### Emory Integrated Proteomics Core

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The Emory Integrated Proteomics Core (EIPC) is a full-service proteomics facility offering Emory researchers the ability to use the cutting-edge mass spectrometry (MS) technologies to identify and characterize proteins in their research. Our major services include a) protein identification (in-gel or in-solution digestion), b) interactome analysis (on-bead digestion), c) post-translational modifications (PTM), d) isobaric (TMT) or label-free quantification, and e) bioinformatic analysis support.

The proteomic platform of EIPC relies on LC-MS/MS to analyze peptide mixtures of single proteins as well as more complex proteomes captured from cells and tissues. The sensitivity and high throughput of the LC-MS/MS system is pivotal to proteomic analyses. Instruments that are currently available in EIPC include Q-Exactive (QE) Plus, Q-Exactive (QE) HF-X, and Orbitrap Fusion.

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