

essential platform for the investigation of nanostructure in pharmaceutical materials and other organic solids.

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Keywords: scanning electron diffraction, pharmaceuticals, nanostructure

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Possibility of improved phasing method on Micro-ED

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The author discuss on basic physics of Bragg diffractions, and introduce a new way of image capturing on Bragg diffractions instead of Fraunhofer diffractions in a transmission electron microscope. There is a possibility to improve the phasing process on the protein crystallography (Micro-ED). In this scheme, we do not require standard phasing techniques; such as Multi-wavelength Anomalous Diffraction (MAD) method used in X-ray crystallography. The author also discuss on limitations on this scheme.

Keywords: Micro-ED, Phasing