

**Dorothea Koh, Bot MD, Singapore** [www.botmd.io](http://www.botmd.io)

Bot MD is the "Google Assistant" for busy healthcare professionals. The A.I. can be quickly trained on any hospital or clinical content to instantly answer doctor and frontline medical staff questions. Clinical content can come from any authoritative source such as hospitals, medical associations or even the local Ministry of Health.

With our partner hospitals and governments, we train Bot MD on hospital or Ministry of Health specific content such the latest COVID-19 protocols or operational directives or even pandemic team call rosters. Whenever clinical staff need an answer, they can just simply type a query to the Bot and it will instantly respond with the right answer.

Bot MD was founded by Dorothea Koh (CEO) and Yanchuan Sim (CTO) who both have a passion for impacting healthcare in large emerging markets in scalable ways. Dorothea has over 11+ years of operational experience in the healthcare industry having worked for several Fortune 500 companies like Baxter and Medtronic across multiple geographies like China, India, Indonesia and the Philippines. Yanchuan spent over 10+ years in Machine Learning and Natural Language Processing (NLP). The NLP technology behind Bot MD was built entirely from scratch by the team.

Ranked first, and awarded one place at Singularity University's Executive Programme

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**Trevor Costello, Aqua 21, UK** <https://www.aqua21.co.uk/help-save-lives/>

Aqua21 is a company devoted to a sustainable response to the growing pressure on the world's water resources. We aim to increase the use of sensing technology throughout water systems to deliver water safe, fit, and condition-tailored for its purpose. One of these purposes is, of course, the disinfection of the Covid 19 pathogen in strategic and vulnerable parts of society. On a wider front, we envisage water systems sensing, diagnosing and healing themselves using the unique capability of distributed ozonation techniques which our technology has now made possible.

Trevor Costello is one of the founding Directors of Aqua21 and is an engineer with deep experience in manufacturing and problem-response engineering. He is a strong supporter of putting science to use in the world as early as possible and as widely as possible. It is important that engineers never finish learning their trade. There is always something new to do and new problems to solve.

Ranked joint second

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## **Asiye Karakullukçu, AKSense, Turkey/ UK** [www.aksense.com](http://www.aksense.com)

Aksense is an early-stage startup company founded in 2017 and located in Turkey and London. Aksense has developed a novel quick blood test to help people suffering from infections, with testing these infections in one minute with a portable electronic biosensor without a lab or expert, saving lives, time, and money. Aksense consists of a group of experienced scientists and entrepreneurs innovating in the Biotech space. Aksense is currently supported by SOSV, and looking for investment to scale up the product.

Dr. Asiye Karakullukçu is a Turkish entrepreneur who founded Aksense, the first biotech company that is developing a digital portable biosensor for earlier and faster diagnosis of COVID-19 and healthcare-associated infections. She is a scientist and has over a decade of experience with infection diagnosis in hospitals. She has undertaken many types of medical research and published countless articles in international medical journals. She is one of the Royal Academy of Engineering Leaders of Innovation Fellows. She is leading the financial process at Aksense.

Ranked joint second

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## **Renan Serrano, Visto Bio, Brazil/ US** [www.visto.bio](http://www.visto.bio)

Visto.bio is a customer-centric startup that envisioned a path that offers a balance between people, clothes and planet. Visto.bio patented a deodorant for clothes, which protects against the development of microorganisms through many days in a row. It's natural, biodegradable and vegan, its use reduces the need for daily washing of clothes, prevents bad smells both in skin and clothes, increases clothes life-span and saves water.

Facing this pandemic challenge Visto.bio team upgraded the product to kill viruses as SARS-CoV-2, and after dry (in less than 1 minute), the protection remains active on the surface for at least 48h. Challenged with the scarcity of protective masks for health professionals, for every sale made, Visto.bio commits to donating another one to public hospitals. (Product For External Use Only)

After a career in international fashion brands, a Master Degree in Textile Engineering with Biochemistry, and MBA in Japan, Renan became Founder and CEO of the Visto.bio

Ranked fourth

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**Alberto Rizzoli, V7 Labs, Italy/ Sweden/ UK** <https://v7labs.com/darwin>

V7's CoronaNet project uses a novel AI approach to detect and measure the severity of COVID-19 cases via chest x-rays by isolating and normalizing lungs, bronchi, and the diaphragm area with AI, classifying them, and subsequently presenting clinicians with a similarity-ranked comparison of other cases found within a large dataset. This system has been developed with the assistance of the Spallanzani hospital in Rome, Sacco Hospital in Milan, and NHSx to develop a reliable labelled dataset and models. The final model, once validated by the NHS, will be made available for free, and part of the labelled dataset will be opened to the public for reproducibility and expanding on this research.

Alberto is an Italian-born entrepreneur and Co-Founder of V7, a European technology company pioneering artificial intelligence to develop human-like visual cognition. Alberto began working on AI with Simon Edwardsson in 2015 with the creation of the first engine capable of running large deep neural networks on smartphones. This technology led to Aipoly, a camera app that identifies thousands of objects in real-time to aid the blind and visually impaired, scanning over 2 billion objects to date and being translated in 26 languages. His work on AI granted him an award from the President of Italy as well as the Premio Gentile for Science and Innovation in 2017. Today, Alberto's work through V7 enables laboratories to understand complex scientific experiments in real-time, and allows any business to set up, train, and deploy modern artificial intelligence into any device from robotic manipulators to portable devices. V7's products won the CES Best of Innovation Award for two consecutive years, in 2017 and 2018.

Ranked fifth

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