The IIGB Metabolomics Core (http://metabolomics.iigb.ucr.edu /) was established in 2018 and offers a wide range of LC-MS and GC-MS-based metabolomics services including both untargeted and targeted assays. The facility is managed by Dr. Amancio De Souza (Academic Coordinator) and houses state-of-the-art LC-MS instrumentation: an ion mobility enabled Waters Synapt G2-Si quadrupole time-of-flight (QTOF) mass spectrometer coupled to a Waters I-class UPLC, a Waters G2-XS QTOF mass spectrometer coupled to an H-class UPLC with a fractionation manager, and a Waters Xevo TQ-XS triple quadrupole mass spectrometer coupled to a Waters 2D I-class UPLC. To support sample preparation for metabolomics analysis, the facility is equipped with a freeze-dryer with trays, a cooled centrifuge with rotors for tubes and plates, a 48-position nitrogen evaporator, and a cooled, bead mill homogenizer. To support data analysis and bioinformatics, the core houses a dedicated data processing workstation equipped with open-source and in-house metabolomics data processing tools. Staff include a research scientist, a research associate, and a bioinformatics programmer.