

Programme

09:30 – 10:30	REGISTRATION <i>Fish Room, Royal Society of Chemistry, Burlington House</i>		
10:20 – 10:25	WELCOME Dominic Tildesley, President, Royal Society of Chemistry <i>Science Room, Royal Society of Chemistry, Burlington House</i>		
	PITCHING SESSION 1: HEALTHCARE Chaired by: David Fox, Royal Society of Chemistry <i>Lecture Theatre, Geological Society</i>	PITCHING SESSION 2: ENERGY & SUSTAINABILITY Chaired by: Joanne Whittaker, University of Loughborough <i>Council Room, Royal Society of Chemistry, Burlington House</i>	PITCHING SESSION 3: MATERIALS Chaired by: Mike Pitts, InnovateUK <i>Library, Royal Society of Chemistry, Burlington House</i>
10:25 – 10:45	Cancer therapy using CO-linked artificial metalloproteins University of Cambridge, UK	Lignin separation from cellulose Imperial College London, UK	Invisicat: safe and humane mouse repellent Imperial College London, UK
10:45 – 11:05	Universal influenza vaccines King's College London, UK	Advanced biofuel from waste coffee grounds Bio-bean Ltd, UK	MOF manufacturing technology for gas storage University of Cambridge, UK
11:05 – 11:25	Cytokine Pods, a novel therapeutic protein delivery system Cell Guidance Systems Ltd, UK	Electricity generation from wastewater Imperial College London, UK	Conjugated polymer nanoparticle technology Chromition, UK
11:25 – 11:45	Peptide dendrimer for treatment of bleeding during surgery and trauma Haemostatix Ltd, UK	Electricity storage using water and table-salt Imperial College London, UK	GaN templates: Enabling next generation LED Seren Photonics Ltd, UK
11:45 -12:05	Quick and Simple Diagnostic Flu Test using Gold and Sugars University of East Anglia	Chemical pump for recovery of industrial waste heat Ghent University, Netherlands	Wearable energy harvesting fabrics University of Bolton, UK
12:05 – 13:20	LUNCH AND NETWORKING <i>Science & Fish Room, Royal Society of Chemistry, Burlington House</i>		
13:20 – 13:40	DNA-microarray-copying technology enabling high throughput aptamer screening University Freiburg – ZBSA, Germany	Ultra-thin foil-based PV device infinityPV ApS, Denmark	Engineering functional materials for data communications University of Leeds, UK
13:40 – 14:00	Automated algorithmic design of multi-target drugs Ex scientia Ltd, UK	Zirconium-based additive for fracking Catalytic Technologies Ltd, UK	Controlled anatase-to-rutile transformation Universidad Complutense de Madrid, Spain
14:00 – 14:20	Picoliter droplets for detection of circulating tumor cells Cytofind Diagnostics, Netherlands	Waste heat to electricity by osmosis Osmoblue, Switzerland	Arvia Process for treatment of wastewater Arvia Technology Ltd, UK
14:20 – 14:40	Chemoenzymatic synthesis of modified cyclic peptides for drug discovery University of St. Andrews and University of Aberdeen, UK	Novel catalysis for syngas production National Institute of Chemistry, Slovenia	Carbon Nanotube Array Based Sensors University College Dublin, Ireland

14:40 – 15:00	Identification of protein vaccine candidates within 2 days University Freiburg – ZBSA, Germany	On-site hydrogen peroxide synthesis Technical University of Denmark, Denmark	Programmable bacterial membranes with active DNA storage Julius-Maximilians University of Wurzburg, Germany
15:00 – 15:30	COFFEE BREAK <i>Science & Fish Room, Royal Society of Chemistry, Burlington House</i>		
	DESIGN-LED INNOVATION Innovation is driven by insight and opportunities but is full of risks and uncertainties. We will explore how some simple principles, derived from the practice of design that can help us accelerate and de-risk innovation. Chaired by: Roy Sandbach, North East Local Enterprise Partnership <i>Library, Royal Society of Chemistry, Burlington House</i>	FUTURE TECHNOLOGY Many people here today are working on the next big thing. But what's coming after that? Our speakers will take you through the potentially-revolutionary technologies of the future, and how they could affect your own business. Chaired by: Anthony Walker, Alacrita <i>Lecture Theatre, Geological Society</i>	
15:30 – 16:00	TALK: What's the big idea? How design thinking can help us discover and resolve unmet needs. Chris Thompson, Viadynamics Ltd	TALK: Disruptive innovation in healthcare The days of business as usual are over. In every continent, care systems can be found struggling with rising cost and inequality of high quality outcomes. Innovation is catalysing the emergence of novel products, processes and business models. Adam Hill	
16:00 – 16:05	MOVING BREAK	MOVING BREAK	
16:05 – 16:35	TALK: How to accelerate innovation? How to design experiments and prototypes to learn better and faster. Chris Thompson, Viadynamics Ltd	TALK: Frugal innovation How traditional, expensive R&D projects are giving way to 'frugal innovation' techniques already practiced in emerging markets. Jaideep Prabhu, Judge Business School	
16:35 – 16:40	MOVING BREAK	MOVING BREAK	
16:40 – 17:10	TALK: How to maximise the probability of success? How to apply a people-centred approach to innovation. Chris Thompson, Viadynamics Ltd	TALK: The future of materials As our understanding of matter improves, Mark Miodownik will discuss the arrival of a new materials age: where the distinction between living and non-living materials starts to break down. Mark Miodownik, Institute of Making	
17:10 – 17:20	BREAK		
17:20 – 17:40	KEYNOTE: The art and science of scaling up your business and your economy at the same time. Sherry Coutu (Entrepreneur, Angel investor, Director) <i>Lecture Theatre, Geological Society</i>		
17:40 – 17:45	CLOSING REMARKS <i>Lecture Theatre, Geological Society</i>		
17:45 – 18:30	BREAK		
18:30 – 22:30	WINNERS ANNOUNCEMENT AND DINNER BAFTA 195 Piccadilly Hosted by Royal Society of Chemistry and Sherry Coutu		