Special Issue

Bioinformatics in Healthcare to Prevent Cancer and Children Obesity

Message from the Guest Editors

The field of bioinformatics has various applications in medicine, ranging from research into genes to the use of drugs for prevention. Firstly, bioinformatics has many uses in **pharmaceuticals:** bioinformatics researchers have played essential roles in pharmaceutical research, especially for the treatment of infectious diseases. Moreover, bioinformatics has also innovated personalized medicine research, thus assisting in bringing new discoveries in terms of drugs that can be personalized to patient genetic patterns. Secondly, this research has a variety of uses in **prevention:** just like pharmaceuticals, bioinformatics can be combined with epidemiology to create preventive medicine by determining the causes of health issues, community healthcare infrastructure, disease patterns, etc. Finally, these treatments have extensive uses in **therapy:** bioinformatics can also be useful in gene therapy, especially for individual genes that have been adversely affected. In this SI we will seek to cover:

- AI in the healthcare;
- Bioinformatics in healthcare;
- Prevention of cancer using AI and image processing;
- Detection and prevention of obesity in children.

Guest Editors

Dr. Athanasios Anastasiou

Biomedical Engineering Laboratory, School of Electrical Engineering, National Technical University of Athens, 10682 Athens, Greece

Prof. Dr. Dimitrios Dionisios Koutsouris

Division of Information Transmission Systems and Material Technology, National Technical University of Athens, 10682 Athens, Greece

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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