

Special Issue

Biomedical and Bioinformatics Challenges for Computer Science

Message from the Guest Editors

Emerging technologies in genomics, transcriptomics, metagenomics, and other life science areas are generating an increasing amount of complex data and information. These recent changes related to emerging technologies have made the role of computer science (both in theoretical and applied aspects) much more critical in all the bioinformatics research directions. This Special Issue invites submissions related to these research directions in bioinformatics, such as high-performance architectures and systems, distributed computing (e.g., grid, cloud, peer-to-peer, Web services, e-infrastructures), computational simulation (mechanistic, stochastic, multi-model), algorithms (theoretical and experimental aspects) design and analysis, applied bioinformatics (analysis pipelines, software tools, preprocessing, analysis and integration of clinical and omics data), and artificial and computational intelligence (machine learning, agents, evolutionary techniques, and bio-inspired methods). The Special Issue also specifically invites extended versions of papers presented at the "Workshop on Biomedical and Bioinformatics Challenges for Computer Science".

Guest Editors

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Deadline for manuscript submissions

closed (25 September 2018)



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You are invited to contribute a research article, a comprehensive review or a software paper for consideration and publication in Computers (ISSN 2073-431X). Computers is an international, peer-reviewed, open access journal which provides an advanced forum for computer sciences. Computers is published in open access format—research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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