

Collaboration for Development – Interdisciplinary Panel Meeting on the Challenges of Digital Medicine

Abstract

The development of digital medicine is conditioned by the creation of an appropriate infrastructure and system supporting scientific research in this area. Creating prognostic, predictive and therapeutic tools based on clinical data, drug dosing algorithms and patient monitoring requires the creation of high quality datasets, the use of advanced methods of data analysis and interdisciplinary cooperation between the medical and academic communities. Digital medicine is developing at a rapid pace, and technologies such as big data analysis, artificial intelligence and genome sequencing tools have an increasing impact on diagnostics, therapy and prevention of diseases. The academic community has scientific and research knowledge, while the medical community generates huge amounts of clinical data. The cooperation of these communities can accelerate the development of innovative solutions that can improve the quality of healthcare. Regional Digital Medicine Centers (RCMC) developed in Poland by the Medical Research Agency (ABM) are a new, key element in the digital medicine ecosystem, combining technological resources, expertise and research potential to create and implement innovative solutions that have a real impact on improving the quality of healthcare and the development of science. The needs of RCMC in the development and implementation of intelligent solutions based on datasets generated in the centers are other important issues from the point of view of the planned panel.

The aim of the panel is a joint discussion of the IT and medical communities and identification of barriers related to the free exchange of data and problems that arise when creating inter-center, interdisciplinary research teams. Logistical, legal and institutional challenges often stand in the way of cooperation. Based on the joint discussion, we want to learn about the needs and potential of cooperation between the medical and academic communities in the area of digital medicine.