

DAY
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Harnessing synthetic biology for the future; keeping us healthy, feeding & fuelling our growing population, & helping us lead more sustainable lives.

08:15 – 09:00	Registration and Coffee
09:00 – 09:15	Welcome Professors Richard Kitney and Paul Freemont , Co-directors, SynbiCITE Lord David Willetts , Executive Chair, Resolution Foundation
09:15 – 10:00	Keynote: Designing biology at scale Dr Jason Kelly , CEO, Ginkgo Bioworks
10:00 – 10:45	Panel Discussion: Growing the bioeconomy Multibillion-dollar biology: the explosive expansion of synthetic biology propelling the bioeconomy to multibillion-dollar status Chaired by: Dr Lionel Clarke , Co-chair, UK Synthetic Biology Leadership Council (SBLC) <ul style="list-style-type: none"> • The Rt Hon Lord Henley, Parliamentary Under Secretary of State at the Department for Business, Energy and Industrial Strategy (subject to any urgent Parliamentary business) • Steve Bagshaw, CEO, FUJIFILM Diosynth Biotechnologies • Prof Joyce Tait, Co-Director, Innogen Institute • Dr Sarah Main, Executive Director, Campaign for Science and Engineering • Prof Hamadi Iddi Boga, Principal Secretary, State Department of Agricultural Research, Ministry of Agriculture, Livestock, Fisheries and Irrigation, Kenya
10:45 – 11:15	Coffee Break
11:15 – 12:30	Company Presentations: Accelerating bioscience Tools and applications that are shaping our future now Chaired by: Dr Liz Fletcher , Manager, UK Centre for Mammalian Synthetic Biology Multinational speaker: Dr Andrew Phillips , Head of Biological Computation Group, Microsoft SME / Start-up speakers: <ul style="list-style-type: none"> • Markus Gershater, Co-founder and Chief Scientific Officer, Synthace Ltd • Ryan Cawood, CEO and Founder, Oxford Genetics Ltd • Tim Brears, CEO, Evonetix Ltd • Jiahao Huang, Founder and CCO, Nuclera Nucleics • Davide De Lucrezia, Managing Director, Doulix • Kristin Ellis, Director of Strategic Initiatives, Opentrons Labworks
12:30 – 13:30	Lunch
13:30 – 14:15	Panel Discussion: Technology and innovation Chaired by: Rick Johnson , CEO, Global Helix LLC <ul style="list-style-type: none"> • Chi Onwurah MP, Newcastle upon Tyne Central; Shadow Minister for Industrial Strategy, Science and Innovation (subject to any urgent Parliamentary business) • Dr Tim Fell, CEO, Synthace Ltd • Tim Brears, Chair, Engineering Biology Advisory Committee • Mike Biddle, Interim Deputy Executive Chair and Chief Operating Officer, and Director of Strategy, Innovate UK

14:15 – 14:45	Keynote: Emerging investment trends in the synthetic biology industry <ul style="list-style-type: none"> • Past, present and future of synthetic biology • What's the shape of the industry? • Who is investing and what are they investing in? • What are the emerging trends? John Cumbers , Founder, SynBioBeta
14:45 – 15:30	Panel Discussion: How might we best develop synthetic biology with and for society? Chaired by: Sir Roland Jackson , Research Associate, UCL <ul style="list-style-type: none"> • Hilary Sutcliffe, Director, SocietyInside • Philip Shapira, Professor of Innovation Management, University of Manchester • Nicolas Kral, Co-founder and CTO, Phytoform Labs • Prof Philip Macnaghten, Personal Chair in Technology and International Development, Wageningen University and Research • James Field, Founder and CEO, LabGenius
15:30 – 16:00	Tea Break
16:00 – 16:30	Synbio Unplugged: In conversation with Prof Hagan Bayley Prof Hagan Bayley , Co-founder, Oxford Nanopore Technologies Interviewed by Carly Minsky , Senior Reporter, Sifted (backed by Financial Times)
16:30 – 17:45	Company Presentations: Making a material difference to the planet Sustainable biomanufacturing and the environment Chaired by: Dr Kirk Malone , Director of Commercialisation, Manchester Institute of Biotechnology Multinational speaker: Prof Nigel Scrutton , Director, Manchester Institute of Biotechnology SME / Start-up speakers: <ul style="list-style-type: none"> • Sean Sutcliffe, Chief Executive Officer, Green Biologics Ltd • Grant Aarons, Co-founder and CEO, FabricNano • Elizabeth Nickerson, Director of Business Development - Synthetic Biology, IDT • Dr Clare Trippett, Technology and Innovation Officer, Centre for Process Innovation Ltd
17:45 – 19:30	Sponsored Champagne and Networking

"Synthetic Biology will re-design the healthcare industry as we know it. Those who are not yet involved are missing a huge opportunity to change the way we live and work for the better."

DR JAMES FIELD, FOUNDER AND CEO, LABGENIUS

DAY
2

Science, engineering and technology continue to impact and guide our futures through the rapidly expanding bioeconomy – helping us to stay healthy, feed our growing population, produce enough energy and live sustainably on our fragile planet.

08:00 – 08:30	Arrival and Coffee
08:30 – 09:10	<p>Policy Presentations: Growing the bioeconomy – solving global challenges</p> <ul style="list-style-type: none"> • Prof Melanie Welham, Executive Chair, Biotechnology and Biological Sciences Research Council (BBSRC) • Beate El-Chichakli, Head of the Secretariat of the German Bioeconomy Council • Paul Henderson, Head of Bioeconomy Strategy and Plastics, BEIS • Prof Collette A Suda, Minister and Principal Secretary for University, Education and Research, Kenya
09:10 – 09:30	<p>Plenary: Twist Bioscience</p> <p>Dr Rebecca Nugent, Director, Synthetic Biology Research, Twist Bioscience</p>
09:30 – 10:00	<p>Keynote: How did we get here and where are we going?</p> <p>Examining the ever-evolving state of sustainability and innovation in the fashion industry</p> <p>Claire Bergkamp, Sustainability and Innovation Director, Stella McCartney</p>
10:00 – 10:45	<p>Panel Discussion: How to dress the world better - biodesign and fashion</p> <p>Chaired by: Helene Steiner, Co-founder and Director, Open Cell</p> <ul style="list-style-type: none"> • Claire Bergkamp, Sustainability and Innovation Director, Stella McCartney • Zowie Broach, Head of Programme for Fashion, Royal College of Art • Marie-Sarah Adenis, Co-founder and Creative Director, Pili • Sarah Mower, Chief Critic, Vogue • Dr Orr Yarkoni, CEO, Colorifix Ltd
10:45 – 11:15	Coffee Break
11:15 – 12:30	<p>Company Presentations: The synbio effect on healthcare</p> <p>Chaired by: Professor Paul Freemont, Co-director, SynbiCITE</p> <p>Multinational speaker: Dr David Tew, Technical Project Lead, Biological Technologies, GSK</p> <p>SME / Start-up speakers:</p> <ul style="list-style-type: none"> • Adam Perriman, Academic Founder, CytoSeek • Geoff Baldwin, Founder, Cagen • Matthew Hicks, Director and Founder, Linear Diagnostics Ltd • Edward Green, Founder and Chief Executive, CHAIN Biotechnology Ltd • Michael Linden, Chief Scientific Officer, Touchlight Genetics Ltd • Ted Fjallman, CEO, Prokarium
12:30 – 13:30	Lunch
13:30 – 14:15	<p>Panel Discussion: High impact investment opportunities in synthetic biology</p> <p>Chaired by: Mike Ward, Chief Content Officer, Informa Pharma Intelligence Insights Portfolio</p> <ul style="list-style-type: none"> • Dr Irina Haivas, Principal, Atomico • George Katzaros, Co-founder and Partner, Farm Street Partners • Dr Melya Hughes Cramer, Partner, Ventac Partners • Eleonora Mantovani, Programme Associate, RebelBio • Oliver Sexton, Investment Director, UKI2S

14:15 – 15:45	<p>Company Presentations: Food and new technology for a healthy and sustainable world</p> <p>Chaired by: Dr Dieuwertje van der Does, Programme Manager, OpenPlant Synthetic Biology Research Centre</p> <p>Multinational speaker: Jason Vincent, Head of Synthetic Biology, Syngenta</p> <p>SME / Start-up speakers:</p> <ul style="list-style-type: none"> • Benamina Bollag, Co-founder and CEO, Higher Steaks • Dr Stephanie Wallis, Co-founder and CSO, Higher Steaks • Paul Hudman, Technical Director, 3F BIO Ltd • Julian Melchiorri, Founder and CEO, Arborea • William Pelton, Co-founder and CEO, Phytoform Labs • Simon Cameron, Director, Ambimass Ltd • Oliver Severn, Research Manager, Singer Instruments • Chueh Loo Poh, Director, AdvanceSyn Pte Ltd
15:45 – 16:10	Tea Break
16:10 – 17:00	<p>Company Presentations: Materials, chemicals and therapeutics for a healthy and sustainable world</p> <p>Chaired by: Dr Ros Le Feuvre, Director of Operations, SYNBIOCHEM and FBRH</p> <p>SME / Start-up speakers:</p> <ul style="list-style-type: none"> • Ben Reeve, CTO, CustoMem • Staffan Piledahl, Software Engineer, LabGenius • Albor Dobon-Alonso, Senior Microbiologist, Leaf Expression Systems • Dr Ian Fotheringham, Managing Director, Ingenza Ltd • Charlotte Casebourne, CEO, Theolytics
17:00 – 17:30	<p>Synbio Unplugged: In conversation with Dr Hermann Hauser</p> <p>Dr Hermann Hauser, Co-founder and Venture Partner, Amadeus Capital Partners</p> <p>Interviewed by Mike Ward, Chief Content Officer, Informa Pharma Intelligence Insights Portfolio</p>
17:30 – 18:00	<p>Synbio Unplugged: In conversation with Lord David Willetts</p> <p>Lord David Willetts, Executive Chair, Resolution Foundation</p> <p>Interviewed by Lyndsey Jones, Executive Editor and Section Chief, Day Production, Financial Times</p>
18:00 – 18:30	<p>Panel Discussion: Biodesign - moving beyond discovery</p> <p>Chaired by: Dr Thomas Meany, Co-founder and Director, Open Cell</p> <ul style="list-style-type: none"> • Natsai Audrey Chieza, Founder, Faber Futures • Pierre-Yves Paslier, Co-founder, Skipping Rocks Lab • Dr James Field, Founder and CEO, LabGenius
18:30 – 20:00	Closing reception and networking

“Targeted genome editing is facilitating the start of a new green revolution, securing a robust global food system for now and the future whilst minimising the environmental impact of chemicals and fertilisers.”

WILLIAM PELTON, CO-FOUNDER AND CEO, PHYTOFORM LABS