



Location

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

Conctact People:

Dr. Loyda Melendez loyda.melendez@upr.edu Director

Ana E. Rodriguez ana.rodriguez48@upr.edu Research Assistant

Yadira M. Cantres yadira.cantres@upr.edu Research Assistant

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

"Research infrastructure support and services in proteomics were provided, in part, by the grant U54MD007600 from the National Institute on Minority Health and Health Disparities and by the PR-INBRE program Supported by an Institutional Development Award (IDeA) from the National Institute of General Medical Sciences of the National Institutes of Health under grant number P20GM103475".







Translational Proteomics Center (TPC)



Dr. Loyda Melendez Professor and Director



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

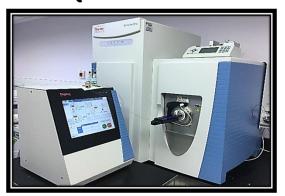
About the TPC

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 ExactiveTM 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, high resolution using our mass spectrometer showed below.

Easy nLC 1200 Q Exactive Plus



Services and Fees

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

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

