



Technology Advance and Application of Cryo-Electron Microscopy in Molecular Biology and Biomedicine

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Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on all aspects of technological advancement and the application of cryo-EM, including in situ cryo-electron tomography (cryo-ET), in molecular biology and biomedicine. We particularly welcome high-quality original studies with respect to experimental methods for cryo-EM/ET sample preparation and imaging, computational and machine-learning tools for analyzing heterogeneous cryo-EM/ET data, cryo-EM/ET analysis of structural dynamics of important molecular machines using novel strategies and approaches, and particularly the application and development of cryo-EM/ET to structure-based drug discovery and pharmacological applications, as well as the integration or hybridization of cryo-EM/ET with complementary approaches.

Both high-quality original research articles and cutting-edge focused reviews summarizing important advances in the field are welcome for submission. Authors are encouraged to take advantage of the great flexibility of the article format with unlimited length, and to use this Special Issue as a permanent digital forum to document their unique scholarly opinions and novel concepts.

Dr. Youdong Mao
Guest Editor





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Message from the Editor-in-Chief

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