

JEOL CRYOARM: results with no compromise

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Since 1949, JEOL's legacy has been one of the most remarkable innovations in the development of instruments used to advance scientific research and technology.

Recent advances in cryo-TEM design and the introduction of direct detector cameras have both contributed greatly to the resolution revolution in protein structure imaging.

JEOL has recently announced its new CRYO ARM™ II instrument which is designed to take the resolution of protein structures to a new level speeding up the acquisition workflow.

This presentation will explain the features of the new JEOL Cryo-TEM range which is designed to improve the performance specifically when observing low contrast and beam sensitive specimens. Examples of Cryo-TEM data from protein samples will be used to exemplify how the improved Omega filter and the Cold FEG electron gun, as well as the Hole Free Phase Plate, can be used to greatly improve the data quality for single particle analysis and cryo-TEM tomography.