InnoHealth Tandem

InnoHealth USA 2021

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RESEARCH + SME

- Wearable Medical Devices
- Embedded Systems Development
- Signal Processing and Analysis

For tandem video and further information please scan QR-code!

BODYTUNE –
A Computer-aided Auscultation System for Monitoring the Carotid Artery

- **Prevention**
- **Carotid Stenosis**
- **Long-Term Monitoring**
- **Early Diagnosis**
- **Homecare**

OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG

MEDIZINISCHE FAKULTÄT UNIVERSITÄTSKLINIKUM MAGDEBURG A.ö.R.

IDTM GmbH

Project Description
BODYTUNE enables people to monitor their carotid artery and improve their health using an inexpensive audio sensor and a smartphone. AI-based algorithms generate a patient-specific profile and analyze the data to support the users in improving their physical activity, diets and their overall health. The system enables early diagnosis of arterial diseases, avoids emergencies, and saves resources.

What do we need?
We are looking for clinical partners like hospitals and clinicians to collect data, US research institutions and companies with expertise in cloud computing, big data and machine learning to contribute to the development of AI algorithms for BODYTUNE. Additionally, we are looking for partners who know the US healthcare and reimbursement system and can support us in entering the market.

What do we offer?
We will provide future partners with access to a German-wide network of research institutions, hospitals, innovators and companies for their projects. In addition, we can offer strong expertise in hardware and software development as well as signal processing.

Meet this winning German Research-SME-Tandem on the virtual Matchmaking Tour, June 7-11, 2021!

Presented by InnoHealth USA 2021 – a campaign led by Fraunhofer-Gesellschaft as part of the initiative "Research in Germany" of the Federal Ministry of Education and Research.