FACILITIES & OTHER RESOURCES

Emory Glycomics and Molecular Interactions Core (EGMIC)

Updated v4 April 2025

Emory Glycomics and Molecular Interactions Core

Emory Integrated Core Facilities

EMORY GLYCOMICS AND MOLECULAR INTERACTIONS CORE (EGMIC)

The Emory Glycomics and Molecular Interactions Core (EGMIC), part of the Emory Integrated Core Facilities (EICF), is located in Rooms 665, 665A, and 661 on 6th floor the Whitehead Biomedical Research Building (615 Michael Street, Atlanta, GA 30322). EGMIC is equipped with state-of-the-art instrumentation, including an Agilent 6560 Ion Mobility LC-QTOF LC-MS system, an Agilent 6545XT AdvanceBio LC-QTOF LC-MS system, and a TSQ Altis Triple Quadrupole MS from Thermo Fisher Scientific. These advanced systems support high-sensitivity, high-accuracy glycomics and proteomics analyses, as well as the characterization and quantification of a wide range of biomolecules, including small molecules, nucleic acids, peptides, and intact proteins.

Additionally, the core offers label-free molecular interaction analysis through surface plasmon resonance using a Biacore X100, an isothermal titration calorimetry with a MicroCal Auto-iTC200, and flourescent microarray imaging using InnoScan 1100AL microarray scanner.

Figure-1: (A) Whitehead Biomedical Research Building. (B) Floor plan of existing core site (blue box). Existing instruments (blue square) and sample preparation area(blue circle) are indicated.