Two startups with big solutions for saving energy and hospital time receive CHF 130,000 each
UniSieve and EBA Med win Venture Kick stage 3

How can one reduce carbon emissions from industrial production? Improving the efficiency of separation processes, such as the purification of gases and fluids, is one approach. Together, all these processes account for over 10% of worldwide energy consumption. Startup UniSieve of ETH Zurich has developed a patent-pending membrane technology, which allows cost- and energy-efficient separation of gases and fluids. It is based on an inventive way of integrating metal-organic frameworks (MOF) into polymeric membranes. This could revolutionize the separation market, slashing energy requirements by 90% and saving millions of tons of carbon a year. UniSieve now focusses on cleantech applications such as the optimization of the purification of propylene, the second most used chemical building stone worldwide, and the efficient preconcentration of energy gases.

Heart arrhythmias are disruptions in the normal heartbeat and affect around 15 million people in Europe and North America alone. As the population ages, this number is expected to double in the next 50 years. Today, heart arrhythmias are treated with an invasive manual surgery requiring several hours’ intervention via catheter from specialized staff, resulting in large costs. EBA Med now presents a solution that combines medical devices for proton therapy, motion tracking imaging and software to enable the treatment of patients in a non-invasive way, in a single out-patient session. This saves hospitals five times the time and three times the costs.

“We are grateful to Venture Kick for its intense pitching and Q&A sessions with competent jury members, its concrete and constructive Kicker Camps and its financial support,” says Adriano Garonna, co-founder of EBA Med. “The Venture Kick process has allowed us to ask the right questions and address them. We can only recommend it to other startups!”

Samuel Hess, CEO and co-founder of UniSieve, explains: “Venture Kick boosted the UniSieve business case development. The Venture Kick multistep program allowed us to set productive milestones and structure our company planning.”

UniSieve (ETH Zürich)
UniSieve is built on separation technology invented at ETH Zürich. Based on an inventive way of integrating metal-organic frameworks (MOFs) into polymeric membranes, its product is aimed at reducing energy consumption and costs in the separation industry. The startup is based in Zürich.
http://www.unisieve.com/

EBA Med
EBA Med aims to replace the invasive and time-consuming arrhythmia treatment with a non-invasive procedure that saves time and costs for the hospital. Its solution combines medical devices for proton therapy and heart motion tracking. The startup is based in Geneva.
http://www.eba-med.com/

Pictures and links
UniSieve, startup profile
EBA Med, startup profile
The philanthropic initiative Venture Kick provides up to CHF 130,000 to seed stage startups. In addition, it offers a well-structured entrepreneurial path towards building a winning business. Startups present in front of a jury at three different stages to obtain funding as well as direct feedback and access to an international network of successful entrepreneurs and investors.

Since 2007, 579 Swiss startup projects have received CHF 24.05 million from Venture Kick. This has resulted in more than 432 incorporated companies creating 4,748 jobs. Startup companies supported by Venture Kick have attracted CHF 1.808 billion from investors so far, and 57 startups from Venture Kick have made it into the TOP 100 Swiss Startups 2018.

In 2018, Venture Kick will pay out CHF 3.2 million to idea-stage startup projects to bring Swiss science to global markets. More information in the Venture Kick annual report.

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All startup projects supported by Venture Kick

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