

Resource Summary Report

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Joslin Diabets Center Proteomics Core Facility

RRID:SCR_009883

Type: Tool

Proper Citation

Joslin Diabets Center Proteomics Core Facility (RRID:SCR_009883)

Resource Information

URL: <http://harvard.eagle-i.net/i/0000012e-a183-b053-55da-381e80000000>

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Description: THIS RESOURCE IS NO LONGER IN SERVCE, documented January 24, 2019. Core provides the following services: Trypsinization service. Core provides a full range of services to the Joslin research community spanning from consulting on proteomic experimental design to data acquisition and analysis. The core operates a high throughput nano liquid chromatography, nanospray ionization, LTQ 2D ion trap tandem mass spectrometer system. This system is used for two routine proteomic services, including Targeted Protein Analysis and Protein Inventory. Targeted Protein Analysis is used to identify and provide in depth characterization, including phosphorylation site mapping, of proteins isolate by SDS-PAGE. Protein Inventory is used to catalogue the protein composition in a sample separated by 1D SDS-PAGE. This service provides information on protein identification, molecular weight (gel mobility), and spectral/peptide counts, a semi-quantitative measure of protein abundance. In addition, the Core works with investigators on specialized analyses involving tandem mass spectrometry, including specialized enzymatic digests (peptide preparation), selective reaction monitoring (SRM), and targeted peptide detection. The Proteomic Core provides in house database resources and analysis tools and also coordinates with Joslin's Bioinformatics Core to provide further assistance with data organization and interpretation. The Core hosts seminars on proteomic topics and provides instruction on practical and theoretical aspects of mass spectrometry-based proteomics.

Abbreviations: JDC Proteomics Core,

Resource Type: access service resource, core facility, service resource

Keywords: trypsination, nanospray ionization, LTQ 2D ion trap tandem, mass spectrometer system,

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Joslin Diabets Center Proteomics Core Facility

Resource ID: SCR_009883

Alternate IDs: nlx_156352

Alternate URLs: <http://www.joslin.org/diabetes-research/proteomics-core.html>

Record Creation Time: 20220129T080255+0000

Record Last Update: 20250424T065039+0000

Ratings and Alerts

No rating or validation information has been found for Joslin Diabets Center Proteomics Core Facility.

No alerts have been found for Joslin Diabets Center Proteomics Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.