Advances in Augmented Medicine

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Message from the Guest Editors

Dear Colleagues,

Clinical practice is currently confronted with the possibility of adopting new artificial-intelligence-based technological tools that can drastically improve the effectiveness of health professionals in providing early diagnoses, minimally invasive, and patient-specific treatments options.

Along with the well-known growth of computational power that has enabled the widespread explosion of neural network advancements, the ease of access to all kinds of sensors has drastically increased the amount of data that can be processed also. Many new devices, relatively small in physical dimensions, are now capable of running AI-powered applications. All this leads to the emergence of a new field of study that is starting to be known as Augmented Medicine (AM), a potentially vast field that integrates medicine with different computer sciences and enables technologies such as Machine Learning, Computer Vision, and Mixed Reality.

The aim of this Special Issue is to advance the scholarly understanding of how AI-powered medical technologies can be used to further clinical practice transition to the 4P model.

Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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