Belarusian university is looking for partners to collaborate on joint projects in the field of medical electronics, digital medicine and innovative technologies for the medicine

- SCHEDA

- APPROFONDIMENTI

Identificativo proposta:TOBY20210929001 RICHIEDI MAGGIORI INFORMAZIONI

The Belarusian University has extensive experience in research and development in the field of medical electronics, innovative and digital technologies in medicine. The University is looking for industrial and scientific partners for joint projects on research and development of new technologies. They are also interested in participating in projects within the framework of European research funding programs, such as Horizon Europe.

The Belarusian University has extensive experience in research and development in the field of medicine, such as medical electronics, digital medicine and innovative technologies for the medicine. They are involved in different types of projects and have corresponding expertise and knowledge. In the field of medical electronics University has experience in design and development of devices for cleaning and disinfection of surgical instruments, microcontrollers for medical devices and medical complexes based on electrical stimulation for monitoring and diagnostics of a person's physical state. A number of laboratories of the University is involved in development and synthesis of new antiviral and antibacterial nanocoatings and nanocomposites for a wide range of applications. For example, air ventilation and conditioning disinfection systems, telephone covers, etc. There are also technologies based on plasma and plasmon particles for sterilization and disinfection of surfaces. In the third field, digital medicine, their expertise covers: 1) Smart monitoring systems based on neural networks, cloud computing, BigData and IoT technologies. 2) Methods and algorithms for processing speech signals for hearing aids and detecting pathologies. 3) Computer modeling of processes in the human auditory system and modeling methods of auditory pathologies. 4) Data analysis and application of neural networks for medical image processing. The University is looking for industrial and scientific partners for joint projects on research and development of new technologies. They are also interested in participating in projects within the framework of European research funding programs, such as Horizon Europe.

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