

Special Issue

Application of Semantic Web Technologies in Biomedicine and Biomedical Informatics

Message from the Guest Editors

The large amount of biomedical data has allowed for the proliferation of novel methods for data analysis and knowledge extraction. Bioinformatics has focused attention on these, allowing data processing and analysis both of homogeneous and heterogeneous sources. The Semantic Web technologies are focused on interrelations that allow data computation and processing.

This Special Issue will publish papers on a wide range of data-centered bioinformatics topics by focusing on the semantic web technologies in biomedicine and biomedical informatics. It will consider articles describing novel computational algorithms and software tools, data models, and methodologies based on artificial intelligence and systems biology in biomedicine and biomedical informatics fields. Its main aim will be collecting original works in the fields of bioinformatics, databases, data science, and medical informatics, as well as in application-related fields (e.g., biology and medicine), to address the challenges and the requirements related to the application of Semantic Web technologies in biomedicine and biomedical informatics.

Guest Editors

Dr. Pietro Hiram Guzzi

1. Municipality of Miglierina, Street B., 88040 Telesio, Italy
2. Department of Surgical and Medical Sciences, Magna Graecia University of Catanzaro, 88100 Catanzaro, Italy

Dr. Pietro Cinaglia

Department of Health Sciences, Magna Graecia University of Catanzaro, 88100 Catanzaro, Italy

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BioMedInformatics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomedinformatics@mdpi.com

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Editor-in-Chief

Dr. Alexandre G. De Brevérn

Department of Biological Research on the Red Blood Cells, INTS,
INSERM UMR_S 1134, Université de Paris, Université de la Réunion,
75739 Paris, France

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