

# GIANT MAGAZINE

15<sup>TH</sup> - 16<sup>TH</sup> OCTOBER 2019  
CHELSEA FC STADIUM  
LONDON



# Giant

global innovation  
and new technology  
health event







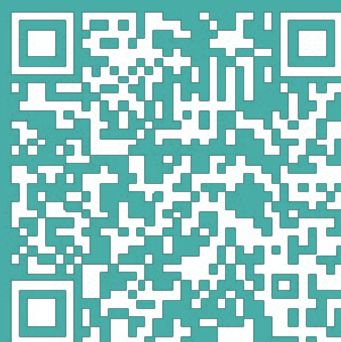
# Giant

global innovation  
and new technology  
health event

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## WELCOME TO THE 4TH ANNUAL GIANT HEALTH EVENT

### We're excited.

It's never been a better time to work in health. The challenges are immense, but the rate of progress in science and technology is breath-taking. For innovators, the world is bursting with unworkable, unavoidable, underserved and urgent needs. For investors, the rate of growth can be staggering, with a reported 30 Healthcare Unicorns.

We're so glad you have joined us for these 2 days, packed with world-class thought-leaders, deep dives in the latest technologies and practical business-building support. We are constantly striving to bring innovators together with corporates and investors to make change happen at scale.

### So why call it a "Festival" ?

GIANT is developed for and by a community of people whose business is health. Each of our tracks is curated by clinicians, entrepreneurs and service providers who are dedicated to delivering better outcomes. Health is serious business, but we believe a vibrant, creative environment can trigger the ideas and relationships that lead to real impact.

We care that you make progress towards your goals to make healthcare better. And we'd like you in our community too.

**Innovate | Collaborate | Accelerate**

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CONTENTS

6

ABOUT GIANT

7

THE RISE OF THE TABOO-BUSTING PIONEERS

8

DAY ONE CONFERENCE TRACKS

16

DAY TWO CONFERENCE TRACKS

26

CONFERENCE TRACK CURATORS

27

BEANSTALKS START UP COMPETITION

30

GIANT PARTNERS

32

ON A MISSION TO INNOVATE

34

THE ENORMOUS POTENTIAL OF AI IN HEALTH & LIFE SCIENCES

36

ACT FOR CANCER: A RIGHT, NOT A PRIVILEGE

38

'WE SHOULD BE THINKING ABOUT BRAIN HEALTH'

41

GROVELANDS

42

EXHIBITORS FRESH HALL

44

EXHIBITORS GIANT HALL

45

MY NOTES

46

EVENT FLOORPLAN

SPECIAL THANKS

GIANT TEAM

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Founder

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Neil Crump

Emma Selby

and Dr Adam Gill

GB HealthTech

Steve Dann

Immersive Technologies

Alma Ramirez Acosta

Molvia Maddox

and Gordon Anderson

Taboo! Tech for Sex, Death and Rock'n'Roll

Simon Hooper

Personalising the Care Journey

Erica Mitchell

The Potential of AI in Health

Annie Tay

Health Insurance Vision 2025

Gabrielle Powell

and Dr Neha Tanna

Accelerate Health, Financing the Future

Pilar Fernandez Hermida

Health Information Systems 4.0

Andrew Liubinas and Angus Wrixon

Beanstalks

Catrin Sohrabi and Naomi Rambarack

Keeping up with Consumer Tech

Dr Jacob Skinner and Teddy Lazarova

Wearables & Beyond

Jason Foster

Cell & Gene Therapies

Anastasiya Giarletta, Siôn Philpott-Morgan and Liz Parrish

Healthspan & Longevity

Dr Stewart Southey

Distributed Ledgers, Building Blocks for Health 3.0

Dr Benjamin Viaris de Lesegno and Eric Bystrom

Technology & Innovation for Medical Cannabis

Naomi Rambarack and Lucy Woods

5G Future of Healthcare

CONFERENCE-MAKER AND AMBASSADORS

Sara Beqiri

Conference Maker Team Leader 2019

Kien Hang

Ambassador

Honey Ajisefini

Ambassador & Conference Maker

Fatima Mahmoud

Conference Maker Leadership Team

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Explosive Group, Events and Conferences Partner

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2-DAY OVERVIEW

		GIANT	EXPO	FRESH	SENSES	LIFE	REVOLUTION	INFLECTION
DAY 1	AM	Welcome, Intro Agents of Change		Great British HealthTech: Nurturing Success	Immersive Technology for Health	Taboo! Tech for Sex, Death & Rock'n'Roll	Health Insurance Vision 2025	Accelerate Health: Financing the Future
		The Augmented Health Practitioner						
	PM	Beyond the Plug		Great British HealthTech: A "How to" Guide	Immersive Technology for Health	Personalising the Care Journey	The Potential of AI in Health	Investor Round Tables
		Health Touchpoints in the 2020s						
DAY 2	AM	The State of HealthCare	Health Information Systems 4.0	Beanstalks Finals	Wearables & Beyond	Cell & Gene Therapies: The Cures You Can't Get?	Distributed Ledgers: Building Blocks for Health 3.0	5G Future of Healthcare
		Who should care? Fab Initiatives						
	PM	FabChange Day! Distributing the Future more Evenly	#FabChange19	Keeping Up with Consumer Tech	Wearables & Beyond	Healthspan & Longevity	Technology & Innovation for Medical Cannabis	Demos & Networking
		Beanstalks Awards, Finale						

@gianthealthevt | #GIANThealth19

5

## ABOUT GIANT

Established as the global gathering for everyone involved in health-tech innovation, GIANT (Global Innovation and New Technology) is a global movement that showcases leading health-tech from around the world. We are centred on the Entrepreneur, often with a clinical, research or technology background. Within our uniquely creative environment, we surround them with expertise and access to markets through investors, business advisors and health system leadership. Our Flagship GIANT Health Event is a curated programme, this year with 6 simultaneous tracks, of general and special interests. Each one has been designed by a Partner working everyday in health and who is part of the ongoing community. We have over 150 expert speakers and a vibrant, expansive international trade show, including some of the exciting entrants in our BEANSTALKS global health start-up competition.

## OUR VISION

To improve the health & well-being of people around the world, by promoting healthcare innovation and supporting health-tech entrepreneurs.

## OUR MISSION

To bring together the whole ecosystem of people whose business is health

- To INSPIRE with impactful case studies and opportunities
- To CREATE an environment to partner and COLLABORATE
- To ACCELERATE the commercial and sustainable success of projects to improve health outcomes

## THE RISE OF THE TABOO-BUSTING PIONEERS

GIAN SEEHRA | OCTOPUS VENTURES

**In the last few years 'Taboo tech' has become one of the industry's talking points. Now that startups are daring to address the health issues ignored for generations, are the rewards proving to be worth the risk?**

### Intimate problems

At Octopus Ventures, our Future of Health pod is oriented to back the pioneers reimagining the healthcare industry. We had the privilege to invest in Alex and Tania at Elvie before they had launched their first product, the kegel exercise trainer. This ingenious device strengthens the muscles around the uterus and bladder to prevent issues such as incontinence, which can be common after childbirth or as a natural part of ageing in women. Elvie's second product, the silent, wearable breast pump, solves a similarly intimate problem. Elvie made the ingenious decision to debut this product on a catwalk at London Fashion Week, speaking to the need to embrace the issue without apology. Following the same stand-out PR strategy, Elvie placed 50ft inflatable breasts on the rooftops of office blocks around central London. Whilst some balked, most people loved it.

### Taboo-busters

We recently hosted an event where Tania shared the Elvie story and her thoughts on taboo. She spoke of how perceptions are shifting; menstruation is slowly moving away from a traditionally shameful, 'unclean', affliction. Tania's main message was this: if you're going to tackle a taboo, you've got to do it head-on. Forcing conversations into the spotlight that historically had negative connotations takes diligence and cast iron self-belief. Bringing an issue from "shame to shareable" is the vital skill of the successful taboo-busting entrepreneur.

So what's next in the formation of the 'taboo tech' industry? Companies such as Clue and Elvie have been able to break-down the barriers within femtech, Manual and Hims in men's health and Calm and Headspace in the area of mental health. Now that these previously taboo subjects are out in the open, they're attracting investment in line with their market potential. Elvie's recent \$42m raise was the largest femtech raise ever and Calm's latest investment round of \$88m values it at over \$1bn.

### What next?

**What hasn't been discussed? Sexual health? Family planning? Death? Fertility? From our perspective in the Future of Health pod at Octopus Ventures, these are some of the areas where the start-ups are just getting going, but they're heading towards some amazing opportunities for explosive growth. Entrepreneurs are doing for society what centuries of social reform has struggled to.**



octopus ventures



# GIANT STAGE

## STAGE: GIANT HALL

CURATED BY MAXINE BIRMINGHAM, GIANT AND THINKINGAROUNDCORNERS

# GREAT BRITISH HEALTHTECH

## STAGE: FRESH

CURATED BY MAXINE BIRMINGHAM, WITH SUPPORT FROM NEIL CRUMP, MARC SOUTHERN, BOB.HEALTH; DR ADAM GILL, WILDING AND EMMA SELBY, DIGITAL MENTALITY

The Main Stage at GIANT is the great showcase of how technology may shape health outcomes. Take a seat and some inspiration from recent breakthrough successes, emerging technologies that make new solutions possible and the great visionaries of the sector. Day 1 celebrates the change makers, embraces the health practitioners and discusses how health touchpoints may evolve over the next decade.

09:30 – 09:45	Welcome and Intro	Prof Shaf Ahmed, Chair Barry Shrier, Founder, GIANT
09:45 – 10:30	Agents of Change Panel: The Entrepreneurs Three HealthTech Founders discuss disruption, risk and reward with a world – leading entrepreneur	Chair: Brent Hoberman, Founders Forum Dr Jack Kreindler, ACT for Cancer; Tania Boler, CEO Elvie; Dan Vahdat, CEO Medopad
10:30 – 11:00	Panel: Corporate Innovators Experienced innovation leaders from Pharma, Health Insurance and Devices share their views	Chair: Jaco Oosthuizen, YuLife; Martha Carruthers, Medopad; Parul Green, Axa Next; Dr ck Andrade, Philips
11:00 – 11:30	break	
11:30 – 11:55	The Augmented Practitioner Hyper-Reality Medicine: Beyond Human Interaction	Prof Shafi Ahmed joined by Dr Terri Porrett
11:55– 12:35	Panel; Innovation & Adoption: How to ensure sustained usage by Healthcare Practitioners from healthcare leadership, founder and communication insights perspectives	Chair: Dr Myles Furnace, Ipsen Michaelene Holder-March, MHM; Dr Lorin Gresser, DemDx; Dr Ankita Batla, WPP Health Practice
12:35 – 13:00	Data-driven XR; a vision for radiomics, precision surgery and personalised telemedicine	Prof Maki Sugimoto, Holoeyes inc.
13:00 – 14:00	lunch	
14:00 – 14:25	Beyond the Plug Connecting bodies to intelligence, not just the grid Future connected consumer, big systems, big data	Neil Mesher, Philips
14:25 – 14:55	The Multisensory Future of Innovation	Ari Peralta, Arigami Research
14:55 – 15:30	Panel: The future of intelligent, holistic care. Deepthi Atrish, Poonya Care leads a panel of med device founders	Dr Leon Eisen, Oxitone; Siva Nadarajah, Jogo Health; Faii Ong, Gyrogear
15:30 – 16:00	break	
16:00 – 16:25	Connecting the Dots: Re-imagining the Future of Healthcare (live by video)	Dr Daniel Kraft, Founder and Chair, Exponential Medicine, Singularity University
16:25 – 17:35	The Digital Health Opportunity is Global	Chair: Steve Gardner, World Healthcare Journal
17:35 – 18:00	Mathew Gould, CEO NHSx 'in conversations' then meet ups	

UK Health systems have invested heavily in innovation programmes and now, with digital health at the forefront of efficiency & outcomes, this will accelerate. We reinforce the digital health imperative and share successful HealthTech innovations in NHS and Primary Care then after lunch provide a “how-to” guide on starting, validating and scaling your HealthTech company.

Session 1	Innovation and UK Health Systems	Chair: Karen Taylor, Deloitte Centre for Health Solutions
10:00 – 10:15	Keynote: The Future of UK HealthCare: Closing the Digital Gap	Karen Taylor, Deloitte Centre for Health Solutions
10:15 - 10:30	Delivering Digital Health The Role of NHSx	Tara Donnelly, Chief Digital Officer, NHSx
10:30 – 10:50	Panel: Clinical Perspectives NAPC, NIHR, NICE and Public Health England	Moderator: Prof Phil Beales, UCL Matthew Walker, Dr Jelena Põlajeva, Kim Carter +TBA
10:50 – 11:10	Panel: Academic & Life Sciences Genomics England, P4 Precision Medicine, Brunel Hub and AHSN	Moderator: Prof Phil Beales, UCL Prof Joanne Hackett, Nathan McNally, Victoria Corbishley + TBA
11:10 – 11:20	Grassroots innovation and engagement including Academy of Fab Stuff	Roy Lilley, Institute of Healthcare Management
11:20 - 11:50	break	
Session 2	Innovation Success in UK Health Systems Organisations who have successfully innovated with key formal innovation programmes and other routes into digital transformation projects. Curated by Dr Adam Gill, Wilding	Dr Asif Qasim, MedShr; Dr Kit Latham, Dr Focused; Dr Katherine Jamieson, Lantum; Rune Bech, Liva Martyn Evans, Unboxed Raphael Moroney, OARS project Liz Ashall-Payne, Orcha
13:00 – 14:00	lunch	
14:00 – 15:15	Navigating your Innovation Pathway Each company has different route through to success by stage, audience and support needs. What's yours?	Chair: Eastern AHSN Nathan McNally, P4 Accelerator Dr Jelena Põlajeva, NIHR Dr Sheryl Warttig, Healthtech Connect
15:15 – 16:00	Funding your Innovation You need cash to test and to scale – where do you get it and when? Public grant, private investment – meet some of the people who can guide you.	Chair: Jon Williams, Granted Richard Hebdon, Innovate UK Dr Terry O'Neill, KTN Health Dr Ruth Nebauer, NIHR i4i John Spindler, Capital Enterprise
16:00 – 16:30	Better Outcomes from Adoption at Scale How to get commissioned and how to export Curated by bob.health	Stephen Docherty, former NHS CIO Steve Gardner, World Healthcare Journal and Policy influencer; Mark Otto Smith, UCL Partners
16:30 – 17:30	Evidence and Validation – an orientation masterclass for apps and channels	Chair: Emma Selby, Digital Mentality Julie Bretland, OurMobileHealth Liz Ashall-Payne, Orcha; Brian Clancy, IQVIA

DAY 1

# IMMERSIVE TECHNOLOGY FOR HEALTH

## VIRTUALLY ALL YOU NEED TO KNOW

### STAGE: SENSES

CURATED BY STEVE DANN, EXECUTIVE CHAIRMAN, MEDICAL REALITIES

Immersive Tech is hot in healthcare. VR together with AR and AI is set to transform healthcare training, education, and patient care globally. We've gathered together some of the leading experts and exponents in these fields to give you a unique insight and understanding into the exciting future of healthcare and medicine.

10:15 – 10:30	Introduction to the day The latest in VR and AR Healthcare Tech	Steve Dann, Medical Realities
10:30 – 11:10	Technologies to End Age-related Diseases	David Wood, London Futurists
11:10 - 11:20	break	
11:20 – 12:00	Adventures in HealthTech comms: Catalytic or cataclysmic	Dr Vernon Bainton, Chief Medical Officer, Havas Lynx Medical
12:00 – 12:40	New Technology in Med Tech	Angelica Bolocan, The Practice
12:40 – 13:10	Making Pain Fun: Exploring The Future Capabilities Of Immersive Health Technologies	Prof Deepa Mann-Kler, Immersive Technology, Ulster University
13:10 – 14:00	lunch	
14:00 - 14:30	The Next Generation of Immersive Technology	Matt Leatherbarrow, CEO Medical Realities
14:30 – 15:10	Interactive Learning with Immersive Tech	Mark Christian, Global Director, Immersive Learning, Pearson
15:10 – 15:50	Immersive Technology Panel Discussion	Session speakers
15:50 – 16:00	break	
16:00 – 16:35	Sensory Economy: Blurring physical and virtual worlds	Ari Peralta, Arigami Research
16:35 – 17:10	Meet Emma Rye	Brian Tanner, Chair, VRAL
17:10 – 17:30	Closing Remarks	Steve Dann, Medical Realities

DAY 1

# TABOO! TECH FOR SEX, DEATH AND ROCK'N'ROLL

## STAGE: LIFE

CURATED BY ALMA RAMIREZ, CEO AND CO-FOUNDER, VIBIO; MOLVIA MADDOX, FOUNDER CEO, MELTING ICE CUBES; GORDON ANDERSON, FOUNDER, MEMORY TRACKS

What makes something taboo! vs mainstream? Business has steered away from controversial and the less savoury side of health. However, many recent successes have proved that there is a powerful market in addressing overlooked and underserved needs. This track is about shedding light on vast opportunities to create value where others dare not tread. We'll be exploring SexTech (including sexual wellbeing, sexual health and the future of FemTech), tech to support life-limiting conditions and death. We also look into some of the interventions, such as music, which are helping people deal with the decline of ageing, neurodiversity and mental health.

10:30 – 10:40	Introduction: The Opportunity that exists in Taboo!	Catherine Davies, Monticle
SEX	SexTech – An Introduction	Alma Ramirez, Vibio
10:40 – 11:20	What is sextech and why is it still a taboo?	Dominnique Varetsos, Healthy Pleasure Collective; Virginia Cerrone, pureeros
	Consequences of the stigma around sex and how to combat them through conversation	Angelica Bolocan, The Practice
	Innovation and investment opportunities Followed by closing remarks	Milena Bacalja Perianes, Menstrual Health Hub Will Gibbs, Octopus
DEATH	Death – An Introduction	Lina Wenner, First Minute Capital
11:25 – 12:05	Can Virtual Reality reduce reliance on opioids in the dying?	Dr Sheila Popert, Immersive Relief
	Death is technology's final frontier. How can it help us plan for and deal with the inevitable?	Sam Grice, Guardian Angel
	Death WILL find each and every one of us - so CAN we please talk about it because I want to be free to live -do you? Can death be good?	Molvia Maddox, Founder CEO, Melting Ice Cubes
ROCK'N'ROLL	Rock'n'Roll – An Introduction to Music in Health Why is music almost absent from Healthcare? Transformational, impactful, simple and universal; it changes lives	Gordon Anderson, Memory Tracks
12:10 – 12:50	The impact of music on brain development in children and adolescents and support those with Autism, Specific Language Impairment, and Downs Syndrome.	Prof Pam Heaton, Goldsmiths, University of London
	How memories of music are central to our sense of self, imagination, emotional state and social functioning.	Prof Catherine Loveday, University of Westminster
	Music is a necessity, not a nicety for people with Dementia - why music should be a part of dementia care	Grace Meadows, Music for Dementia
12:50 – 13:00	Observations and closing remarks	Catherine Davies, Monticle

# PERSONALISING THE CARE JOURNEY

## STAGE: LIFE

CURATED BY SIMON HOOPER, REMELIFE

# HEALTH INSURANCE: VISION 2025

## STAGE: REVOLUTION

CURATED BY ANNIE TAY, CUBIC RISK SOLUTIONS

Technology is playing an increasing role in our care, from diagnosis to end of life. Wearables, IoT, blockchain and AI are already impacting on our healthcare journey. How can we be assured that they do not just collect data to the benefit of the service provider but that they also personalise the care process to enhance community and care circle engagement, improve quality of life and enable better self-managed wellbeing? These are the questions being asked by care professionals as health care costs become an increasing burden on society.

14:00 – 14:05	<b>Introduction: What do we mean by 'Personalising the care journey?'</b>	Simon Hooper, ReMeLife
14:05 - 14:20	<b>Engaging with a Remote Doctor</b> There are times when you need remote, speedy access to experienced UK Doctors. Remote diagnosis, reassurance and prescriptions digitally managed are the new answer	John Wilkes, Dr Mortons
14:20 - 14:35	<b>A Patient -Centric Solution for Elderly Care</b> A single digital health record coupled with algorithms can enhance personalised care through collaborative monitoring, care planning and risk reduction	Deepti Atrish, Poonyah
14:35 - 14:50	<b>The Rise of Intelligent Smart Assistants</b> The implications of today's and tomorrow's emerging technologies for Personalised Healthcare journeys; Heaven or hell? Scenarios for the next 3-5 years	David Wood, Delta Wisdom and London Futurists
14:50 – 15:05	<b>Person-centered care – Really knowing the person</b> Learn about the world's leading Person-centred care, Activities and Companionship software, hardware and systems for the care at home of the elderly, dementia, learning disabilities or cognitive impairment, that are either now available or coming soon	Simon Hooper, ReMeLife
15:05 - 15:20	<b>Panel with preceding speakers</b>	
15:20 - 15:35	<b>break</b>	
15:35 – 15:50	<b>Genie the Robot</b> A new generation of companion robotics powered by hyper-personalisation, reduces loneliness and is the new frontier for independent living solutions	Rob Parkes, Service Robotics,
15:50 - 16:05	<b>Care with confidence – Care Management Software</b> Managing care data, planning care and supporting the needs of the older adults and their care community cutting edge tools such as software, home connected devices and machine learning	Max Parmentier, Birdie
16:05 – 16:15	<b>Closing Remarks</b>	Simon Hooper, ReMeLife

Health costs money: we're all living longer, exposed to greater risk and living in populations that are growing faster than economies. So how will we pay for our healthcare needs? For the first time, we gather together a group of best in class insurance experts to explore the intersection between Healthcare and the evolution of Insurance business models. This track is an opportunity to explore alternative health care assurance solutions in the new digital world. The purpose of the Health Insurance session is to; chart the evolution of European private and public health insurance business models, discuss the recipes and challenges in funding today's and tomorrow's insurance requirements and showcase the partnerships and collaboration involved.

We will discuss how our current technological advances and innovations could be augmented to deliver a long-term care environment that will meet our future needs. What will the long term healthcare experience look like in 2025? Come join us to hear from international experts and share your thoughts! Together we can shape health financial protection for all of us.

Session 1: Conventional Insurers will increasingly connect with third sector companies to provide a more integrated and relevant beneficiary health care proposition.  
Session 2: Start-Ups of today are solutions to Health Insurance frictions and barriers; and to augment health care assurance delivery at large.

10:00 - 10:05	<b>Introduction</b>	Chair: Annie Tay
10:05 - 10:45	<b>Keynote</b>	Dr Ali Hasan, CMO, Vitality
10:45 - 11:40	<b>Panel: The Future Outlook of Health Insurance; Conventional Insurers, Integrated Propositions</b>	Adrian Baskir FIA, IAA Chair, CA Bupa; Kerisha Jairam, FASSA, MBA, Insurtech Gateway VC; Michael Niddam, Kamet Ventures
11:40 - 12:30	<b>Health Insurtech Showcase: Start-ups as solutions to health insurance frictions and barriers</b>	Parul Green, Axa Next, introduces innovators; Caroline Noublanche, Apricity; Max Parmentier, Birdie; Shishir Singhee, Medloop
12:30 - 13:00	<b>Networking</b>	Speakers and Delegates

# THE POTENTIAL OF AI IN HEALTH

## STAGE: REVOLUTION

CURATED BY ERICA MITCHELL, AI AND HEALTHCARE LEAD, TECH DATA

# ACCELERATE HEALTH: FINANCING THE FUTURE

## STAGE: INFLECTION

CURATED BY GABRIELLE POWELL, HEALTHFORCE AFRICA AND DR NEHA TANNA, JOYANCE PARTNERS

AI will transform healthcare. Already Advanced Data Analytics are delivering exponential results in imaging and diagnostics. This track showcases some of the breakthrough health project underway with IBM, Tech Data and its health partners.

14:15	Opening address	Erica Mitchell, Tech Data; Jay Diamond, IBM European AI Technical Leader
14:15 – 14:30	Healthcare Solutions using AI Technology	Tom Farrand, Machine Learning Engineer, IBM
14:30 – 15:00	Developing AI Technologies within the NHS	Dr Phil Webb, Associate Director of Planning, Performance and Innovation, Velindre NHS Trust
15:00 – 15:30	Identification and Classification of Cell Nuclei using Power AI	(Speaker tba), Oxford Cancer Biomarkers
15:30 – 16:00	Digital Healthcare and AI-Powered Diagnostics	Nikhil Sehgal, Founder & CEO, Vastmindz
16:00 – 16:30	The Ethics of AI in Health	Sean Greaves, AI Technical Specialist
16:30 – 17:00	The Technology Behind the Solutions	Tom Farrand, Machine Learning Engineer, IBM
17:00 - close	Networking	

Health tech entrepreneurs need the right investment at the right time to drive growth and scale innovation. We believe that productive partnerships grow from a shared vision of a better world. Our track is dedicated to exploring moonshot business models with investors and entrepreneurs so that we can remove barriers to visionary alignment and grow investment opportunities.

10:30 - 11:00	Finance to accelerate innovation	Fireside chat: Dr Vishal Gulati, Draper Esprit
11:00 - 11:30	break	
11:30 - 12:00	Panel: Evaluating innovation across diverse markets Chair: Dr James Somauroo, HS	Dr Vijay Baranthan, Optum Ventures; Paolo Pio, Joyance Partners; Dr Vasudav Bailey, Artis Ventures; Gian Seehra, Octopus Ventures
12:00 - 12:30	Panel: Finding a route to market in a complex sector Chair: Dr Neha Tanna, Joyance	Dr Elina Naydenova, Feebris; Dr Toby Call, Chronomics; Sana Alajmovic, Sigrid Therapeutics; Renato Circi, Caura
12:30 - 13:00	Finding investors aligned with your vision Chair: Dr Vas Bailey, Artis Ventures	Dr Barney Gilbert, Forward Health; Lina Wüller, Ovy App; Dr Rayna Patel, Vine Health
13:00 - 14:00	lunch	
14:00 - 14:30	Scaling Healthtech business in the UK - what works? Chair: Daisy Stapley-Bunten, Startups Magazine	Joana Neves dos Reis, Angels in MedCity; Eva Tarasova, Wharton Family Office; Charlotte Goggin, Barclays Eagle Labs; David Porter, Apposite Capital;
14:30 - 16:00	Introduction to Round Tables; •14:40 – 15:20 Session 1 ; •15:20 – 16:00 Session 2	Gabrielle Powell, with Optum Ventures, Joyance, Octopus, Ventures, Angels in MedCity, Apposite Capital and HS. Ventures

Collaborators:



DAY 1

DAY 1



The Main Stage at GIANT is the great showcase of how technology may shape health outcomes. Take a seat and some inspiration from recent breakthrough successes, emerging technologies that make new solutions possible and the great visionaries of the sector.

Day 2 discusses the roles and responsibilities for individual and population health as well as the implications for data management. With all our advances, large segments are missing out. How can technology extend healthcare accessibility to achieve better outcomes for all?

09:30 – 09:45	Welcome, Day 2 intro, announcements	Prof Shaf Ahmed, Chair
09:45 – 10:30	The State of Healthcare The need for a national approach to NHS patient data for medical discoveries and patient outcomes Technology for Health in a Disaster Zone	Lord Drayson, CEO, Sensyne Health Dr Zaher Sahloul and Dr Nahreen Ahmed, MedGlobal
10:30 – 11:00	break	
11:00 – 12:15	Who Should Care? The Healthy Customer The Healthy Citizen & Community	Christophe Jauquet, Healthusiasm Alexia Clifford, Public Health England
12:15 – 13:00	It's #FabChange19 Day! Highlighted FabChange Programme initiatives	Roy Lilley chairs and presents the teams from NHS Trusts
13:05 – 13:30	Lunchtime Presentations	
13:30 – 13:55	1. Expecting a Unicorn in the House (TBA) 2. From plant to pharma, the unique situation of medical cannabis; Prof Dedi Meiri	
14:00 – 14:30	It's #FabChange19 Day! Roy Lilley brings some more FAB stuff to the stage	Simon Stevens, CEO, NHS Robbie Ayers, Princess Alexandra Hospital NHS Trust
14:30 – 16:00	Distributing the Future More Evenly How technology can lower the barriers to truly global healthcare delivery for all Keynote: Sumit Jamuar Panel: How technologies narrow the healthcare gaps and what challenges lie ahead	Chair: Dr Saba Alzabin, Nabta Health Sumit Jamuar, Global Gene Corp Dr Masood Ahmed, DigitalHealth.Idn Dr Ankita Batla, WPP Health Practice Maciej Malenda, Infermedica Dr Myles Furnace, Ipsen
16:00 – 16:30	break	
16:30 – 17:15	And the winner is...Beanstalks finalists take to the stage to crown the overall winner	TBA! Andrew Liubinas, Head of Beanstalks
17:15 – 17:30	Closing remarks and Thanks	Prof Shafi Ahmed Barry Shrier, GIANT

Moving into 2020, hospitals and health systems continue to face many challenges implementing effectively their Electronic Health Records. In most cases, health record systems operate in silos, are cumbersome to use and not accessible by patients.

Meanwhile, outside the hospital, the patient is becoming a medical consumer. A tsunami of data from medical Apps and wearables is highlighting the need for integration and interoperability with the health records. Patients want to be more engaged, yet they want their data and privacy rights protected. This fragmented scenario is calling for urgent answers from the market leaders and innovators.

Join the conversation throughout the show at our Health Information Systems Hub and on 16th morning to hear how a diverse range of companies are creating new business models and solutions to promote health record Interoperability and Portability. Our speakers are a mixed group of market leaders and innovative start-ups. Examples will come from different levels of the patient pathways and clinicians' workflow.

CHAired BY EUGENE BORUKHOVICH, GLOBAL HEAD, BAYER G4A DIGITAL HEALTH

10:00 – 10:15	Welcome and Introduction	Pilar Fernandez Hermida, i-Expand. Eugene Borukhovich, G4A Bayer	
10:15 – 10:35	Why Interoperability and AI are vital for integrated health and care. Brief overview of the vital roles that technology must play to transform and sustain an integrated health and care economy	Mike Fuller, Regional Director of Marketing, Intersystems.	
10:35 – 11:10	Interoperability between digital therapeutics and electronic health Exploring the emerging use of digital therapeutics in general practice to empower clinicians and patients, supporting better health outcomes	Sara Harvey, Emis Health Adam Marsh, IQVIA	
11:10 – 11:30	Panel 1: New Business Models	Chair and the session speakers	
11:30 – 11:40	break		
11:40 – 12:00	Connected Care: Bridging the Clinician-Patient Gap. The future of remote medical care is connected, secure, scalable and compliant. How connected care radically improves the lives of both patients and caregivers	Dr Dan Hackmann, Director of Strategic Business Development, Medisanté.	
12:00 – 12:20	Patient Centricity: Empower the patient and everything else follows A patient-centric approach empowers individuals, healthcare services and providers to share more personal data with greater privacy and security	Dan Bayley, VP of Health, Digi.me	
12:20 - 12:30	Innovating within an established organisation - An AWS exemplar	Adrian Hesketh, Practice Lead, Infinity Works	
12:30 – 12:50	PANEL 2: Innovators	Chair and the session speakers	
12:50 – 13:00	Closing Remarks		

Sponsored by: 

# BEANSTALKS FINALS

## STAGE: FRESH

CURATED BY ANDREW LIUBINAS, HEAD OF BEANSTALKS  
CHAIR: DR JACK SEVERS, GJE

# KEEPING UP THE CONSUMER TECH; CLINICIAN TRAINING

## STAGE: FRESH

CURATED BY CATRIN SOHRABI, MEDICAL UNDERGRADUATE, BARTS  
AND NAIOMI RAMBARACK, STUDENT, UNIVERSITY COLLEGE, LONDON

Our finalists for each of the award categories pitch to the judges. Join the audience to cheer them on.

09:30 - 10:00	(Setting up – finalists please gather at the Fresh stage)	
10:00 - 10:15	Intro to the pitching event and the judges	
10:15 - 10:25	Prize sponsor: IP for Early Stage Companies	
10:25 - 11:25	6x pitches of 10 mins inc Q&A	
11:25 – 11:40	Prize sponsor: AWS Activate; How Amazon Web Services (AWS) helps Startups drive innovation in Healthcare and Life Sciences	Joe Welton, Startup Account Manager, Amazon Web Services
11:40 - 12:00	break	
12:00 - 13:05	6x pitches of 10 mins inc Q&A	
13:05 - 13:20	Other supporting companies	Words from our sponsors and Judges
13:20 – 13:50	Final 3 pitches and Q&A	
13:50 – 14:00	Thank you to our entrants, finalists, judges and sponsors	Dr Jack Severs, Andrew Liubinas
	See you after deliberations on the GIANT Stage at 16:30	



Andrew Liubinas, Head of Beanstalks

Andrew runs the GIANT Health Beanstalks competition. Prior to this, he worked in banking for nine years across Australia and the UK. He is CFA qualified and holds a MSc Artificial Intelligence from the University of St Andrews

Teaching medical students and doctors about the health tech that their patients use is crucial in today's healthcare landscape. How can they best harness the power of the data and technology in a patient's hand, on their wrists and in their homes?

Technology is quickly changing many aspects of medicine, giving people more power to take charge of their own health and to improve their quality of life. At present, advances in healthcare technology have already begun to bring forth a range of eye-popping and futuristic digital tools, including wearable technology and healthcare monitoring apps, to cater to the consumer's needs.

With many patients already embracing these changes, however, so too must tomorrow's doctors. To explore this fascinating theme, Keeping up with Consumer Tech aims to deliver an exhilarating and awe-inspiring showcase of technology innovation to connect medical students and doctors with the healthcare technology as used by their patients in today's ever-evolving age of digitisation. This track aims to feature global experts in wearables, ingestibles & implantables, virtual home assistants, consumer healthcare apps, personalised diagnostic home testing kits and beyond.

14:00 – 14:10	Introduction	Catrin Sohrabi
14:10 - 14:30	Bringing Together Clinical and Design Expertise for Mental Health	Emma Selby, Clinical Lead for Digital Innovation, Central North West London NHS Trust
14:30 - 14:50	How and Why Accurate Antenatal Urine Collection Reduces Antibiotic Use	Giovanna Forte. CEO, Forte Medical
14:50 - 15:10	Empowering People to Keep Well	Stephen Critchlow; CEO, Evergreen Life
15:10 - 15:30	Supporting Behaviour Change for the Better	John Grumitt; CEO, Changing Health
15:30 - 15:45	break	
15:45 - 16:05	Nature meets Nurture: Epigenetics and Optimal Health	Emma Beswick; Founder, Lifecode Gx
16:05 - 16:25	The Social Network for Health	Jorge Armanetl; CEO & Founder, HealthUnlocked
16:25 - 16:45	Consumerising the experience of managing long term conditions.	Quintus Liu, Healthera
16:45 - 17:05	Getting to Know Companion Tech	Rob Parkes; CEO, Service Robotics
17:05 - 17:10	Closing Remarks	Naiomi Rambarack



WEARABLES & BEYOND  
STAGE: SENSES

CURATED BY THRIVE WEARABLES

CELL & GENE THERAPIES; THE CURES YOU CAN'T GET  
STAGE: LIFE

CURATED BY JASON FOSTER, HEALTH EQUITY CONSULTING

Thrive Wearables are delighted to be back for a second year at GIANTh to curate a full day of talks and discussions exploring the role wearables and other human-centric connected technologies are playing in a rapidly changing health and wellness landscape. Our track will balance taking a wide view, an examination of applications making a real difference to people and the science underpinning what is a rapidly moving opportunity. We will explore a raft of new innovations and approaches to using the rich array of information emanating from the dynamic human, the transmission and processing of this sensitive and valuable stream of data. Our track will encourage debate and discussion between our stellar line-up and you, the audience.

10:00 –10:15	Introduction: Why the world is waking up to wearable technology	Dr Jacob Skinner, CEO, Thrive Wearables
10:15 - 11:00	Wearables in the Acute Sector – the key to safer, better and lower cost care	Keith Errey, Co-founder and CEO, Isansys Lifecare
11:00 - 11: 15	break	
11:15 - 12:00	EmteqVR- a brain-world interface technology for health and wellbeing monitoring	Dr Charles Nduka, Co-founder and Chief Scientist, Emteq
12:00 - 13:00	Panel - Human sensing innovations. Where are we heading?	Chaired by Matt Eagles; Head of Patient Engagement, Havas Lynx Group; Dr Dominique Richardson; Stefan Chmelik; Dr Jacob Skinner; Dr Leon Eisen
13:00 –14:00	break	
14:00 - 14:40	Closing the loop with wearables, data and insight	Anmol Sood, CEO, Equivital
14:40 - 15:20	Wearable Tech and the Power of Passive - The use of non-invasive near infrasound to increase the relaxation response	Stefan Chmelik, CEO, Bioself Technology
15:20 - 16:00	Application of organic field effect transistor (OTFT) technology in flexible wearable devices. Outlining NeuDrive's patented printable organic semiconducting materials	Dr Dominique Richardson, Senior Scientist, Neudrive Limited
16:00 - 16:15	break	
16:15 - 16:55	Digital Continuous Care: Future of AI-based Healthcare	Dr Leon Eisen, CEO, Oxitone

Advanced therapies refer to new medical products that use gene therapy, cell therapy, and tissue engineering to treat diseases or injuries, such as skin in burns victims, Alzheimer's, cancer or muscular dystrophy, and which will have a huge impact on the future of medicine. During this session, alongside some of the experts in the field, we will delve into the current state of Advanced Therapies as well as the challenges the industry faces in bringing these life-saving treatments to patients.

09:30 – 09:35	Introduction	Jason Foster, Health Equity Consulting
09:35 - 10:35	Panel A - The amazing clinical promise of advanced therapies A discussion about the exciting advances happening in genomics, cell and gene therapies and regenerative medicine to cure cancer and genetic diseases. This panel will discuss the cutting-edge science and the application of it in the clinic and recently in the hospital.	Moderator: Dr. Annalisa Jenkins – Milken Institute. Panellists: Eleni Salamaxani – Genomics England; Dr Ed Samuels - Achilles Therapeutics; Mark Lowdell – UCL/Royal Free; Nihal Sinha - F-Prime;
10:35 - 10:45	break	
10:45 – 11:45	Panel B - The challenges ahead for advanced therapies Advanced therapies, the first wave of truly personalised medicines, present unique challenges for manufacturers, payers, suppliers and providers. This panel will discuss the challenges currently holding back advanced therapies and what can be done to ensure patients can get access to these life-saving medicines	Moderator: Jason C. Foster – Health Equity Consulting. Panellists: Jason Jones – Ori Biotech; Dr Andy Walker - Bio-Techne; Dr Damian Marshall, Cell & Gene Catapult; Dr Matthew Lakelin - TrakCel; Owen Smith - 4BIO
11:45 – 12:00	break	
12:00 – 13:00	Panel C - Where are the opportunities in advanced therapies? There are many new opportunities for innovation in the nascent advanced therapies space and this panel will discuss where innovators and investors see specific opportunities today	Moderator: Jason C. Foster – Health Equity Consulting. Panellists: Jonathan Hay – Delin Ventures; Christoph Ruedig – Albion Ventures; Owen Smith - 4BIO; Mark Lowdell – UCL/Royal Free; Nihal Sinha - F-Prime
12:40 - 13:00	Closing remarks	Jason Foster, Health Equity Consulting

DAY 2

DAY 2

# HEALTHSPAN & LONGEVITY

## STAGE: LIFE

CURATED BY ANASTASIYA GIARLETTA, CO-FOUNDER AND CEO AND SIÔN PHILPOTT MORGAN, CO-FOUNDER AND COO, AIKORA HEALTH AND LIZ PARRISH, CEO, BIOVIVA

# DISTRIBUTED LEDGERS: BUILDING BLOCKS FOR HEALTH 3.0

## STAGE: REVOLUTION

CURATED BY DR STEWART SOUTHEY, CATENA CONSULTING

More people live into old age than was the case in the past, and while people tend to be healthier at any given age than was true in the past, one consequence of these longer lives is that we live longer with chronic disease. What can we do to maximize our healthy years, and postpone these debilitating conditions? We've brought together some of the leading figures in longevity to share their views on how the scientific and biotechnology communities might help us to slow or even reverse ageing.

14:00 – 14:05	Introduction	Siôn Philpott-Morgan, Aikora Health
14:05 - 14:35	Treating Aging with Gene Therapy	Liz Parrish, Bioviva (live by video)
14:40 - 14:55	Enzyme Therapy for Macular Degeneration	Dr Kelsey Moody, Ichor Therapeutics
15:00 - 15:15	Increasing NAD+ Levels for Longevity	Dr Nichola Conlon, Nuchido
15:20 - 15:35	Therapies for thymus regeneration and atherosclerosis reversal	Reason, Repair Biotechnologies
15:40 - 15:55	The challenge to develop medicines targeting senescent cells	Dr Marc Ramis-Castelltort, Senolytx Therapeutics
16:00 - 16:30	Can we live healthier, longer lives through biotechnology? Q&A panel	Moderated by Anastasiya Giarletta, Aikora Health

NOTE: there are 5 minute breaks between each session.

After years of hype and speculation we take a look at how DLT/blockchain is building the foundations for a new healthcare ecosystem. With use cases in Identity, Pharma Supply Chain, Genetic Data Sharing and Social Care, our speakers will reveal their successes and progress in what is fast becoming a mature and fundamental technology for health. What is your digital strategy to remain competitive as these distributed networks start to blossom?

09:30 – 09:40	Introduction - Healthcare 3.0	Dr Stewart Southey, Catena.MBA
09:40 - 10:00	SSI/Decentralised Identity in healthcare: Diffusing trust in the ecosystem through healthcare workers.	Dr Manreet Najjar, CEO Truu
10:00 - 10:20	ReMeLife: Incentivising and Tokenising the care journey	Simon Hooper, CEO ReMeLife
10:20 - 10:40	A single source of truth for documents	Jason Lacombe, CEO Veratrak
10:40 - 10:50	Q&A Truu, ReMeLife, Veratrak	Speakers take questions from Audience
10:50 - 11:00	break	
11:00 - 11:20	Why personalised longitudinal care records will save healthcare and why blockchain will save personal care records	Dr Stan Shepherd, CEO Instantaccessmedical
11:20 - 11:40	Guardtime Healthcare	Glen Ogden, CEO Guardtime Healthcare
11:40 - 12:00	How could Blockchain change Healthcare in the next 3 years?	Andrew Darley, IBM Blockchain
12:00 - 12:20	Genomic Data Sharing	Dr David Koepsell, CEO EncrypGen
12:20 - 12:30	Hashed Health Video	John Bass, CEO Hashed Health
12:40 - 13:00	Q&A and Summary	All Speakers

DAY 2

DAY 2



# TECHNOLOGY & INNOVATION FOR MEDICAL CANNABIS

## STAGE: REVOLUTION

CURATED BY DR BENJAMIN VIARIS DE LESEGNO AND ERIC BYSTROM, CELLEN HEALTH

# 5G FUTURE OF HEALTHCARE

## STAGE: INFLECTION

CURATED BY LUCY WOODS, CAMBRIDGE WIRELESS AND NAIOMI RAMBARACK, STUDENT, UNIVERSITY COLLEGE, LONDON

On November 1<sup>st</sup> 2018, the UK government re-scheduled medical cannabis from a schedule 1 drug (absence of medical benefit) to a schedule 2 drug (allowed to be prescribed under certain conditions). This track explores the development of the UK market since then and how the industry is progressing by drawing on experiences from Canada, Israel and Continental Europe.

In the age of internet-based medicine and E-Health, a panel of leading clinicians and entrepreneurs will also explore what impact technology has on medical cannabis and how innovation is driving new ways of measuring efficacy, patient-doctor interactions, and access to personalised medicines.

With the NICE Guidelines on Cannabis based medicines set to be published on Nov 4th, don't miss this excellent opportunity to interact with some of the leading international medicinal cannabis experts!

Our session will start with a keynote of Prof Dedi Meiri on the GIANT stage and will be followed by panels in a dedicated separate room.

13:30 - 14:00	From plant to pharma, the unique situation of medical cannabis	The latest on cannabis research Prof Dedi Meiri, Technion
14:10 - 14:20	Introduction to Medical Cannabis	Dr Benjamin Viaris de Leseqno
14:20 - 15:00	Medical Cannabis in North America	Dr Chris Blue
15:00 - 15:30	A Patient's Perspective	Basia Zieniewicz; Jonathan Liebling
15:30 - 15:45	break	
15:45 - 16:30	Panel: A Clinicians Perspective	Moderator: Dr Benjamin Viaris de Leseqno Dr Chris Blue - Canada Prof Mike Barnes Dr Haggai Sharon - Israel
16:30 - 17:15	Panel with leading entrepreneurs: Cannabis in the Age of Online Medicine and E-Health	Moderator: Dr Henry Fisher Dr Benjamin Viaris de Leseqno Dr Julie Moltke-Huitfeldt Jaipaul Massey-Singh Dr Chloe Sakal

There is buzz surrounding the revolutionary impact that 5G will have on Healthcare. 5G has the power to alleviate regional and social inequities in healthcare access, increase efficiency and communication. It also offers a global stage for collaboration and opportunities to develop the medical innovation ecosystem. This level of connectivity allows the future of medicine to transcend its traditional limits.

5G is set to create a new reality. Collaborative remote consultations and procedures coupled with the vastly improved shareability of medical records and images will create a step-change in convenience for healthcare professionals.

By filling the gaps in connectivity, this exciting new technology can therefore globally democratize care, while ensuring quality and standards are maintained. The partnership of the telecoms industry with the medical realm brings up hot topics of interoperability, clinician input and patient review. Operators are provided with several areas of healthcare for digitization including hospital management, reservations, online record filing and virtual reality for training or collaboration etc.

The 5G Future of Healthcare conference will include prominent speakers with a multitude of perspectives in discussion on the impact of the 5G Future of Healthcare:

Jaine Pickering, Liverpool 5G Health and Social Care Testbed and Trial project

Lucy Woods, Cambridge Wireless, UK5G Team Member

Simon Fletcher CTO at Real Wireless, member of the UK5G Advisory Board, involved in the AutoAir 5G Testbed will be moderating a panel,

And much more.

The track will run from 10am on 16th October. Final running order to be announced

DAY 2

DAY 2

# TRACK CURATORS

GIANT.health is a platform developed for and by people whose everyday business is health and care. Nothing says that more than our curators who have produced the diverse and compelling conference track programme. We thank them for their amazing efforts.

Pilar Fernandez Hermida, Founder	Marc Southern Co-Founder and CEO	Neil Crump Chief Partnership Officer	Emma Selby Clinical Lead for Digital Innovation
iEXPAND.	bob	bob	NHS Central and North West London NHS Foundation Trust
Catrin Sohrabi Medical Student	Naiomi Rambarack Student	Steve Dann Executive Chairman	Dr Jacob Skinner CEO
Barts and The London School of Medicine and Dentistry	UCL	Medical Realities™	thrive WEARABLES
Alma Ramirez CEO and Co-Founder	Molvia Maddox Founder and CEO	Gordon Anderson Founder	Simon Hooper Co-Founder
vibio	ii Melting IceCubes helping you get on with life	Memory Tracks	ReMeLife
Jason Foster Managing Director	Anastasiya Giarletta CEO and Co-Founder	Siôn Philpott Morgan COO and Co-Founder	Liz Parrish CEO
HEALTH EQUITY CONSULTING	Aikora	Aikora	BioViva
Annie Tay Managing Director	Erica Mitchell AI & Healthcare Lead	Dr Benjamin Viaris de Lesegno Chief Medical Officer	Eric Bystrom Founder
CRSL	TechData Advanced Solutions	CellenCellen	
Dr Stewart Southey Founder, Senior Partner	Gabrielle Powell Co-Founder	Dr Neha Tanna Principal	Lucy Woods Head of Marketing
Catena Consulting	HealthForce Africa	JOYANCE PARTNERS	CW CAMBRIDGE WIRELESS

# BEANSTALKS PROGRAMME AT GIANT

A LITTLE MAGIC TO HELP YOUR HEALTHTECH BUSINESS TO FLOURISH

BEANSTALKS™ at the GIANT Health Event is an international “competition for prizes” for health and care tech start-ups. Early-stage businesses who enter, gain exposure to a huge and diverse audience across the whole Health, technology and business ecosystem.

The BEANSTALKS™ team selects competition finalists to pitch their solutions on stage at the flagship GIANT health event, in front of a prestigious panel of judges and a live audience. We hope you'll be there to cheer them on. Wednesday 16th October 09:45 - 13:45



## BEANSTALKS AWARD CATEGORIES

- Advanced Diagnostics & Therapies
- Best Co-Creation with Patients and / or Healthcare Workers
- Breakthrough Medical or Healthcare Device
- Intercepting Disease and Improving Healthspan
- Addressing Health Inequalities

## OVERALL AWARDS BY BUSINESS STAGE

Pollen: working prototype, user testing stage	Bean: Ready for paying users or patient trial	Sprout: Proven pilot/ trial and ready to scale
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AND THE WORLD HEALTHCARE JOURNAL GLOBAL START-UP 2019

## 2019 JUDGES

Jon Williams	Lina Wenner	Stephen Docherty	Prof Elena Lurie-Luke	Steve Gardner	Dr Dina Radenkovic
GRANTED CONSULTANCY	firstminute capital	Microsoft	ARCTEC	why World Healthcare Journal	NHS Guy's and St Thomas' NHS Foundation Trust

## 2019 PRIZES

aws	Duffle-bag Consulting	evid.health	GA GENERAL ASSEMBLY	GJE	GRANTED CONSULTANCY	thinkingaroundcorners
MD CrowdFunders	SALIX&CO					
<ul style="list-style-type: none"> <li>AWS Activate Programme</li> <li>Grant support</li> <li>Crowdfunding platform</li> <li>IP Clinic</li> </ul>	<ul style="list-style-type: none"> <li>Health Sector Insight</li> <li>Communications clinic</li> <li>Digital Bootcamp</li> <li>Thinkingaroundcorners</li> <li>Product Development</li> </ul>					



# START-UP COMPETITION BEANSTALKS



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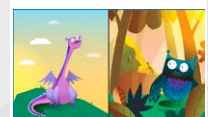
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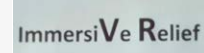
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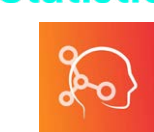
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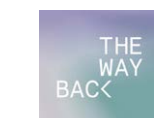
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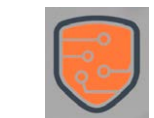
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# THANK YOU HEALTHCARE INNOVATORS' COMMUNITY

**aixr.**

**AIXR**  
[aixr.org](http://aixr.org)

AIXR is a dedicated not-for-profit that exists to support individuals and companies of all sizes as the international trade body for the immersive industries, working across various sectors and vertices across augmented and virtual reality.

**BMJ**

**BMJ**  
[bmj.com/company](http://bmj.com/company)

BMJ is a global healthcare knowledge provider with a vision for a healthier world. We share knowledge and expertise to improve healthcare outcomes.

## CARDIOVASCULAR ENDOCRINOLOGY & METABOLISM

Cardiovascular Endocrinology & Metabolism publishes peer-reviewed research in vascular disease, endocrinology, diabetes and metabolism. Particular emphasis is placed on studies that illuminate the interaction between these disciplines and foster effective collaboration between cardiologists, endocrinologists and diabetologists.

**CW CAMBRIDGE WIRELESS**

**CW CAMBRIDGE WIRELESS**  
[cambridgewireless.co.uk](http://cambridgewireless.co.uk)

CW is the leading international community for companies involved in the research, development and application of wireless and mobile, internet, semiconductor and software technologies. With over 400 members from major network operators and device manufacturers to innovative start-ups and universities, CW stimulates debate, collaboration and knowledge-sharing.

**Doctify**

**DOCTIFY**  
[doctify.co.uk](http://doctify.co.uk)

Doctify was launched in 2016 with the goal of providing more trust and transparency in healthcare. They have rapidly grown their network, working with thousands of top hospitals, clinics and specialists to help them collect patient feedback and better publish it online.

**DOCTORPRENEURS**

**DOCTORPRENEURS**  
[doctorpreneurs.com](http://doctorpreneurs.com) | [@doctorpreneurs](https://twitter.com/doctorpreneurs)

Doctorpreneurs is a non-profit organisation and global community for doctors, medical students and individuals interested in healthcare innovation and entrepreneurship.

**:dosage**  
[getthedose.com](http://getthedose.com)

**DOSAGE**  
[getthedose.com](http://getthedose.com) | [@getthedose](https://twitter.com/getthedose)

Dosage is on a mission to share the fantastic world of cannabis culture and general health and wellness, seen through the eyes of science and with an open-minded and holistic attitude. Our mission is to inspire and enlighten through the power of knowledge.

**#DPH2019**

**DPH 2019 COMMUNICATIONS INFORMATION**  
[acm-digitalhealth.org](http://acm-digitalhealth.org) | [@UCL\\_dPHE](https://twitter.com/UCL_dPHE)

The 9th International Digital Public Health #DPH2019 conference organised by the UCL IRDR Centre for Digital Public Health in Emergencies is taking place this year as part of the 12th European Public Health Conference in Marseille, France (20-23 November 2019).

**EHMA**

**EHMA**  
[ehma.org](http://ehma.org) | [@EHMAinfo](https://twitter.com/EHMAinfo)

EHMA is the leading membership organisation linking health management policy, research and service delivery in Europe. Health Management is not just the responsibility of 'administrators' but also concerns other health professionals, researchers and policy makers. Active since 1982, EHMA has more than 100 members in more than 30 countries and has a strong report in influencing policy at the EU level.

**EMJ**

**EMJ**  
[emjreviews.com](http://emjreviews.com)

EMJ is an independent, open-access eJournal covering several therapeutic areas such as Innovation, Oncology, Gastroenterology, and Cardiology. By combining editorials from key opinion leaders with concise news coverage from the leading congresses within the medical industry, they aim to deliver first-class insight into ground-breaking changes and advances in medicine.

**ENERGE**

**ENERGE**  
[energe.io](http://energe.io)

Energe is a community and platform connecting students to their immediate peers, professors/mentors and startups in the university ecosystem to learn, discuss and collaborate on projects, research, and ideas taking place around them, specifically in the area of MedTech.

**evid.health**

**EVID.HEALTH**  
[evidhealth.com](http://evidhealth.com)

Discover the Best Health Technologies with evid.health we are building the most comprehensive global database of validated HealthTech intelligence. Evid.health provides Health Technology solutions providers with a platform to connect with users and share validated evidence data in a more meaningful way.

**Fw**

**FIRST WEDNESDAYS**  
[firstwednesdays.eu/london](http://firstwednesdays.eu/london)

First Wednesdays is a networking event for those working in medical cannabis in the UK. The group meets on the first Wednesday of every month in a Central London location. Attendees range from entrepreneurs, investors, policymakers and NGOs, all excited by the fast moving UK medical cannabis scene.

**FOUNDERS FACTORY AFRICA**

**FOUNDERS FACTORY AFRICA**  
[foundersfactory.com/africa](http://foundersfactory.com/africa)

Founders Factory Africa will build and scale 140 technology startups across Africa over the next five years. Our unique model provides the best support for startup founders. We combine the smarts and experience of local and international technical specialists, with access to a global network of investors and exclusive partnerships with the world's most forward thinking corporates.

**GPD Healthcare Limited**

**GPD HEALTHCARE LTD**  
[gpdatabase.co.uk](http://gpdatabase.co.uk)

At GPD Healthcare Ltd, we have developed a unique approach which means that we are able to place the most suitable candidates into technology led healthcare services providers as well as supporting those Digital Health companies and services involved in the research of ehealth, mhealth, telehealth, health information technology, telemedicine, Artificial Intelligence and more.

**HA**  
HANWAY ASSOCIATES

**HANWAY ASSOCIATES**  
[hanway.associates](http://hanway.associates)

Hanway Associates is a London-based consultancy specialising in cannabis research, market entry strategy, corporate advisory, and strategic communications. We provide services to help open and enter markets, build brands and grow clients' networks.

**health foundry**

**HEALTH FOUNDRY**  
[healthfoundry.org](http://healthfoundry.org) | [@health\\_foundry](https://twitter.com/@health_foundry)

Health Foundry is a collaborative workspace for digital health and healthtech located in Waterloo, powered by Guy's & St Thomas' Charity and designed and operated by 00. Founded in September 2016, Health Foundry's mission is to support and accelerate digital innovation in healthcare.

**Healthcare Club**  
A London Business School Student Club

**HEALTHCARE CLUB**  
[clubs.london.edu/healthcare/about](http://clubs.london.edu/healthcare/about)

Short club description: The LBS Healthcare Club is a student organisation that aims to promote all aspects of the healthcare sector, from care provision to digital health, life sciences and medical devices. With over 700 members, the club is one of the most active professional societies on campus.

**Healthcare Tech Outlook**

**HEALTHCARE TECH OUTLOOK**  
[healthcaretechoutlook.com](http://healthcaretechoutlook.com)

Healthcare Tech Outlook, a print platform offering healthcare decision makers critical information on adopting, innovating and building new programs and approaches to enhance their capability to provide care.

**Hospify**

**HOSPIFY**  
[hospify.com](http://hospify.com) | [@hospifyapp](https://twitter.com/@hospifyapp)

Hospify is a GDPR and NHS IG-compliant messaging service designed to remove this liability both in the UK and in Europe. Hospify puts a simple, affordable solution directly into the hands of healthcare professionals and patients. In short, Hospify is a compliant, trusted healthcare messaging app that anyone can use.

**London Business School**

**LONDON BUSINESS SCHOOL**  
[london.edu](http://london.edu)

London Business School is a place where curious thinkers are unleashed and encouraged to experiment. Where future business leaders are exposed to countless perspectives and learn how to think, not what to think. And where minds are truly brought to life, so they can have a remarkable impact on the world.

**MedShr**  
The App for Doctors

**MEDSHR**  
[medshr.it/gianthealth](http://medshr.it/gianthealth) | [@medshronline](https://twitter.com/@medshronline)

Developed by doctors, MedShr is the easiest and safest way for healthcare professionals to discover, discuss and share interesting clinical cases, medical images and innovations.

**SoPE**  
society of physician entrepreneurs

**SOCIETY OF PHYSICIAN ENTREPRENEURS (SOPE)**  
[sopenet.org](http://sopenet.org) | [@SoPEOfficial](https://twitter.com/@SoPEOfficial)

SoPE is a physician-led, open, not for profit global biomedical and clinical innovation network. We encourage non-physicians to join us. Our mission is to assist members with getting their ideas to patients or helping someone who is by providing education, resources, networks, mentors and experiential learning.

**STARTUPS MAGAZINE**

**STARTUPS MAGAZINE**  
Startups Magazine champions tech startups - the entrepreneurial heroes disrupting industries and the creators challenging norms and breaking boundaries. In print and online, the Startups Magazine team works hard to deliver unique content to startups providing valuable insights from industry experts, advice on business fundamentals and most importantly - a platform to introduce tech startups to the world stage.

**The Journal of mHealth**

**THE JOURNAL OF MHEALTH**  
[thejournalofmhealth.com](http://thejournalofmhealth.com)

The Journal of mHealth is an international publication bringing the latest developments in health technology innovations to healthcare and industry professionals around the world. Featuring, the Latest Industry News, Articles, Research, Industry Whitepapers, Market Reports, and Service Reviews, The Journal of mHealth is the "Global Voice of the Digital Health Industry".

**UK Pharmacogenetics & Stratified Medicine Network**

**UK PHARMACOGENETICS AND STRATIFIED MEDICINE NETWORK**  
[uk-pgx-stratmed.co.uk/index.php](http://uk-pgx-stratmed.co.uk/index.php)

A not for profit organisation committed to developing the much needed multidisciplinary collaborations across academia, industry, healthcare providers, regulators, and patient organisations to promote the use of pharmacogenetics and adoption of personalised medicine in the clinic to improve healthcare outcomes.

**UK 5G**

**UK5G**  
[uk5g.org](http://uk5g.org)

UK5G is the national innovation network dedicated to the promotion of research, collaboration and the commercial application of 5G in the UK. It is a 'network of networks' that enhances links between R&D activities undertaken by different organisations across telecoms and industry, including the UK Government's 5G Testbeds and Trials Programme.

**MedTech Imperial**

**IMPERIAL COLLEGE LONDON MEDTECH SOCIETY**  
[union.ic.ac.uk/medic/medtechimperial](http://union.ic.ac.uk/medic/medtechimperial) | [@imperialmedtech](https://twitter.com/@imperialmedtech)

As a society we aim to provide a collaborative platform for MedTech innovation at Imperial College London. We provide a place for students studying engineering, medicine and technology to come together, to network, form working groups and create the next big thing in the ever-growing MedTech industry!

*Innovate  
Collaborate  
Accelerate*



## ASCENSIA DIABETES CARE ON A MISSION TO INNOVATE

MARTIN GERBER, GLOBAL HEAD OF INNOVATION

Healthcare innovation has become a more important part of people's lives today, with society changing its relationship with health and wellness, and consumers becoming more empowered to manage their own health.

The concept of innovation in healthcare companies is therefore being transformed from what it was 10 or 20 years ago. Back then, innovation was handled almost exclusively by R&D teams and product development was a rigorous, but slow process. Now, with the digitization of healthcare, advances in big data and artificial intelligence, and the exciting work being done by start-ups and entrepreneurs, how we do innovation is changing, especially in medtech.

Despite these changes, what innovation is has not changed and the key principles still hold true. Firstly, the core of innovation is recognizing a problem. Any innovation you want to develop needs to be solving an identifiable problem. I believe that innovation itself is based on the desire to find a solution for a problem that cannot be solved by what already exists.

Not only does it require a problem, it also requires you to think differently and address that problem in a new way, either by using a novel solution, a new type of technology or a different approach.

And finally it is also important that it creates value. Innovation is not just having an idea, but executing on something so that it produces value for someone. In healthcare, there can be great ideas, but to really be innovative, that idea needs to be able to be implemented and generate value for the person who will use it or the healthcare system.

So I define innovation as "Creating value by applying new solutions to meaningful problems" and whatever evolution is happening in the world of innovation, I think this is a timeless and relevant description.

One of the biggest changes I have seen in medtech companies is where innovation takes place in the

organization. Innovation is no longer limited to the R&D teams, it can happen in all parts of a company. For example, the close relationship of Commercial Teams to their customers can enable them to see a problem differently and find the right solution, and teams in Regulatory are having to respond changing regulatory requirements in digital health that can help to uncover new ways to innovate. Although my title is Global Head of Innovation at Ascensia, I come from a more traditional medical device R&D background and have many years of experience running product development programs. At Ascensia, we have changed my area of responsibility to be Innovation, as a reflection of the fact that R&D is not the only way we innovate these days. It comes from many parts of our business and we welcome contributions from all teams, even those that work in our more functional areas.

That is not to say that traditional R&D programs in healthcare are not important, as they remain essential for the development of new products and solutions to address patient needs. We have major ongoing R&D programs that are aiming to create the next generation of continuous glucose monitoring devices and digital solutions that meet the needs of people with diabetes.

However, the explosion of growth in areas like digital health innovation has meant that traditional R&D can sometimes struggle to keep pace. Companies are increasingly turning to partnerships with startups to generate cutting edge ideas to supplement these programs, as well as running competitions, crowdsourcing events and hackathons to source innovation. We have even launched an internal innovation competition at Ascensia to harness the great ideas that our employees have to improve our business, as there are some untapped areas of our organization that are truly innovative.

As well as generating ideas, we are using these activities to build a culture of innovation. By showing current employees and the outside world that we are a company that has innovation at its core, it can help to attract and retain top quality talent and interest

exciting new partners.

One of the keys to making innovation possible is to provide an environment where it can flourish. There is often a natural immunity to change and new thinking, and there are barriers that inhibit innovation, which need to be broken down. Apathy, an unsupportive environment, being overworked, lack of knowing what innovation looks like and fear of failure. Organizations need to find ways to address these issues, celebrate successes and provide the right environment.

This means encouraging employees to take risks, feel able to fail and have the opportunity to learn from it. This can often go against the results-based culture of many corporates, but this space for failure and continuous improvement is a key part of innovation. Innovation needs people to be passionate, take ownership and be responsible for driving ideas further. We also encourage them to approach problems by being open minded, resilient and focused on the needs of the stakeholder they are trying to help.

Finally, we cannot just look inside to improve innovation. It is clear in the modern medtech industry that innovation is something that you cannot do alone. Companies need partners who have expertise, ideas or are able to investigate potential solutions that they cannot.

That is why at Ascensia we have a strong desire to work with the best partners. This can be individual innovators who want to join our team, start-ups with an exciting idea that needs the funding and resource to take it to the next level, or a larger partner that needs infrastructure or the diabetes expertise that we can provide. We always want to hear from people with exciting projects in diabetes, so contact us if you have an idea. Together you can join our mission to innovate in medtech and digital health.



**WE ARE FOCUSED  
ON EMPOWERING  
PEOPLE WITH  
DIABETES, BUT AS  
MORE THAN JUST  
A BLOOD GLUCOSE  
MONITORING  
COMPANY.**

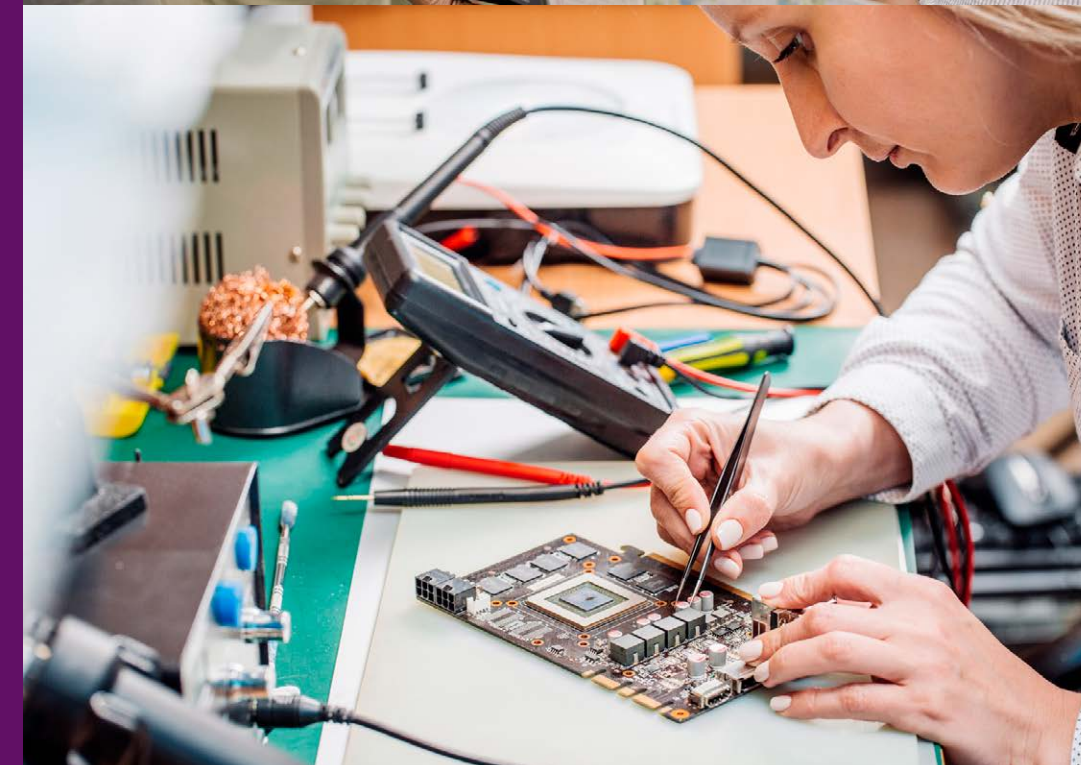
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management  
solutions of the  
future that will  
improve lives.

[www.ascensia.com](http://www.ascensia.com)

**Contour  
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Blood Glucose  
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**Contour**  
diabetes app





## TECH DATA

# THE ENORMOUS POTENTIAL OF AI IN HEALTH & LIFE SCIENCES

CLAIRE SAINES - IBM AND NETAPP MARKETING MANAGER

The adoption of artificial intelligence in research-intensive organizations has seen massive growth in recent years. Universities, life sciences and healthcare organizations are beginning to shift from theoretical to practical applications of machine intelligence. But what problems are we trying to solve? Dr Lester Russell, Clinical Digital Innovation Lead in AI at IBM and NHS GP, provides his perspective on the use of Artificial Intelligence within healthcare.

### How can we increase the efficiency of the healthcare that we deliver?

As the cost and demand for healthcare rises exponentially, so does the opportunity for AI to improve the efficiency of diagnoses, improve access and save costs. Machine learning, deep learning and artificial intelligence face heavy scrutiny due to people's reservations regarding what these technologies will do and how they perform what's expected of them. Healthcare practitioners and patients rightly raise concerns about how it can be regulated to make sure that it's safe for healthcare provision. The challenge with this is how AI can be advanced from research into clinical usage, so that doctors can use AI in the consulting room.

A glimpse of AI in healthcare can be obtained from how some professionals are using it today. One of the more exciting developments we've seen is in digital pathology, especially in histopathology. AI is being used to augment the traditional pathology process of examining glass slides through a microscope to make diagnoses. There is an enormous demand for this service, but we currently lack the capacity to handle this demand – we don't have enough histopathologists to look at all those slides. Diagnosing a disease entity from looking at slides is not a trivial task. It takes a significant amount of time observing the slide from the microscope to confidently determine a certain pathology (which is often subjected to a second opinion) before proceeding to a final diagnosis. However, innovations in AI suggest that machines can work alongside humans, enhancing the traditional triage process, thereby reducing the demand on the limited histopathologists as well as drastically speeding up the time to diagnosis. This technology can be used to

perform tasks that are monotonous yet important, like counting the number of cells per slide or even to recognize new disease entities. Machines can handle the more laborious laborious tasks, executing them precisely and reliably without getting tired, "taking the robot out of the human"

### How will Artificial Intelligence be used in the future?

It has been said that artificial intelligence will not replace pathologists but pathologists who use AI will probably replace pathologists who don't. The same may be true of other clinical specialities. The future will see more use of technology and AI in frontline settings such as general practice. We could imagine an active AI-powered desktop assistant - monitoring what's being entered into the electronic record while the GP is seeing the patient. The assistant might provide suggestions for potential diagnoses in response to the input of symptoms and physical signs, akin to autocomplete predictions that we all benefit from when using our smartphone keypads. The desktop bot could make suggestions, such as "Could it be xyz?" or "Have you thought about this investigation?" - like a sage voice whispering in the clinician's ear, suggesting different diagnoses that may not be on the front of mind and helping the clinician do the job. That could be very valuable, considering the number of patients GPs see every day and the inevitable fatigue that builds up throughout the day, reducing the human capacity to function optimally. Such AI assistance could be a pivotal factor in greatly increasing the accuracy and efficiency of diagnosis in practices.

### How can we describe the rise of machine intelligence?

Is it fair to describe this rise of AI as an augmentation of human capability rather than a replacement of it? When posed to tech industry employees, the answer tends to be yes, but there is still widespread misconception. Artificial intelligence often brings the misconception that machines can do everything better than humans, a concept that technical professionals consider inaccurate. For example, let's consider robots that do narrow,

specific jobs like constructing and fitting parts of a car, which are done better and more reliably than a human. In this scenario, we are quite comfortable with their superior performance - that is what the machines were built for. However, we now sit within a middle ground where AI is used to do things in a medical context, in a life sciences environment to assist the human effort. Essentially this has moved us from a Human versus Machine to a Human plus Machine environment. A very important move for us indeed, representing how we can apply machine intelligence concepts from automated environments into more critical aspects involving the intricate nature of human health. Following these innovations, an exciting market landscape has emerged to measure the quality and effectiveness of one AI versus another AI (Human-plus-Machine versus Human-plus-Machine).

### Are there barriers and if so, what barriers are affecting the full exploitation of AI today?

Effective regulation shouldn't be an inhibitor of innovation, it ensures these technologies are safe, guaranteeing success in their various applications. Innovation bears a very creative nature, thus tolerating some otherwise unconventional factors to push boundaries for progress. Nevertheless, in pushing boundaries and exceeding limits, we must do so safely and that is why it is imperative we regulate this technology. To appropriately regulate, healthcare professionals, researchers, etc. must work with regulators to make sure what they are doing is safe and effective. This contributes to building trust with the technology and would eventually reduce the stigma of AI having a below-par impact on healthcare and life sciences.

Another barrier facing AI is the expectation of what it might do, which in the past had been blown out of proportion relative to the technology's ability to fulfil the expectations of the time. However, this barrier is being broken down as we speak, where technology is catching up with the expectations. We must remember that AI has been around for a long time and is continuously improving to achieve the level of human satisfaction where we will be comfortable with it in any applicable situation.

### What skills do these organizations require to take full advantage of AI?

We might assume the skill domain is limited to technical IT specialists - but on the contrary, the skills are quite multidisciplinary. There is a combined workforce of technical professionals, medical researchers, frontline clinicians, the GP surgery and the regulators all working together. Adding to the mix the various stakeholder groups, all to engage in the discussion about how technology can innovate safely and as quickly as possible.

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**Tech Data**

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**HEALTHCARE & LIFE SCIENCES**





CHARITY

# Act For Cancer: HELP US MAKE PERSONALISED CANCER TREATMENT A RIGHT, NOT A PRIVILEGE

JESS MILLS - CO-FOUNDER AND CEO, ACT FOR CANCER FOUNDATION

At 6.45pm on Wednesday 24<sup>th</sup> May 2017, Dame Tessa Jowell - my Mum and centre of our family's universe - suffered two major seizures. With no previous symptoms at all, the subsequent diagnosis was a Grade 4 Glioblastoma, the most lethal of all cancers. We were told she had 14 months to live. The magic of our ordinary life had ruptured, forever.



Hers, like 51% of all cancers diagnosed each year, was classed as 'untreatable'. This meant the standard chemotherapy, radiotherapy and surgery treatment options available through the NHS could only extend her life by a year, if we were lucky. We were cast off into a landscape that felt impossibly dark and completely hopeless. This is an experience that thousands of newly diagnosed patients and families face every day.

Shockingly, the UK has one of the worst cancer survival rates in the Western world, but with the dawn of personalised medicine and all it involves, we have an opportunity to become global leaders in cancer care, treatment and research. As my family experienced first-hand, tailored, cutting edge treatments do exist – but the current system prevents universal access to them. Access to the best is still largely determined by your personal network, support and financial resources. In Mum's words, this is 'the most despicable example of inequality'.

#### Our mission

ACT for Cancer Foundation was created in the last four months of Mum's life to close this huge cancer inequality gap. We are a social movement for change, focused on delivering Mum's legacy, by enabling a new way of personalising cutting edge care through the NHS, so the best is available to ALL cancer patients.

Mum believed passionately that transformative change can only be achieved through collaboration, and that spirit is at the core of our mission. We will work with patients, doctors, governments and health systems to deliver this change at scale, starting with brain cancer, as an exemplar for what can be done for cancers across the board.

ACT for Cancer Foundation's ambition is to be the largest charitable funder of personalised cancer treatment platforms in the UK. In this way, we are at the forefront of a Movement focused on creating change in a healthcare system where everyone with untreatable cancer is given the best chance to live well, for longer.

Our movement for change works for the patient, the oncologist and for the acceleration of scientific discovery by supporting 5 key areas:



Join our Movement for Cancer Change – sign up at [www.actforcancer.org.uk](http://www.actforcancer.org.uk)

There are 5 key pillars to Act for Cancer



**FOR PATIENTS**  
Universal access to new drugs and therapies



**FOR CARERS**  
Coaching loved ones to become skilled advocates



**FOR ONCOLOGISTS**  
Training Oncologists in molecular oncology and adaptive therapies



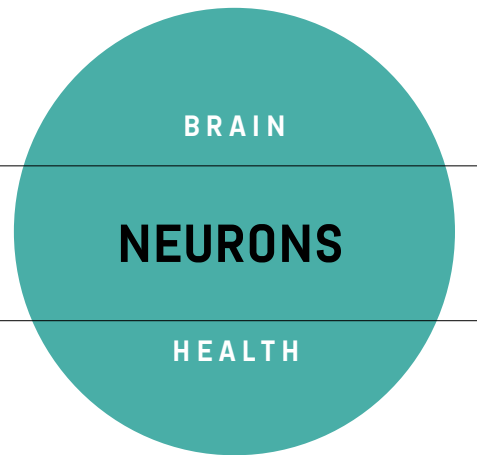
**FOR CHARITIES**  
Unite the voices in rare, complex and late-stage cancers to combine learnings in real time



**FOR SCIENCE**  
Invest in the technologies required for this to become the minimum standard of care and research

ACT for Cancer Foundation is a restricted fund under the auspices of Prism the Gift Fund, registered charity no. 1099682.





THE BRAIN HEALTH TEAM

.....  
"WE SHOULD ALL BE  
THINKING ABOUT BRAIN  
HEALTH"



## brain.health at GIANT 2019

Dementia, including Alzheimer's disease, is recognised as one of the greatest global health challenges of the 21st century. With no known cure for the various forms of dementia and other neurodegenerative conditions, the concept of prevention through early intervention is becoming widely recognised as the best way to tackle these diseases.

The Brain Health Initiative looks to raise awareness of this critical topic, and to spread the message that cognitive decline is not inevitable.

Helping people understand this, and how to keep their brain healthy – through evidence-based, modifiable lifestyle factors – is at the core of our mission. Ongoing research is beginning to build a picture that shows how lifestyle factors – diet (including gut health), sleep, exercise, and staying socially and mentally active help form the foundation of how to keep the brain healthy as we age.

For the brain to maintain optimal function, the three main cell types (neurons, astrocytes and microglia) must all work correctly. Whilst astrocytes and microglia are important in supporting the function of neurons, it is the neurons that are directly associated with aspects of memory, learning, and cognitive function. These neurons transmit information from the body's sensory apparatus (vision, touch etc.) and process this information by sharing it across different brain regions. This in turn sends signals to the body via motor neurons, where physiological responses are executed (muscle movement etc.). For neurons to work optimally, different conditions must be met:

- As neuronal signalling is an energy demanding process, there must be adequate delivery of oxygen and nutrients to the brain

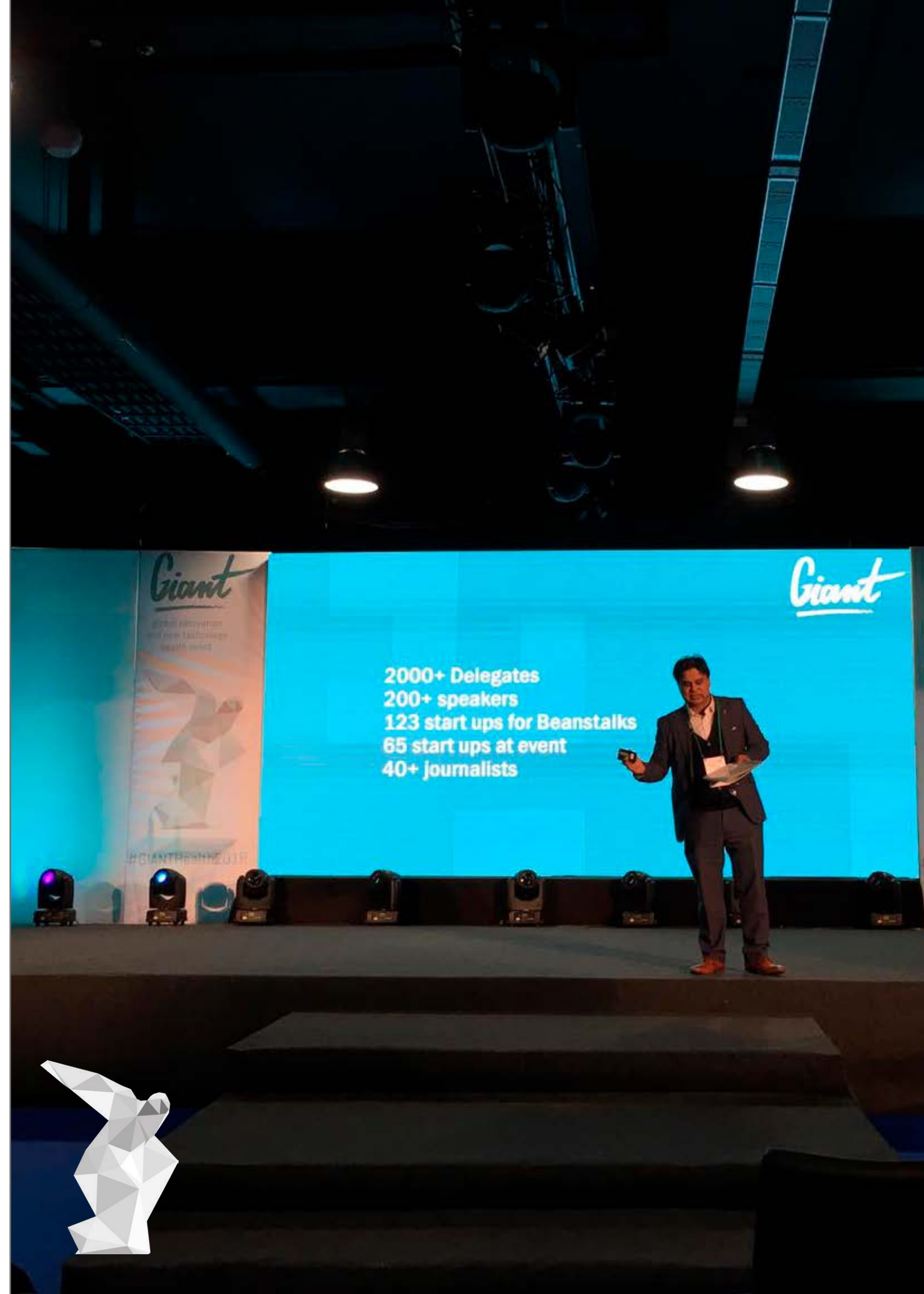
- When neurons process information from the body, they make many new connections with other neurons in the brain. This process is greatly aided by the presence of omega-3 polyunsaturated lipids, which make them more flexible and able to connect with their neighbouring neurons

- Levels of waste products and toxins should be removed rapidly, and the inflammatory status of the brain should be maintained in a low state

Significantly, these processes are modifiable through different lifestyle factors. As an example, with reference to diet, we know that dietary flavonoids (such as those found in fruits) and nitrate (found in leafy green vegetables) improve blood flow to the brain, leading to enhanced brain activity - and also better cardiovascular health. These agents, especially together, have the ability to prevent neuronal damage, thus potentially contributing to the prevention or delay of a variety of brain diseases.

While this is only one example, you can find out more about how lifestyle factors affect the brain, and how to keep your brain healthy at our website, brain.health, which launches soon. If you're interested in staying in touch for our full launch, please visit the site, and sign up for updates.

**With so many lives impacted by dementia and other neurodegenerative conditions, it's never too soon, or too late, to start thinking about how to keep your brain healthy.**







# Grovelands™

CHRIS HAFNER - EXECUTIVE DIRECTOR, GROVELANDS

I have been attending GIANT since it started in 2016. Over the previous 3 festivals I have observed some amazing start-ups, learned from visionary speakers and discussed investment strategy with VC's – all incredible human beings passionate about health and wellness. Today, rather than focusing on technology, I want to focus on you – the entrepreneur, innovator, the business leader.

Over the past few years I have been curious about what makes innovators and entrepreneurs – YOU – successful. I've poured over volumes of research, case studies and books to try to discern the attributes of successful entrepreneurs and innovators. After much analysis and synthesis I've been able to boil it all down to the following six attributes:

- Creativity – identifying problems to solve in new and novel ways
- Observation – ability to understand the scope of the problem, how it is being solved today, markets, institutions, regulation – the full ecosystem
- Focus – the ability to home in on the solution and see it to realisation
- Clarity – the intersection of observation and focus, the ability to maintain focus while at the same time observing changes in the environment
- Energy – the physical and mental stamina to endure the journey
- Confidence – the ability to convey your passion to your team, the markets and investors with conviction

We need all six of these attributes to succeed. But the irony I have observed is this: The things that you as a business leader, an innovator, an entrepreneur, need the most - YOU put at risk by the nature of the pursuit of your passions. Lack of sleep, skipping meals, fast foods, 'always on', working long hours, lack of down time, the list goes on. The disconnect between what

we need – those 6 attributes – and how we pursue our ambitions are the festering remnants of an industrial culture based on management and leadership theory, still taught in schools today which is based on western, white, male, assembly line, manufacturing thinking and simply isn't fit for purpose in today's diverse, inclusive global knowledge-based innovation environment. We are literally suffering mentally and physically from the pursuit of our ambitions in this way, exacerbated by social media, personal brand building, awards competitions and more.

So what do we do about this? Below are four simple yet powerful behavioural nudges that changed my life and I am asking you to consider for your own wellness and success:

- Unfocus – You need time to disconnect from everything. Try meditation, get away from co-working spaces and try some solitude, even have a lie in – this will improve clarity
- Refocus – Learn something new, outside your work area – dancing, pottery, a new language. You will meet new people and strengthen your cognition, improving your focus and observation
- Exercise – this could be as simple as a brisk 20 minute walk each day. Your body will produce immensely beneficial chemicals to fuel your creativity and energy
- Refuel – Don't skip lunch – ever – make the time to go out of the office – and eat well, nutrition is key – no special diets, just try this simple nudge: single ingredient foods and non-white foods (skip the white breads, potatoes, sugar, rice – reduced carbs). This will improve your energy

By taking on the four nudges above, your confidence will increase – giving you a boost to all six attributes and improving your health, wellness and your success.





# CHECK OUT THE EXHIBITORS



**Act for Cancer**  
actforcancer.org.uk | @ACTforCancer  
Isabelle Marje  
marje@actforcancer.org.uk  
Focused on delivering personalised treatment to all currently 'untreatable'? cancer patients throughout the NHS.



acute technology  
We are applying Internet of Things technologies to healthcare. We have been innovating in this field, and our special interest now is bringing technology to bear on the medication adherence problem.



**Apricity Fertility UK**  
apricity.life  
Giulia Sciota  
giulia@apricity.life  
APRICITY is a virtual fertility clinic. It aims, first, at disrupting the fertility treatment experience and then, at improving chances for women and couples who have difficulties to conceive using Artificial Intelligence.



**Autolomous**  
autolomous.com | @autolomous  
Kwok Wah Pang  
kwok@autolomous.com  
Autolomous is enabling ATMP Manufacturers bring autologous medicines to more patients. Using smart technology, we are driven to make this highly-specialised area of medicine deliverable, available and affordable.



**Ayming Finance & Innovation performance**  
ayming.co.uk/ | @Ayming\_UK  
Jonathan Foster, BDM  
jfoster@ayming.com  
We are experts in business performance and we combine highly specialized knowledge - in many areas - with field collaboration to enable our clients and their associates to go further.



**Bios**  
bios.health/ | @BIOShealth  
Hailey Eustace,  
hailey@bios.health  
BIOS is creating the open standard hardware and software interface between the human nervous system and AI.



**Become**  
webecome.co.uk | @Become\_TM  
Sarah Froggatt, Head of marketing  
sarahf@webecome.co.uk  
We're a brand with one very important mission: to support female health and wellbeing. Our stylish range of clothing has proven to significantly reduce the severity and impact of hot flushes and night sweats caused by menopause, illness, surgery and prescribed drugs. As well as bringing intelligent clothing solutions to millions of women of all ages, we want to transform how women today talk about, think about and take on their menopause.



**Brain Health Initiative**  
brainhealthinitiative.org | @BHIFlorida  
Oliver Sharman, oliver.c.sharman@gmail.com  
The Brain Health Initiative (BHI) is a nonprofit organization focused on providing a better, healthier future to children, first responders, athletes, military personnel and others who have suffered from brain trauma. We are committed to advancing the care of brain injuries through: advanced evaluations, including the latest in diagnostic testing; more targeted treatment plans; further research and enhanced awareness.



**Care Line Live**  
carelinelive.com/ | @CareLineLive  
Josh Hough,  
jh@carelinelive.com  
The care management system for home care & domiciliary care agencies. A system that delivers time to care through improved efficiency, cash flow & capacity. Increased revenue, profit & staff retention gives you more time to care for your clients, your staff & your business.



**Conversation Health**  
conversationhealth.com @convershealth  
John Reeves,  
drjohn@conversationhealth.com  
conversationHEALTH is a digital health company that delivers highly-personalized AI-driven conversations? to HCPs, patients and consumers, through text, voice and digital humans channels.



**Ctrl Group**  
ctrl-group.com | @ctrl\_group  
Ben Carrington,  
bc@ctrl-group.com  
Ctrl Group is a team of designers, researchers, software developers and healthcare experts who work internationally with healthcare companies and providers who want to use new technology to improve people's health. We create products and services that are effective, engaging and safe.



**DARE TO BE PURPLE**  
bringing designs to life  
designers and manufacturers is to make products that people will want to own and use, and that are relevant to peoples lives today. Our message to our customers is to embrace brilliantly designed products that help you live a 'purple'? life. At Dare to be Purple we don't accept that we should and not to accept patronising, mediocre products that shout of old age and turn your home into a care home.



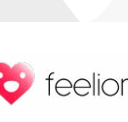
**Digitalis Technology**  
digitalistechnology.co.uk  
@Digitalis\_Tech  
Nicholas Harvey, GP Founder & CEO |  
NHS Clinical Entrepreneur Chair  
nick@digitalistechnology.co.uk,  
Digitalis CPD is a platform that helps busy healthcare professionals meet their obligations to professional development while helping organisations maintain the high standard of their members. We do this through our unique combination of Digitalis learning communities and an intuitive smartphone app that cuts through administration and, for the first time, allows professionals to record their learning collaboratively.



**Doctify**  
www.doctify.co.uk/ | @doctifyuk  
Nicholas Barcelos,  
finance@doctify.co.uk  
Doctify is an online platform where patients across the UK can search, compare and book medical practitioner services, 24/7 with the click of a button.



**Doddle Bags/Doddle Creations Ltd**  
doddlebags.com/ | @doddlebags  
Margie Frew, N/a  
margie@doddlebags.com  
The genius 100ml reusable pouch for travellers, campers, babies and adults, artists and adventurers.



**Feeliom**  
www.feeliom.com/ | @feeliom\_  
George Taktak,  
george@feeliom.com  
Feeliom enables organisations to engage with people's emotions and help them feel better. Our mobile app brings together the worlds of emotion and technology to help people easily express their feelings so that they can connect with the support they need; whether that's from family and friends, colleagues at work or professional services.



**Fruit Street**  
www.fruitstreet.com  
@FruitStreetNews  
Laurence Girard  
laurence.girard@fruitstreet.com  
Fruit Street delivers the CDC's Diabetes Prevention Program using telehealth, wearable devices, and mobile applications. The program is based on clinical research that was published in the New England Journal of Medicine in 2002 which showed that patients who complete the program have a 58% risk reduction for developing diabetes.



**Globebox Health**  
www.globebox.com/health  
Lucy Wills, CEO  
lucy@globebox.com  
'Developing a new health data framework for under-diagnosed conditions and disabilities that will help and support everyone to identify track and report their symptoms effectively; Creating new user-led support services to better fit everybody's needs | ensure that no one is left behind and that everyone can take part and benefit; Making the invisible visible by gathering the data and insights that are currently being missed.

conditions and disabilities that will help and support everyone to identify track and report their symptoms effectively; Creating new user-led support services to better fit everybody's needs | ensure that no one is left behind and that everyone can take part and benefit; Making the invisible visible by gathering the data and insights that are currently being missed.



**Healing Clouds**  
https://www.healingclouds.com | @HealingClouds  
Asim Amin,  
asim@healingclouds.com  
Healing Clouds is the world's leading online platform that connects holistic healthcare practitioners and clients for remote therapy sessions through live and secure video.



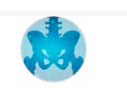
**Hospify**  
hospify.com | @hospifyapp  
James Flint, CEO, AI consultant and author  
james.flint@hospify.com  
Hospify combines the best of LinkedIn architecture to provide a universal data and messaging platform for health care. Health care is no longer confined to the surgery and the hospital and the direction of travel is for more and more services to be broken out of these institutions and placed in the community or even in people's homes (see Innovation Impact section, below for policy evidence).



**Human Milk Foundation**  
humanmilkfoundation.org | @milk\_foundation  
Felicity Webster, Head of Communications  
flic@humanmilkfoundation.org  
The Human Milk Foundation is a charity based just outside London. We provide donor human milk to sick premature babies in neonatal intensive care units at over 30 hospitals across London and the south east and to mums in the community with cancer.



**IgniLife**  
www.ignilife.com | @ignilife  
Fabrice Pakin,  
fabrice@ignilife.com



**Imera.AI**  
imera.ai/ | @imera\_ai  
Sandeshkumar Lakhol,  
sandesh.lakhol@doctors.org.uk  
IMERA software issues instant reports for musculoskeletal radiographs. It is a one-stop automated X-ray analysis and decision-making tool for managing orthopaedic injuries and conditions.



**Infodemics**  
infodemics.com/landing  
@infodemics1  
Nestor Inimmba, Project Lead  
nestor@infodemics.com  
Infodemics is a risk communication tool that harnesses tech prowess to disseminate real time information to Hard-to-Reach areas during disease outbreaks.



**Kinseed**  
kinseed.com | @KinseedSocial  
Pal Bhusate,  
pal@kinseed.com  
As a Microsoft Cloud Platform partner, we can help you get your business "into the cloud"?, taking advantage of the latest technologies, trends and capabilities. Our Managed IT services arm can help take the pain out of managing your IT hardware, software and processes.



**Lifecast Body Simulation**  
lifecastbodysim.com | @Lifecast\_  
Body  
David Halliwell, Director  
david.halliwell2309@gmail.com  
Lifecast Body Simulation based in Elstree Film Studios London are developing a range of highly accurate and lifelike "bodies" which will transform the way Medical Simulation and Education is delivered. We believe that realism in simulation has a substantial effect on our Learners - Via Emotion and Buy in. Realism in movement and feel - with an ongoing commitment to excellence.



**Life Code GX**  
lifecodegx.com | @LifecodeGx  
Emma Beswick,  
emma@lifecodegx.com  
Lifecode Gx' genetic testing and analysis services enable health professionals and clients to implement proactive, preventative, and truly personalised, health plans.



**Medical Realities**  
https://www.medicalrealities.com/ | @MedRealities  
Steve Dann,  
steve.dann@gmail.com  
Medical Realities is an award winning business offering medical training products, specialising in Virtual Reality and Augmented Reality. By using Virtual Reality, Medical Realities can reduce the cost of medical training, reach a wider audience & provide a completely safe learning environment for doctors, surgeons and medical students.



**Memory Tracks**  
https://www.memorytracks.co.uk/ | @MemoryTracks  
Gordon Anderson,  
gordon@memorytracks.co.uk  
Memory Tracks - bringing the healing power of personal music to all those living with cognitive impairment.



**MyHixel**  
https://myhixel.com/ | @MYHIXEL  
Patricia Lopez Trabajo,  
press@myhixel.com  
Myhixel, Spanish startup founded with the mission of improving male sexual well-being. Pioneers in the development of a revolutionary method scientifically proven that helps men and their partners to reach a new sexual level.



**Mystery Vibe**  
https://world.mysteryvibe.com/ | @mysteryvibe  
Soumyadip Rakshit,  
soumyadip@mysteryvibe.com  
At MysteryVibe, our vision is a world where everyone has the knowledge & freedom to elevate their sexual health & wellbeing. We invent category-defining products that combine the best of humanity & technology to create the most personalised pleasure experience.



**Nori Health**  
https://norihealth.com | @norihealth  
Roeland Pater, Founder and Growth Leader  
roeland@norihealth.com  
Digital therapeutics program with AI-driven chatbot coach Nori, to discover and change lifestyle factors that impact symptoms and quality of life.



**Novalins**  
https://www.novalins.com/ | @NovalinsSL  
Elena Ursache,  
elena.ursache@novalins.com  
Built on the ground-breaking idea of creating dynamic healthcare translations fast, smart and easy. Novalins saw the growing need to connect medical/pharma world partners on every level.



**Nuchido**  
https://nuchido.com/ | @Nuchido  
Nichola Conlon,  
nichola@nuchido.com  
At Nuchido we are working to translate the latest scientific advances in ageing research into revolutionary new products that slow, and even reverse, the signs and processes of ageing.



**Nuva Enterprises**  
https://www.nuvaenterprises.com | @LtdNuva  
Jocelyn Lomer, CEO  
jocelyn.lomer@nuvaenterprises.com  
NuVa Enterprises is run by a close knit team of experts that are passionate about what they do and want to improve the quality and understanding of collaboration worldwide. If you see NuVa you will instantly see that it is not only ahead of the game but the very collaborative environment you have been looking for since touchscreens became a reality.



**Paddington Works**  
https://www.paddingtonworks.com/ | @PaddingtonWorks  
Lulu Laidlaw-Smith, Managing Partner  
lulu@paddingtonworks.com  
Paddington Works is a community of diverse creatives, brought together in a purposely designed, free flowing work space, built with leading edge design and technology at the forefront, to enable entrepreneurs and start-ups to grow. We offer serviced workspace, for start-ups, scale-ups and fully-fledged businesses and are here to create new opportunities & provide innovative and affordable space for a diverse industry.



**The Parallel**  
https://the-parallel.com/ | Alexander Padhaiski,  
a.padhaiski@keylab.com  
The Parallel provides custom software solutions using VR/AR/MR technologies and platforms for enterprises across the UK and worldwide.



**Praxis Workwell**  
https://www.workwelltoday.co.uk/ | @Workwelltoday  
June Dawson,  
june@workwelltoday.co.uk  
Workwell is an online service that has been developed to help business owners improve the productivity and profitability of their organisation. It uses proven algorithms and machine learning to identify a series of organisational and personal factors that can lead to the improvement of workforce quality of life and wellbeing, leading to improved retention, productivity and morale.



**Poonyah Care Ltd**  
https://poonyah.co.in/ | @PoonyahCare  
Tornike Asatiani,  
tornike.asatiani@yahoo.com  
We are a digital platform providing holistic health & wellness care for seniors. The Poonyah Healthcare Apps help users collect, store and share personal health information in a single health record from home, work and healthcare facilities.



**Simedics**  
thejournalofmhealth.com | Matthew Driver, Editor  
matthew@simedics.org  
Simedics is a healthcare journal publisher and developer of digital products designed to innovate healthcare services. Simedics also organises the Global Digital Health 100 Awards.



**SoeMac**  
https://www.soemac.com/ | @SoeMac  
Neil Stentiford,  
neils@soemac.com  
SoeMSoeMac is an alternative health therapy which can help you to breathe and sleep better. It works by drawing air inside, and producing a bio-usable form of energised oxygen, known as Singlet Oxygen Energy, or SOE. This can help your body to carry out essential restorative work whilst you sleep at night, boosting the effectiveness of your nighttime detoxification and bodily repair functionsac is an alternative health therapy which can help you to breathe and sleep better.



**Spyras**  
https://www.spyras.com/ | @BreatheSpyras  
George Winfield, CEO  
george@spyras.com  
Spyras uses paper-based sensors to monitor breathing rates, volumes and gases on patient's breath in order to provide more detailed information to clinicians about their patients health. Detecting life-threatening conditions on patient's breath.



**Synap**  
https://synap.ac/ | @synap  
Manisha Prabhakar, Education Manager  
manisha@synap.ac  
Synap makes it easy for your team to learn through micro learning, break down training into short, easily-digestible sessions, tailored to individual strengths and weaknesses. Users can engage with content any time, and on any device.



**Tecminho Uminho**  
tecminho.uminho.pt/ | @tecminho  
Lisete Neves,  
lneves@tecminho.uminho.pt  
The University of Minho is a reference regarding high-quality education and learning, not only in a Portuguese context, but also on a European and global scale. As a pioneer in many areas of education, training and research, the University of Minho shows a great capacity to deliver change.



**Thrive Wearables**  
https://www.thrivewearables.com/ | @ThriveWearables  
Jacob Skinner,  
teodora@thrivewearables.com  
Thrive Wearables is the leading wearables design and development consultancy, creating wearables from idea to mass production. We believe in a healthy, sustainable and hyper connected world, where modern technology brings people together, improves communication and adds real value to people's lives.



**Transformative AI**  
http://transformative.ai/ | @tfm\_AI  
Bunsi Keshav,  
keshav@transformative.ai  
We think a revolution in healthcare is coming. By using cutting-edge artificial intelligence and novel analysis techniques employed at CERN, we are transforming the treatment of serious medical conditions. Our mission is to collect and translate clinical data into real-time, predictive assessments that guide the actions of patients and healthcare providers.



**TabCare**  
https://www.tab.care | @Tab\_Care  
Vasu Sarin, Founder and CEO  
vasu@tab.care  
TabCare provides discrete digital panic buttons that work anywhere. **Ucontrolhealth**  
mevolvehealth.com | Diane Lanigan, CEO  
dianigan@mevolvehealth.com  
Mevolve Health is on a mission to provide anyone with addictive behaviour issues access to mobile apps that can help them retrain their brain and take control of "habits that harm".For users our apps are developed by expert clinicians and are clinically proven to work.



**WYSA**  
https://www.wysa.io/ | @wysabuddy  
Emma Selby,  
emma@wysa.ai  
Wysa, developed by Touchkin, is redefining emotional wellness by pioneering AI-driven empathic, compassionate conversations supported by human coaches. Sometimes we get all tangled up inside our heads, unable to move on. Wysa is great at helping you get unstuck.



**The Way Back VR**  
https://thewaybackvr.com/ | Neil  
neil@thewaybackvr.com  
The Wayback team is a small group of passionate and dedicated filmmakers, creatives and producers brought together by a shared desire to do something for a disease, which has affected us all in some way.



**Xenovida**  
https://xenovida.com/ | @XenoVidaHealth  
Christopher Ullman,  
christopher.ullman@xenovida.com  
At XenoVida our team of scientists, nutrition and behavioural experts have the technology, understanding and passion to empower individuals to take more control of their health. Whether for yourself, your dependants or your staff, having access to personalised health profiling which is based on science, with recommendations, expert advice and support is a health game-changer.



**Grovelands VIP Lounge (Zone)**  
https://grovelands.co.uk | @grovelands  
Christopher Hafner, Executive Director  
chris.hafner@grovelands.co.uk  
We are fundamentally changing the recruitment and consulting industries



**disruptive.live studio**  
https://www.disruptive.live | @disruptivelive



**Tech Data**

techdata.com | @Tech\_Data  
 Claire Saines | IBM and NetApp  
 Marketing Manager  
 claire.saines@techdata.com  
 Tech Data is one of the world's

largest technology distributors. We help companies like HP, Apple, Cisco, Microsoft — and hundreds of others — bring their products to market, and we offer a wide range of technical and business support services.



global innovation  
and new technology  
health event

**GIANT Health "Innovation Hub"**

www.GIANT.health  
 @GIANTHealthEvt

**GIANT Health 2020 Sales Desk**

www.GIANT.health  
 @GIANTHealthEvt

**GJE (IP Law firm)**

gje.com/ | @GJE\_llp  
 Evan Duncan |

Evan.Duncan@gje.com  
 Gill Jennings & Every is a leading intellectual property firm based in

London and Munich. We provide the ideal combination of legal, technical and commercial expertise to help turn your innovations, brands and designs into commercial success.

**Ascensia Diabetes Care**

ascensia.com/ | @contourascensia  
 Joe Delahunty | VP, Global Head of Communications

joseph.delahunty@ascensia.com  
 Ascensia Diabetes Care is a global

company dedicated to improving the health and lives of people with diabetes. Already including the world-renowned CONTOUR™ range of blood glucose monitoring systems, we are committed to adding more innovative and life-changing products to our portfolio.

**Barclays Eagle Labs**

barclays.com | @eagle\_labs  
 Jennifer Estherby | Healthcare Innovation Lead at Barclays Wealth and Investment Management

jennifer.estherby@barclays.com

Our national network of Eagle Labs supports individuals, businesses and corporates innovate and grow, across a broad range of different sectors and with varied capabilities. By leveraging local specialisms and introducing structured programming, Eagle Labs are helping drive innovation and transformation across industry sectors, through collaborations with industry leading corporates, universities and start ups.

**Warrington Robotics**

https://www.servicerobots.com  
 @ServiceRobotsUK

Amy Stanton | Administration Assistant  
 amy@servicerobots.com

Servicerobots.com provides affordable and flexible rental service of hospitality robots.

**dotHealth**

https://www.dothhealth.ca | @DotHealth

Linda Koritkoski | VP Marketing  
 linda@get.health

When patients have insights into their health, they can make more informed decisions which leads to better health outcomes. So Dot Health was born, because we believe there's a better way, one that empowers patients with the necessary information to make the best decisions they can about their health.

**AMA Expert EYE**

https://www.amaxperteye.com/us  
 @amaxperteyeinc

Etienne Guillemot | MD  
 etienne.guillemot@amaxperteye.co.uk

AMA supplies future-proof and complete solutions that will optimize your work methods and let you enter the fourth industrial revolution. Collaborate efficiently with XpertEye an augmented assisted reality solution.

**Equivital**

equivital.com/ | @Equivital

Jasmin Woodward | Product Marketing and Communications Assistant

jasmin.woodward@equivital.com

Equivital develops professional wearable tech products which contribute to achieving the vision of providing accurate and precise real-time mobile human data to keep healthy people healthy.

**Nobel Project**

https://nobel-project.eu  
 @NOBEL\_Project  
 Alexandre Superville | Assistant Project Manager  
 superville@nobel-project.eu, From

precision engineering to smart connected HealthTech and from academic research to the clinic | NOBEL is creating an European HealthTech ecosystem for the convergence of nanomedicine with photonics robotics | biomaterials digital health and textile.

**FAB**

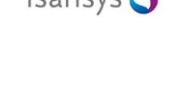
https://fabnhsstuff.net/ | @FabNHSStuff

Roy Lilley | royilley@roylilley.co.uk

A social movement for sharing Health & Social Care Ideas, services and solutions that work

**Isansys**

https://www.isansys.com  
 @isansys

**Guardian Jobs**

https://jobs.theguardian.com/ | @GuardianJobs

Steven Norris | Client Partner at Guardian News & Media

steven.norris@guardian.co.uk

Guardian Jobs brings you quality jobs from the best recruiters in the UK and beyond. We have the jobs for quality candidates like you.

**Health Foundry**

healthfoundry.org  
 @health\_foundry

Nicky Johnston | Programmes Manager & Interim General Manager  
 nicky@healthfoundry.org

Health Foundry is a collaborative, community driven co-working space set up by Guy's and St. Thomas' Charity to help start-ups who are working to improve health and wellbeing.

**InterSystems**

intersystems.com | @InterSystemsUK

Alison Brattle | Marketing Programmes Manager  
 alison.brattle@intersystems.com

There are applications that simply cannot stop working. They support the activities of healthcare institutions and government bodies, and contribute to the development of business companies. Health, prosperity, well-being of society - this is what really matters. Our customers work on this every day. And this makes our software technology possible.

**digi.me**

https://digi.me/ | @digime

Dan Bayley | dan@digi.me

What is digi.me? A new ethical and sustainable way for individuals to take control of their data and privately share with data-driven apps and services

**NIHR / LGC Ltd**

https://www.nihr.ac.uk/ | @NIHRresearch

Jelena Polayeva | BDM  
 mandy.johnson@nihr.ac.uk

We are the nation's largest funder of health and care research and provide the people, facilities and technology that enables research to thrive. Working in partnership with the NHS, universities, local government, other research funders, patients and the public, we deliver and enable world-class research that transforms people's lives, promotes economic growth and advances science.

**Computer Assistance**

http://computerassistance.co.uk/ | @ca\_oxford

Alinery Lianhawng | IT Strategy Manager

alinery@computerassistance.co.uk  
 Computer Assistance is one of the largest independent computer support companies in Oxford. Unlike other ICT support companies in Oxford, we support both home and business customers with advice from viruses and hardware issues to Servers and Infrastructure design.

**Oxitone Medical Ltd**

https://www.oxitone.com/ | @OxitoneMedical

Werner Stipp | n/a  
 werner.stipp@oxitone.com

Oxitone gives you, your care team and loved ones the insights to track and manage disease, to identify issues for early intervention and to avoid hospitalizations.

**Granted Consultancy Ltd.**

https://grantedltd.co.uk

@grantedltd  
 Lauren Daubney, Marketing Manager

laurend@grantedltd.co.uk  
 Granted Consultancy specialises in

unlocking non-dilutive funding for innovative companies.

**Genomics England**

https://www.genomicsengland.co.uk/ | @GenomicsEngland

Carl Smith | carl.smith@genomicsengland.co.uk

Genomics England, with the consent of participants and the support of the public, is creating a lasting legacy for patients, the NHS and the UK economy, through the sequencing of 100,000 genomes.

**Orcha**

orcha.co.uk/ | @OrchaUK

Billie Kerr  
 billie.kerr@orcha.co.uk

ORCHA is the World's leading health app evaluation and advisor organisation. We help governments, health and social care organisations to choose and deliver health apps that will safely make the biggest impact in terms of improving outcomes. Our tools help health professionals to prescribe and monitor usage of health apps. They're proven to increase take-up and self-management of conditions.

**Encelo Labs**

https://www.encelo.co.uk/ | @EnceloLabs

Katia Nazmutdinova | katia@encelolabs.com

Encelo Laboratories - Universal access to primary cells Fuelling the onset of personalised medicine with our cell isolation tools. Our tools allows researchers, in academia and industry, non-invasive, on-demand and remote access to an individual's cells, at an unprecedented scale.

**ConcR**

https://www.concr.co/ | Matthew Griffith |

matthew@concr.co

ConcR is an emerging predictive software platform built to combat cancer. ConcR combines cutting edge machine learning techniques with deep scientific understanding of tumour progression to accurately predict cancers evolution in response to treatment. This will enable clinicians to adapt treatments proactively, rather than reactively, to prevent treatment resistance and improve treatment efficacy through precision medicine.

**Motilent**

https://www.motilent.co.uk/ | Alex Menys |

alex.menys@motilent.co.uk

Motilent is a technology start-up focused on delivering innovative services for the quantitative investigation of the gut. Motilent champions the use of novel MRI post-processing software as a cheaper and safer biomarker for Gastrointestinal and Bowel Disorders, providing quantitative end points for research, drug development and clinical decision-making.

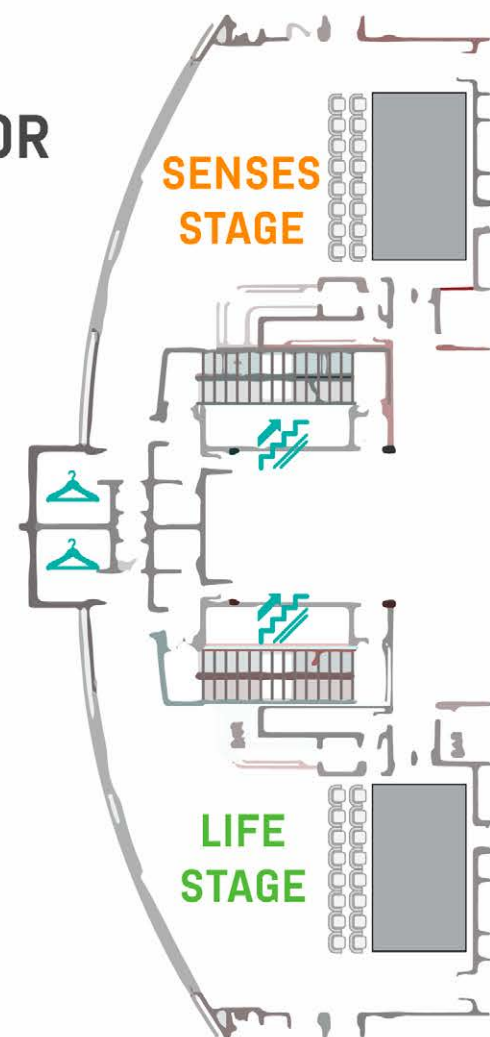
**Hertility Health**

https://www.hertilityhealth.com/ | @hertilityhealth

Natalie Getreu | natalie@hertilityhealth.com

At Hertility Health we want to make you proactive, not reactive about your reproductive health. We have created a simple at-home blood test based on your individual data to help map out your biology. This bespoke finger-prick test can be done from the comfort of your couch and will help you figure out your norm and signpost anything out of the ordinary.

2<sup>ND</sup> FLOOR



MULTISENSORY HUB

TECH DATA

LIFT & STAIRS  
TO ALL FLOORS

GIANT HALL

MAIN STAGE

DISRUPTIVE.LIVE  
TV STUDIO

FOOTBALL  
PITCH

NETWORKING  
& LUNCH ZONE

FAB

GREAT BRITISH  
HEALTH TECH HUB

GIANT HEALTH  
NETWORKING ZONE

GROVELANDS VIP  
SPEAKERS LOUNGE

MEDIA/ PRESS ROOM

HEALTH INFORMATION  
SYSTEMS HUB  
AND **EXPO STAGE**

HEALTH  
FOUNDRY ZONE

NETWORKING  
& LUNCH ZONE

**FRESH STAGE**

**FRESH HALL**

REGISTRATION

**EVENT  
ENTRANCE/EXIT**

**REVOLUTION  
STAGE**

4<sup>TH</sup> FLOOR

**INFLECTION  
STAGE**





# SEE YOU NEXT DECADE

None of us know what the 2020s will hold. However, it's clear that the only way to solve the great problems in health affordably will be with technology. And we know that science will lead us to prevent, detect, diagnose and treat disease in amazing new ways.

In 2010, Harvard Business Review named 10 things that would transform medicine this past decade. Developments on all of them have been part of GIANT this year.

We want to make sure you're plugged into the the great innovators, experts and business minds in the health sector by being part of GIANT throughout next year.

## Giant 20 TWENTY

### One thing is for certain

Book your ticket for GIANT 2020

Tue 10, Wed 11 Nov, London

for only **£49**

if you book by the end of October.

Visit [www.GIANT.health/tickets](http://www.GIANT.health/tickets) today

Not only does GIANT showcase the best in HealthTech innovation, we aim to be a platform where health businesses can innovate too, to inspire, collaborate and accelerate towards better health outcomes with our diverse and passionate ecosystem.

#### Here's how:

Partner with us to produce your own show at GIANT 2020 or work with each other throughout the year.

Call our CEO Barry:  
+44 7776 132 517  
B@GIANT.health  
@Barry\_HealthTec

How could you capture the imagination of your audience with an exhibition?

Call Manuel:  
+44 7763 860 249  
manuel@GIANT.health

Learn about the freshest health technologies and businesses to work with or to invest in

Encounter amazing, influential people rarely found together elsewhere to Partner and grow

Gain insight to achieve impact at scale and support to take you there



#### A SPECIAL THANKS TO OUR PHENOMENAL SUPPORTERS:

