Deep Learning and Big Data in Healthcare

Guest Editor:

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Deadline for manuscript submissions:
closed (20 April 2019)

Message from the Guest Editor

The goal of this Special Issue is to put together relevant contributions, condensed in five key cornerstones of Deep Learning and Big Data applications in healthcare. On the one hand, the applications can include works with medical images (magnetic resonance, radioscopy and tomography, echography, nuclear medicine), contributions to signal processing (cardiac, neural, long-term monitoring, wellness devices), or data from large forms (primary attention, specialized medicine, clinical practice, electronic health recordings, hospital information systems, interoperability).

In addition, companies and organizations are playing a relevant role in this breakpoint, hence their contributions and experience are very welcome, in order to complete the landscape of the progress in the field, as well as open challenges for the research community.

Finally, the feature interpretation remains an open issue in Deep Learning and Big Data state-of-the-art, but it takes special relevance in healthcare applications, in order to gain confidence in their use both by the healthcare staff and by the patients, so contributions including insights into this hot and open topic are welcomed.

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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