

Special Issue

Cryogenic Biomolecular Imaging and Image Analysis Techniques: Present and Future

Message from the Guest Editor

Cryogenic microscopy techniques, such as cryo-electron microscopy single particle analysis, cryo-electron tomography, cryo correlative light and electron microscopy, and cryo super-resolution fluorescence microscopy, allow a multi-scale and multi-resolution analysis of biomolecular assemblies. Advances in instrumentation increase the amount and quality of the collected data, which opens new research avenues, including the development of new image analysis algorithms. Over the years, modeling, simulation, and deep learning have become integral parts of cryogenic biomolecular image analysis. This Special Issue welcomes original research and review articles on advances and future directions in all techniques of cryogenic biomolecular imaging and image analysis, including modeling, simulation, and deep learning.

Guest Editor

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