

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

Dr. Slavica Jonić
CNRS, UMR7590, IMPMC, Sorbonne University, 38044 Paris, France

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4052 Basel, Switzerland
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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