</i>
Professor Ian Wilmut	University of Edinburgh	<i>Professor Emeritus, MRC Centre for Regenerative Medicine</i>
Professor Steve Beaumont OBE	University Of Glasgow	<i>Vice-Principal for Research & Enterprise</i>
Dr Dave Richards	University of Hull	<i>Pro-Vice-Chancellor (Research & Enterprise)</i>
Professor Natasha Merat	University of Leeds	<i>Research Group Leader for Human Factors and Safety</i>
Professor Paul Boyle	University of Leicester	<i>President and Vice-Chancellor</i>
Dame Jocelyn Bell Burnell	University of Oxford	<i>Visiting Professor of Astrophysics</i>
David Johnson	University of Oxford	<i>Professor of Gerontology</i>
Professor Ursula Martin	University of Oxford	<i>Professor of Computer Science</i>
Professor Jim Al-Khalili OBE	University of Surrey	<i>Professor of Physics, Professor of Public Engagement in Science</i>
Professor Michael Davies	University of Sussex	<i>Pro Vice Chancellor (Research)</i>
Maziar Nekovee	University of Sussex	<i>Head of the Department of Engineering and Design</i>
Thomas Nowotny	University of Sussex	<i>Professor of Informatics</i>
Laurie Benson	Upnexxt Ltd	<i>Chief Executive</i>
Jane Franses	Visa Europe	<i>Director of Client Communications</i>
Rodolfo Rosini	Weave.ai	<i>CEO & Co-founder</i>
David Johnson	Weightmans	<i>Partner</i>
Kurt Rowe	Weightmans	<i>Associate</i>
Imran Khan	Wellcome Trust	<i>Head of Public Engagement</i>
Ed Whiting	Wellcome Trust	<i>Director of Policy & Chief of Staff</i>
Audrey Mandela	Women in Telecoms & Technology	<i>Chair</i>
Rowena Ironside	Women on Boards	<i>Chair</i>
Michael Maran	XL Catlin	<i>Chief Science Officer</i>
Sally Duckworth	You at Work	<i>Director & Chief Executive</i>
Andy Morris	YouGov	<i>Chief Innovation Officer</i>
Dr Charles Akle, BSc, MS, FRCS		<i>Retired surgeon and biotech/research investor</i>
Tom Chatfield		<i>Author, broadcaster and tech philosopher</i>
Alison Maitland		<i>Author, journalist, conference speaker & moderator</i>



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