

Special Issue

Artificial Intelligence Research for Complex Biological Systems

Message from the Guest Editors

Advancements in intelligent computing have significantly propelled research in bioinformatics, computational systems biology, and related fields. These methodologies play a pivotal role in biological and medical research, analyzing single-cell and bulk omics data, elucidating mechanisms in cancer and neuroscience, and modeling complex biological systems. Single-cell omics data, with its complexity and high noise levels, highlights the need for intelligent computing techniques. The emergence of generative AI promises foundational frameworks for biological research. This Special Issue aims to showcase breakthroughs in these areas, inviting data-driven studies leveraging intelligent computing technologies.

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