

Press release

Artificial Intelligence for faster and more reliable radiological results

mediaire GmbH is developing innovative methods that help radiologists detect neurodegenerative diseases, such as Alzheimer's or Multiple Sclerosis, earlier and faster. The High-Tech Gründerfonds (HTGF), together with a group of private investors, is investing a large six-digit amount in the growth of this Berlin-based start-up.

Berlin / 9 April 2019

The goal of mediaire GmbH is to increase patient safety and facilitate everyday practice in radiology. Currently, a radiologist has on average only 3 seconds to analyze each image of a long series in order to come up with a diagnosis. This inevitably leads to a decreasing quality of the diagnosis due to excessive demand on the human doctor. In principle, machine learning could be employed to significantly improve this condition. However, obstacles such as the small amount of annotated data, the black box character of deep learning and the regulatory requirements for a medical device stand in the way of its widespread use. In addition, the respective software solution must be perfectly adapted to the radiologist's workflow and meet the strict legal requirements for secure handling of sensitive patient data.

This is where mediaire GmbH comes into play: Its fully automated software solution delivers precise examination results and diagnostic suggestions within a few minutes. This enables radiologists to use state-of-the-art technology to provide diagnostic support while the patient is still in the practice. To this end, mediaire uses deep learning methods for the detection and evaluation of biomarkers, specially designed to achieve high quality results with only a limited number of annotated data. Another unique feature is that mediaire's software solution is fully integrated into the IT system of the radiological practice and thus the patient data never leaves the practice.

Dr. Andreas Lemke, co-founder and CEO, is looking forward to the future: "With the successful certification as a medical device and the completed seed financing, some of the most important milestones were accomplished within one year. If we maintain this momentum, we can really succeed in sustainably shaping radiology."

Prof. Henrik Michaely, co-founder and user of mediaire's software products, is confident as well: "Thanks to mediaire's software md.Brain, brain volumetry is automated in the shortest possible time and I can discuss the results with the patient within the same appointment. I am very happy that we were able to achieve this goal together and look forward to what is yet to come."

"We were impressed by how mediaire has developed the software, md.brain, to support radiologists with complex issues in the evaluation of brain MRIs. Above all, the intuitive operation of the software in combination with the technical and medical expertise of the team and the clear market focus are valuable assets of mediaire. We are convinced that mediaire

will be able to revolutionize the market of AI supported diagnostics in radiology" explains Dr. Juri Bach, Investment Manager at HTGF.

Sebastian Burian, representative of a private investor consortium, adds: "We are excited to partner with mediaire and support the realisation of its vision to revolutionize radiology. This capital provides the company with a solid financial structure to make that happen. Mediaire has now the financial foundation to roll out its recently certified brain volumetry product to its clients and invest in new research and development simultaneously. We all look forward to making a positive difference for patients and radiologists."

About mediaire GmbH

Mediaire GmbH was founded in April 2018 in Berlin in order to sustainably improve the quality of radiological findings through the use of Artificial Intelligence (AI) and a customer-oriented range of services. The team, consisting of medical physicists, software developers and radiologists, fulfills the customer's needs for a completely local installation and the associated assurance of patient data protection. Further information can be found at www.mediaire.de.

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About High-Tech Gründerfonds

The seed investor High-Tech Gründerfonds (HTGF) finances technology start-ups with growth potential. With a total volume of 892.5 million euros distributed across three funds and an international network of partners, the HTGF has supported more than 520 start-ups since 2005. Its team of experienced investment managers and start-up experts supports the young companies with know-how, entrepreneurial spirit and passion. The focus is on high-tech start-ups in the software, media and internet sectors as well as hardware, automation, healthcare, chemistry and life sciences. To date, external investors have invested over 2 billion euros in the HTGF portfolio within around 1,400 subsequent financing rounds. In addition, the fund has successfully sold shares in more than 100 companies.

Investors in the public-private partnership include the German Federal Ministry of Economics and Technology, KfW, the Fraunhofer-Gesellschaft and the commercial enterprises ALTANA, BASF, Bayer, Boehringer Ingelheim, B.Braun, Robert Bosch, BÜFA, CEWE, Deutsche Post DHL, Dräger, Drillisch AG, EVONIK, EWE AG, Haniel, Hettich, Knaut, Körber, LANXESS, media + more venture Beteiligungs GmbH & Co. KG, PHOENIX CONTACT, Postbank, QIAGEN, RWE Generation

SE, SAP, Schufa, Schwarz Gruppe, STIHL, Thüga, Vector Informatik, WACKER and Wilh.
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