Advances of Protein Bioinformatics

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Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editors

This Special Issue, entitled "Advances in Protein Bioinformatics", aims to address key issues in protein bioinformatics and to highlight recent advances that can successfully complement the results obtained using traditional laboratory ("wet") methods. The Editors seek high-quality works focusing on the latest applications of algorithmic methods, data-driven techniques, artificial intelligence, and deep learning for the analysis of the structure and function of proteins and protein interaction networks. Potential topics include, but are not limited to:

- advances in the graphical visualization of proteins;
- cloud computing and big data technologies for accelerated similarity searches;
- improvements in traditional algorithmic techniques, such as heuristic algorithms, approximate algorithms, and graph algorithms, for solving protein bioinformatics problems;
- prediction of antibody neutralization sensitivity by a glycoprotein structure;
- deep-learning-based frameworks for studying protein–RNA interactions; and
- other applications of deep learning in protein bioinformatics.

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Special Issue

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Message from the Editor-in-Chief

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