Resource Summary Report

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New York University School of Medicine Langone Health Precision Immunology Laboratory Core Facility

RRID:SCR_017936
Type: Tool

Proper Citation

New York University School of Medicine Langone Health Precision Immunology Laboratory Core Facility (RRID:SCR_017936)

Resource Information

URL: https://med.nyu.edu/research/scientific-cores-shared-resources/precision-immunology-laboratory

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Description: Core to study immune cell phenotype and function, characterizes antitumor immune responses, determines mechanisms of immune escape and evasion, and develops biomarkers that predict patient outcomes or possible toxicities. Offers services for immune monitoring,provides expert knowledge that guides choice of technologies used for study, coordinates purchase, quality control, and use of reagents. Stand-alone services include high-quality cell processing and storage to support correlative studies. These services allow convenient batched analysis of trial samples.Staff purifies peripheral blood mononuclear cells daily from clinic visits and another staff member is available for on-demand and after-hours processing. Samples are cryopreserved on-site in temperature-monitored LN2 freezers for short-term storage. For long-term storage, samples are transferred to Novare Biologistics,off-site cGMP-compliant, New York State-licensed, and FDA-registered biorepository. Routinely assess quality of processing and cryopreservation. Core meets performance targets for cell viability and recovery necessary for certification by Integrated Biobank of Luxembourg. Offers service for isolating tumor-infiltrating lymphocytes using dissociation protocols optimized for various tumor tissues. Offers flow cytometry at Perlmutter Cancer Center, along with expert service and training. Sterile fluorescence-activated cell sorting (17 colors) is routinely performed with options for high-speed (50K cells per second), single-cell deposition (into polymerase chain reaction plates), and BSL-3 sorting for unscreened or infected human material. Data analysis workstations are also available.Offers single-cell analysis through our cutting-edge 30-parameter flow cytometry

technology and Integrated Molecular Cytometry Platforms (IMCPs).

Synonyms: New York University School of Medicine Langone Health Precision Immunology Laboratory, NYU Langone Immune Monitoring Laboratory, NYU Langone Precision Immunology Laboratory

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

Keywords: Immune, cell, phenotype, antitumor, response, mechanism, escape, evasion, biomarker, predict, patient, toxicity, monitoring, processing, storge, periferal, blood, mononuclear, biorespository, service, core, ABRF, USEDit

Funding: NIH Office of the Director S10 OD016425

Availability: Open

Resource Name: New York University School of Medicine Langone Health Precision Immunology Laboratory Core Facility

Resource ID: SCR_017936

Alternate IDs: ABRF_833

Alternate URLs: https://coremarketplace.org/?FacilityID=833&citation=1

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Ratings and Alerts

No rating or validation information has been found for New York University School of Medicine Langone Health Precision Immunology Laboratory Core Facility.

No alerts have been found for New York University School of Medicine Langone Health Precision Immunology Laboratory Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.