



## Biomedical and Bioinformatics Challenges for Computer Science

Guest Editors:

**Dr. Giuseppe Agapito**

**Prof. Dr. Mario Cannataro**

**Dr. Mauro Castelli**

**Dr. Riccardo Dondi**

**Prof. Dr. Rodrigo Weber Dos Santos**

**Dr. Italo Zoppis**

Deadline for manuscript  
submissions:

**closed (25 September 2018)**

### 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".





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### Prof. Dr. Paolo Bellavista

Department of Computer Science  
& Engineering (DISI), University of  
Bologna, 40136 Bologna, Italy

## Message from the Editor-in-Chief

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*Computers* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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