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Welcome**



**Location**

Comprehensive Cancer Center  
Laboratory #5  
San Juan, PR 00935  
Phone: (787)772-8300 Ext. 1411

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Visiting hours are Monday through Friday from 9:00 AM to 4:00 PM. Visitors need to contact the staff in advance. For the use of the equipment you must be an RCMI registered user. The core can help with the registration process for all users.

**Acknowledgment**

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**Translational  
Proteomics Center  
(TPC)**



**Dr. Loyda Melendez  
Professor and Director**



University of Puerto Rico  
Medical Sciences Campus  
RCMI Program  
INBRE Program  
Comprehensive Cancer Center



## About the TPC

The Translational Proteomics Center (TPC) is a core facility supported by RCMI, INBRE and the Comprehensive Cancer Center of the UPR-Medical Science Campus.

The TPC has two main components: proteomics services and available instrumentation.

The mission of the TPC is to enhance the current capacity for biomedical research in proteomics in Puerto Rico. We are equipped with a Q Exactive™ Hybrid Quadrupole Orbitrap Mass Spectrometer from Thermo Fisher Scientific. This is the backbone of the proteomics platform for the rapid discovery of multiple biomarkers, protein identification, quantitation and post-translational modifications. The TPC has incorporated TMT labelling as the main technique for global protein quantitation, using our high resolution mass spectrometer showed below.

### Easy nLC 1200 Q Exactive Plus



## Services and Fees

Service	Fee
BCA (Total Protein Quantitation)	\$50/Microplate
Depletion of most abundant proteins, up to 25 samples per kit.	\$500/Kit or \$20/Sample
Sample Preparation for in-gel processing ❖ Short run SDS-PAGE ❖ Coomassie Stain	\$50/gel
Sample Processing for Mass Spectrometry by In-gel Digestion ❖ Reduction and Alkylation ❖ Enzymatic digestion in-gel ❖ Peptide Extractions	\$15/Sample
Sample Processing for Mass Spectrometry by In-solution Digestion ❖ Reduction and Alkylation ❖ Enzymatic digestion in-gel ❖ Peptide cleaning (when required)	\$650/Kit (Thermo) or \$5/Sample
Up to 20 samples per kit.	
Protein Identification ❖ Analysis by LC-MS/MS Proteome Discoverer Data Search	\$20/Sample
Quantitative Proteomics: ❖ Peptide tagging (TMT labeling) ❖ Analysis by LC-MS/MS (Easy nLC 1200/Q-Exactive Plus) ❖ Peptide Fractionation ❖ Proteome Discoverer Data Search	\$1,450/TMT11plex
<b>Proteomics Abstract and Manuscripts Revision</b>	Free

An initial consultation with Dr. Melendez is required. Visit our page for more information:  
<https://rcmi.rcm.upr.edu/?q=proteomic-page>  
<https://inbre.hpcf.upr.edu/index.php/cri-core/>

## Instruments Open for Registered Users

### Sorvall ST 16R Centrifuge / Sorvall WX Ultracentrifuge



### Tuttnauer EZ9 Autoclave / Vacufuge



### ChemiDoc MP Imaging System



### Varioskan Lux

