

## MicroED for Metabolomics

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Metabolomics is an important field studying small molecule metabolites to get a deeper understanding of biological processes and pathways. Traditional methods used for metabolomics are mass spectrometry and nuclear magnetic resonance. While these techniques can be used to identify large numbers of metabolites, large percentages of metabolites remain unknown and/or structurally uncharacterized. Here, we present the addition of MicroED into the metabolomics pipeline to increase the coverage of structural characterization of identified metabolites. The research was performed using EMSL (grid.436923.9), a DOE Office of Science User Facility sponsored by the Biological and Environmental Research program located at PNNL and was supported by the DOE Office of Biological and Environmental Research, Biological Systems Science Division, FWP 74915.