

#21toWatch

people, companies and the 'things' they create, across Cambridge and the East of England, are setting the standards in innovation and entrepreneurship across the globe.

#21toWatch is a dedicated campaign to showcase and highlight the lesser known but outstanding talent within our region's science and tech industries, recognising those exciting new entries across all market sectors, and celebrating the truly ground-breaking work going on here today.

with such diversity and ingenuity amongst the #21toWatch cohort, nominations are assessed according to five strict criteria: Innovation, Challenge, Influence, Viability and Memorability, and additionally researched via third party platforms such as Companies House, PitchBook, and Crunchbase.

for details of the full programme and to view the lists, please go to **www.cofinitive.com/21toWatch**

cofinitive
communications

SPONSORS

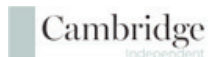
each year we are proud to be supported by sponsors and partners that are an integral part of this exciting ecosystem. for 2024, our sponsors and partners are:



SPONSORS



PARTNERS



as #21toWatch is a year-long campaign, our sponsors and partners benefit from exposure not just at the announcement event but also during each annual sponsorship period. sponsorship for the 2024/2025 programme will commence in September 2024.

success, innovation and turnover are nothing without people. behind the figures are bright, original and creative individuals who accelerate the pace of change, pushing both technology and industry to constantly evolve. these are the creative individuals in the #21toWatch Top21.2024:



Ahmed Waraky

Dr. Ahmed Waraky, a Postdoctoral Research Fellow at the Cambridge Stem Cell Institute and Co-founder of K-Stem, is directing research that focuses on machine learning and single-cell omics to advance stem cell transplantation and personalised medicine



Alicia Showering

Dr Alicia Showering is a scientist and the founder of BugBiome, which pioneers sustainable pest control solutions through harnessing the microbiome. She has been recognised with a Young Innovator award from Innovate UK and recently closed a pre-seed round

 @AliciaShowering @BugBiome



Bakul Gupta

Bakul is Co-founder and CEO of Deliver Biosciences, developing nanoparticle delivery vectors for targeted and specific delivery of payloads to re-programme cells in vivo, curing fatal diseases in a fraction of the time and cost compared to existing curative therapies

 @DeliverBio



Jack Chengzhi Guo

Jack's venture with Professor Erwin Reisner promises a new way to treat waste plastics. Based on interdisciplinary research at the University of Cambridge, their technology turns waste plastics into green hydrogen and valuable organics



Mark Golab

Mark is an award-winning design engineer and Co-founder of Cambridge Surgical Models, a MedTech start-up developing the next generation of artificial anatomical models for surgical training

 @MarkGolab



Nadia Radzman

Nadia is a plant biologist working on rehabilitating forgotten legumes back into the food system and is a Co-founder of a startup that accelerates genetic improvements in challenging legume crops



Paolo Bombelli

Paolo and colleagues pioneered the development of a technology capable to generate electricity from the microbial photosynthesis. This novel technology can substitute portable batteries for powering billions of small electronic devices



COMPANIES

MUST MEET

this list represents the #21toWatch Top21.2024 inspiring companies across Cambridge and the East of England that are on the way to being industry leaders locally, nationally and globally:



BeyondMath is using AI to solve the complex simulation of physics in engineering design orders of magnitude faster, providing reductions in time, cost and environmental impact when taking designs to production

Speaker: Alan Patterson, Co-founder

✕ @alan_patterson
@BeyondMathLtd



Early, accurate detection. It is Cambridge Vision Technology's mission to make the timely and accurate detection of Alzheimer's Disease available to everyone

Speaker: Meredith Bird,
Business Strategy Lead

✕ @QuantumKuano



Cellexcel provides the key to unlock the use of biomaterials and radically change industry's

carbon footprint. It does this through molecular modification of biomaterials to enhance their essential performance properties

Speaker: Steven Curtis, COO



ExpressionEdits' proprietary intronization platform recodes transgenes to better resemble natural genes, leading to significant improvement in protein production – a key challenge for recombinant proteins and DNA medicines

Speaker: Kärt Tomberg,
Co-founder & CEO

✕ @expressionedits



Kuano combines state-of-the-art simulation and AI to add quantum detail to structure-based drug discovery, helping to enable the design of next generation medicines

Speaker: Vid Stojevic, CEO

✕ @QuantumKuano



Remedium Energy are developing a new carbon capture technology, carbon capture battery, that captures CO2 from cement/steel plants and monetizes the variation in electricity price to make carbon capture profitable

Speaker: Mohammad Saghaifar,
Co-founder & CEO



Vector is a machine-learning enabled, drug delivery platform focused on oncology, facilitating novel treatments that are currently undruggable. We increase high local concentrations, minimise side effects, and allow room temperature storage of sensible cargoes

Speaker: Lluna Gallego,
Co-founder & COO

✕ @VectorBioCam



we marvel at the products that people and companies create. in this category, we celebrate the invention, product or development – the ‘thing’ – in their field of expertise that has made them secure a place on the #21toWatch Top21.2024:



Antler | bio

Antler Bio's new platform, EPIHERD, is harnessing gene expression data and AI to evaluate the status of livestock and prescribe targeted husbandry interventions to increase performance, efficiency, welfare and sustainability

Speaker: Dr Andrew Lessey, COO

✕ @AntlerBio



Autopickr's flagship innovation is 'Gus,' a fully automated asparagus harvester. Gus incorporates cutting-edge AI and navigation technologies, robust robotics, and new cutting technology to optimise the harvesting process

Speaker: Robyn Sands,

Co-founder & CEO



Heartfelt Technologies are the future of heart failure telemonitoring: An automatic, AI supported, non-contact telemonitoring solution for heart failure patients

Speaker: Shamus Husheer, CEO

✕ @heartfelttech

Molyon

Molyon has developed a new cathode material to enable high energy-density and long-life lithium-sulfur batteries. This opens up fundamentally new modes of transport and facilitates the net-zero transition

Speaker: Dr Ismail Sami, CEO



Tenyks is inventing the way humanity interacts with AI to protect and delight. To protect the world from the misuse of AI, but also to ensure that AI is developed with passion, excitement, and joy

Speaker: Dmitry Kazhdan, CTO

verinnogen

Verinnogen serves the global need of more accurate and reliable pre-clinical tumour measurements by digitising physical 3D profiles using its novel pin profiling technology, expediting clinical translation and saving lives

Speaker: Isaac Johnson, CEO,

Co-founder & Director



Developed an innovative point-of-care test with integrated blood-collection which simplifies the identification of various micronutrient deficiencies. With just a push of a button, William Oak Diagnostics are making maternal, child, and infant testing more accessible

Speaker: Alex Patto,

Co-founder & CEO

✕ @apatto_1

JUDGES

the Top21.2024 were selected by an independent panel. our judges rotate each year, and for 2024, were:



Jon Bradford

Jon Bradford, Managing Partner at Dynamo Ventures; experienced early-stage investor, founder of multiple accelerators globally, including the first outside of the US



Fiona Nielsen

CEO of Neurolentech GmbH; serial entrepreneur in life sciences; mentor and advisor to science and technology startups in Cambridge



Nitin Patel

CEO and founder, Impact Management Consultancy; Mentor at Cambridge Judge Business School

2024/ 2025 PROGRAMME

the companies, people and 'things' that appear on the annual lists (longlist, shortlist and Top21) have gone on to achieve great things, including enhanced promotions, additional investment, new clients and a variety of other opportunities. our programme supporters also view the cofinitive #21toWatch campaign as a key part of their outreach as they support new ventures and opportunities.

- do you know someone who should be on this list?
- is there a company doing great things that should be recognised?
- is there an invention that is going to have a huge impact on the world?

if yes, why don't you nominate them! nominations are open all year round

NOMINATE

<https://www.cofinitive.com/21towatch/nominate>

cofinitive communications

cofinitive is a multi-award-winning PR & Communications agency prioritising early-stage technology startups and scaleups, and delivering impactful communications for companies poised to make a difference in the world.

we are delighted to rank as the #1 technology PR & Communications company in our region - a position we have held for the last four consecutive years (2024, 2023, 2022, 2021).

we are equally proud to be the only Cambridge-based agency featured in PR Week's elite 'Top 150 Agencies Outside London' listings.

we work with clients locally, nationally and globally with a remit which includes strategy, marketing, brand development/refresh, website design and integrated communications.

our clients benefit from resulting coverage in prominent broadcast and print media such as BBC Breakfast, BBC Click, Channel4 News, Bloomberg, The Times, The Independent, Cambridge Independent, Business Weekly and The Engineer.

whatever we are working on, we are known for our integrity, our sky-high standards, and for following our ethical convictions even when no one is watching.

for more information, please visit **www.cofinitive.com**