

Big Data in Biology, Life Sciences and Healthcare

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Deadline for manuscript
submissions:

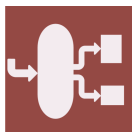
31 May 2019

Message from the Guest Editors

In this Special Issue, we seek research and case studies that demonstrate the application of big data modeling and analysis to support scientific research, drug development, clinical decision making, personalized medicine, and other critical tasks. Example topics include (but are not limited to) the following topics relating big data to biology, the life sciences or healthcare:

- Novel systems engineering approaches, including modeling and numerical analysis algorithms
- New statistical tools and algorithms
- Machine learning and artificial intelligence
- Integration of systems engineering approaches with machine learning
- Novel visualization approaches
- Computer or model-aided diagnostics
- Model-based drug development
- Evidence-based medicine
- Modeling and analysis of data from a multitude of sources
- Application of wearable devices
- Public health surveillance





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Message from the Editor-in-Chief

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Rapid publication: manuscripts are peer-reviewed and a first decision provided to authors approximately 14 days after submission; acceptance to publication is undertaken in 6.0 days (median values for papers published in the first six months of 2018).

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