

MEDIA RELEASE**Biotech startup from the United States, Quantumcyte, crowned
grand winner at SLINGSHOT 2021**

*12 startups win prizes in the areas of Sustainability, Health & Wellness, Smart
Cities and Digital Technologies*

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1. **Quantumcyte** emerged as the winner of the grand prize at the finals of SLINGSHOT 2021 today, organised by Enterprise Singapore (ESG). The biotech startup from the United States stood out for its Artificial Intelligence (AI)-integrated solution that provides more accurate test results for cancer patients, which allow for better assessment of treatment options for the patients. It takes home a S\$250,000 Startup SG grant, and 18 months of rent-free space at JTC Launchpad. In total, there were **12 Sector Winners** across i) Sustainability, ii) Health & Wellness, iii) Smart Cities, and iv) Digital Technologies that also received a S\$50,000 Startup SG grant each. In all, more than S\$1.1 million worth of grants and prizes were awarded.
2. This fifth edition of SLINGSHOT saw over 4,500 applications from more than 150 markets, including leading startup hubs such as Singapore, Canada, China, Germany, the United Kingdom, and the United States, as well as emerging markets such as Costa Rica, Latvia, and Vietnam. Participants pitched to nearly 400 judges comprising global investors and corporates in Asia. Global startups that win the competition are expected to establish a presence in Singapore. SLINGSHOT, powered by Startup SG, is ESG's marquee startup pitching competition that provides startups with an international platform to profile themselves to corporates, industry veterans and investors.

Sector winners

3. The 12 Sector Winners are:
 - i) Sustainability: Allozymes Pte Ltd (Singapore), Source Global (United States), SunGreenH2 (Singapore);

- ii) Health & Wellness: Biorithm (Singapore), Braingrade (United States), Quantumcyte (United States);
- iii) Smart Cities: Datakrew (Singapore), viAct (Hong Kong), Vixsystem (Brazil);
- iv) Digital Technologies: ReverseAds (Thailand), TransSiP (United States), VisualCamp (South Korea).

Startups continue to gain collaboration and networking opportunities at SLINGSHOT

4. SLINGSHOT startups continue to benefit from a range of business, investment and mentorship opportunities during their entrepreneurship journey, which is critical in enabling them to grow and scale beyond the competition. Prior to the finals, the Top 1,000 Startups participated in a three-day workshop where they networked with 16 major corporates such as Givaudan, Hyundai, and Philips to explore co-innovation partnerships. The Top 100 Startups also attended another three-day preparatory workshop where they received mentorship from local and international startup enablers to help them refine their pitches and business strategies. This concluded with a deal making session with nearly 50 global investors.
5. Judges for the three-day finals included renowned international players from venture firms such as Asia Partners, Lightstone Ventures, Openspace Ventures, Vertex Ventures and Wavemaker Partners, as well as corporates such as Schneider Electric, Unilever, and ST Engineering.
6. Said Mr Peter Ong, Chairman, Enterprise Singapore, who was a judge at the grand finals and gave out the prizes today, “SLINGSHOT has emerged as a highly competitive startup competition with global reach, adding to the vibrancy of the ecosystem in Singapore. These participating startups provide innovative technologies and solutions that can mitigate and solve pressing industry and societal challenges, be it in climate change, food resilience or healthcare. They will be a boost to collaborative opportunities with other participants in the Singapore ecosystem.”
7. As a result of the resources provided and connections forged through the SLINGSHOT competition, past winners such as 2020 first runner-up GyroGear¹ have seen good progress in the development of their solutions and fundraising efforts through Singapore. GyroGear raised US\$4.3 million in Phase One of its seed funding round this year led by Foxconn. 2019 Grand Winner Us2.ai had a similar trajectory,

¹ GyroGear is a UK neuromuscular medical device company. Its key product, GyroGlove, helps to curb hand tremors and increase hand stability, bringing relief to those with Parkinson’s Disease or Essential Tremors.

going on to successfully fundraise and be named to the 2021 Forbes Asia 100 to Watch list. 2017 winner Sophie's BioNutrients went on to win Temasek's 2019 Liveability Challenge and is now expanding its presence to the Netherlands.

8. The Corporate Challenge last year saw a pilot co-innovation project between Cargill and STIMSHOP², which uses ultrasound proximity technology and Low Power Wide Area Networks (LPWAN) to record interaction statistics of Cargill's workers, and ensure safe distancing between them. The solution will be tested at Cargill's sites in Singapore and Indonesia. Rolls-Royce is also piloting a project with Noodle Factory³, to use the latter's AI-powered solution to automatically tag unstructured data⁴ within Rolls-Royce. This would help create a knowledge base that employees can access easily using conversational AI.
9. The competition took place virtually as part of the Singapore Week of Innovation and TeCHnology (SWITCH). For more information, please visit www.startupsg.gov.sg/events/slingshot/2021. Please refer [here](#) for the list of sponsors.

ANNEX 1: Profiles of Slingshot 2021 winners
Photos at SLINGSHOT 2021: [link](#)

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For media enquiries, please contact:

² STIMSHOP is a French startup with presence in France and Singapore. The startup leverages ultrasound and wireless technology to develop solutions in wireless communications, security, mobile interactions, and physical distancing.

³ Noodle Factory is a Singapore-based startup that provides a conversational AI platform that uses natural language processing to automate content curation into conversations, quizzes and learning content, enabling instant learner engagement and helping educators work faster and smarter.

⁴ Refers to information that either does not have a pre-defined data model or is not organised in a pre-defined manner, such as text files, images and video files.

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About Enterprise Singapore

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We also support the growth of Singapore as a hub for global trading and startups, and build trust in Singapore's products and services through quality and standards.

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PROFILES OF SLINGSHOT 2021 WINNERS

S/N	PRIZE	Winner write-up
1.	SLINGSHOT 2021 Grand Winner Sector Winner – Health and Wellness	<p><u>Quantumcyte (United States)</u></p> <p>About 25% of cancer patients do not receive the data they need for conclusive treatment options that may be lifesaving. Quantumcyte leverages AI digital pathology to molecular analysis, bringing modern pathology to the clinic. Its platform annotates, enriches and extracts molecular material (DNA, RNA, proteins) directly from targeted regions of interest (cancer cells), delivering high accuracy results and insights.</p> <p>This data enables downstream applications from genomics, next-generation sequencing (NGS) to personalised patient treatment options, all of which are designed to yield better patient outcomes. Quantumcyte's platform is clinical-meeting ready and endorsed in both clinical and research markets. Formed to materially disrupt the pathology market globally, Quantumcyte Inc., which was founded in Silicon Valley, plans to expand its presence in Asia, starting with its first office in Singapore.</p>
2.	Sector Winner – Sustainability	<p><u>Allozymes (Singapore)</u></p> <p>Allozymes applies its proprietary microfluidic technology to build the Google of the Enzymes by generating 10M enzyme variants data set per day. Its interdisciplinary innovation enables 10x faster custom-designed enzyme engineering with a 200X higher chance of success compared to robotics, which shortens time-to-market tremendously and enables breakthrough development in a wide range of industries. Currently, it focuses on the cleaner and sustainable manufacturing of complex natural products that are hardly extracted and require a lot of resources such as water, nutrition and land. Allozymes' first product is a tomato extract – it produces this without using any tomato, by copying and pasting the tomato enzymes in its bioreactor. Traditionally, 10 tonnes of tomatoes are needed to achieve 3KG of this extract.</p>
3.	Sector Winner – Sustainability	<p><u>SOURCE Global (United States)</u></p>

		<p>SOURCE Global's business is about solving water access, quality, and security issues.</p> <p>It designed the SOURCE® Hydropanel to help meet the drinking water needs of more than seven billion people worldwide. Applying thermodynamics, materials science, and control technology, its Hydropanel needs only sunlight and air to produce perfect drinking water for schools, homes, worksites, communities, and more.</p> <p>The full-scale deployment in Singapore could allow replacement of plastic bottles in most F&B outlets (hotels, restaurants, entertainment venues), putting Singapore at the forefront of sustainable Business and Tourism Travel.</p>
4.	Sector Winner – Sustainability	<p><u>SunGreenH2 (Singapore)</u></p> <p>SunGreenH2 uses nanotechnology and advanced materials to create the world's highest performance electrolyzers for green hydrogen production at a low cost on-site for industries, transport and energy storage.</p> <p>Its proprietary technology is a result of over 10 years of electrochemistry and nanotechnology research. Compared to the existing technology, it achieves 2x of production at 10% lower energy consumption, which reduces stack cost and footprint by 50%. SunGreenH2 uses sustainable, low cost, earth abundant materials to replace expensive platinum group metals in electrolyzers.</p>
5.	Sector Winner – Health and Wellness	<p><u>Biorithm (Singapore)</u></p> <p>Founded by doctors and engineers, Biorithm is the next generation of integrated maternity care solutions that brings high-quality, accessible & personalised care to every mother and baby.</p> <p>With the increasing number of at-risk pregnancies globally (10-20% of pregnancies) and the limitation of the care delivery system, it becomes urgent to find a scalable solution that addresses technology, cost & care delivery challenges to prevent poor perinatal outcomes.</p> <p>Forging new frontiers in pregnancy care, Biorithm has developed Femom, a comprehensive remote monitoring suite for obstetrics care. Femom is a turnkey and modular virtual maternity care solution enabling the digitalisation of existing antenatal and postnatal protocols. It allows the care team to deliver risk-specific care to pregnant</p>

		<p>mothers in the comfort of their home through a patient mobile app and an array of connected monitoring devices, including its proprietary home use ECG-based foetal and maternal monitor.</p> <p>Femom provides mothers with a safe and convenient way to assess quality care from the comfort of home and equips clinicians with the ability to detect early warning signs of maternal-foetal distress before they become emergencies while bringing efficiency in maternity operation.</p>
6.	Sector Winner – Health and Wellness	<p><u>Braingrade (United States)</u></p> <p>Alzheimer's Disease is the most expensive disease in the United States, affecting 44 million people worldwide, and the number is expected to triple over the next 30 years.</p> <p>Braingrade is developing an implantable neurostimulator to treat Alzheimer's disease. It works by detecting the abnormal brain activity associated with Alzheimer's disease and stimulating to correct it, restoring memory function and allowing patients to remain independent longer.</p> <p>The team is made up of founding members of Neuralink (Elon Musk's neurotech company) and Paradromics (the largest neural recording to date), with former executives from Blackrock Microsystems (the gold standard for implantable brain-computer interfacing) and a board of memory scientists, neurologists and functional neurosurgeons.</p>
7.	Sector Winner – Smart Cities	<p><u>Datakrew (Singapore)</u></p> <p>Datakrew is an innovative deep technology startup with strong roots in IoT, AI & data security. It is building a horizontal no-code IoT platform with the tools for companies to develop, deploy and manage omnichannel enterprise IoT solutions rapidly i.e., within 48 hours. Secure and robust IoT solutions built on the platform have been deployed in multiple sectors – such as Water, Energy, Manufacturing, Maritime, Buildings, Transportation, etc. Datakrew is founded by industry veterans and PhD domain experts and is a spin-off from NTU Singapore. It is backed by leading VCs, and supported by Enterprise Singapore, NTUitive, Ecolabs, Ripple2Wave, ICE71, SWA, PUB SgWX.</p>
8.	Sector Winner –	<u>viAct (Hong Kong)</u>

	Smart Cities	<p>viAct AI monitoring cloud automates construction monitoring at job sites to improve safety, productivity and the environment. It is the first Industry-grade AI cloud platform in Asia with more than 50 deployments across Asia. Its proprietary AI modules support more than 30 pre-built AI detection modules, which allows construction companies to deploy its solution simply and quickly. The AI cloud supports flexible changes in camera, duration and AI module interchange, which is suited to dynamic construction environments.</p>
9.	Sector Winner – Smart Cities	<p><u>Vixsystem (Brazil)</u></p> <p>Vixsystem focuses on creating assistive technologies that can increase the autonomy and freedom of mobility for people with disabilities.</p> <p>It values ethics, transparency, respect for the environment and others, in addition to innovation and social responsibility. It seeks to bring quality of life and dignity to people.</p> <p>The startup’s main product is Lysa Robot Guide Dog. With it, Vixsystem aims to bring autonomy to thousands of visually impaired people, achieve social inclusion and enable companies to offer a differentiated service.</p>
10.	Sector Winner – Digital Technologies	<p><u>ReverseAds (Thailand)</u></p> <p>ReverseAds is an evolution of keyword advertising built to roadmap the entire buyer’s journey post-search. It allows brands to be where the buyer is, until they purchase at a fraction of the cost of search advertising.</p> <p>It empowers businesses to diversify their budgets and truly deliver across the entire roadmap “below the surface” level of search.</p> <p>Brands using ReverseAds outperform search advertising by 3:1 in total cost per acquisition. By finding each customer and plotting their non-linear path to purchase, ReverseAds allows advertising to be targeted at customers when they go online, raising the chances of conversion.</p>
11.	Sector Winner – Digital Technologies	<p><u>TransSiP (United States)</u></p>

		<p>TransSiP capitalises on 110 years of experience to solve a long-felt and unsolved need for the electronics industry - Noise. Its breakthrough discovery of a new noise in noise, termed as Switching Noise Jitter, or SNJ, enabled a paradigm shift in integrated power management devices, marketed as TransSiP PI.</p> <p>TransSiP PI products consistently advance customer experience to reach exciting levels of battery life, signal clarity, accuracy, and reliability. With proven track records in enhancing the performance of GPS and optical heart rate monitors, its applications are extending to the vast applications of connected IoT, medical devices, AI, and 5G.</p> <p>With more than a million devices shipped, TransSiP PI's footprint is expanding globally and extending from consumer electronics to professional systems. It currently has an established customer in Switzerland and are in discussions with other brand names.</p>
12.	Sector Winner – Digital Technologies	<p><u>VisualCamp (South Korea)</u></p> <p>VisualCamp, winner of the 2021 GLOMO Award, provides an eye tracking software, called SeeSo, which lets customers understand users while providing them with eye control on virtually any device without extra hardware. With SeeSo, customers can understand user engagement, increase conversions, and gain insights like drowsiness on end users.</p> <p>SeeSo is primarily being used in education, e-readers, and digital healthcare in South Korea. It is currently being tested for VODs in the United States. VisualCamp is headquartered in South Korea with offices in Silicon Valley and China.</p>