



CUNY ADVANCED SCIENCE RESEARCH CENTER

Mass Spectrometry Facility

The **Mass Spectrometry Facility** gives researchers access to cutting-edge instrumentation, while also providing technical support and training. The Facility supports projects from across structural biology, chemistry, and biotechnology areas.

Examples include characterization of new self-assembling biomaterials, intact proteins, small molecule and complex peptide mixtures, PEGylated biopolymers.

In addition to on-site testing, researchers will also be able to **submit samples for analysis**.

The facility welcomes users from CUNY and other institutions, in addition to start-up companies and industry.

For more information:
asrc.cuny.edu/mass-spec

Available Instrumentation

Bruker Autoflex Speed TOF-TOF

- *Features a number of options, including linear mode, high-resolution reflectron mode, LIFT technology to enable the use of various MS/MS techniques and fully automated plate management for label-free high throughput screening*

Bruker maXis-II ETD ESI-qTOF

- *Sub-ppm mass accuracy (<1ppm)*
- *Mass resolution > 80,000 (isotopic resolution even for proteins > 40Kda)*
- *Applications include LC-MS/MS (with CID and ETD capabilities) analysis of complex protein/peptide and small molecules mixtures, mass analysis of large non-covalent protein systems*