

Quo Vadis MicroED?

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In 20 the method of microcrystal electron diffraction began to gain momentum with the demonstration that protein structures could be determined from three dimensional crystals using electron diffraction. Over the past decade several technological milestones were developed, optimized and described. Several laboratories and facilities regularly collect MicroED data and solve important structures from materials, small molecules, natural products to peptides, soluble proteins and importantly membrane proteins. Here I will describe MicroED from its beginnings to today's practice and discuss where the method is going in the coming years and where we could see its biggest impact in the coming years.