COMPREHENSIVE NEUROAIDS CENTER BASIC SCIENCE CORE I: PROTEOMICS AND METABOLOMICS FACILITY

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GeLCMS Proteomics Platform

SILAC

PTMs Identification Platform

The Proteomics/Metabolomics Facility Capabilities

Targeted Metabolomics

A
B
C
D

The focal point of metabolomics is the application of tools from analytical chemistry to profile the maximum number of metabolites found within an organism, tissue, cell, or biofluid capabilities at the Temple metabolomics core. A) Waters Xevo TW LC/MS/MS. B) Bruker 400 MHz NMR. C) Waters HPLC. D) Beckman Capillary Electrophoresis.

The Proteomics and Metabolomics Core Facility houses state-of-the-art instrumentation, and is supported by a staff with expertise in proteomics, metabolomics and relevant bioinformatics. The facility provides proteomics technology capable of separation and identification of proteins and metabolites in tissue, body fluids and cells. All our capabilities are setup to support the study design, methods development, protein and metabolite measurements for sample storage, preparation, preprocessing of NeuroAIDS related projects, including stratified sampling, and appropriate implementation of the proteomics and metabolomics technologies.

Please contact one of our core leaders for more information.

Core Leader:
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Core Manager:
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