

Resource Summary Report

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University of Pennsylvania School of Medicine Penn Diabetes Research Center Pancreatic Islet Cell Biology Core Facility

RRID:SCR_008265

Type: Tool

Proper Citation

University of Pennsylvania School of Medicine Penn Diabetes Research Center
Pancreatic Islet Cell Biology Core Facility (RRID:SCR_008265)

Resource Information

URL: <http://www.med.upenn.edu/idom/drc/cores/cellbio.html>

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Description: Core that gives support including experimental design, islet isolation, and performance of and training in an expansive range of assays for physiological and morphometric assessment of pancreatic islet function and growth. It contributes to the basic and translational research activities of the Institute of Diabetes, Obesity and Metabolism (IDOM) at the Perelman School of Medicine of the University of Pennsylvania. Its services include perform individual islet and single cell fluorescence imaging, respirometry with islet batches using a Seahorse Extracellular Flux Analyzer, perfusion coupled with respirometry, and closed respirometry experiments for our investigators.

Synonyms: Penn Diabetes Research Center Pancreatic Islet Cell Biology Core

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

Keywords: calcium imaging, mitochondrial function, morphometry, islet isolation

Related Condition: Diabetes

Funding: NIDDK P30DK19525

Availability: Available to the DRC community, Fee for service

Resource Name: University of Pennsylvania School of Medicine Penn Diabetes Research Center Pancreatic Islet Cell Biology Core Facility

Resource ID: SCR_008265

Alternate IDs: nlx_156487

Record Creation Time: 20220129T080246+0000

Record Last Update: 20260803T040522+0000

Ratings and Alerts

No rating or validation information has been found for University of Pennsylvania School of Medicine Penn Diabetes Research Center Pancreatic Islet Cell Biology Core Facility.

No alerts have been found for University of Pennsylvania School of Medicine Penn Diabetes Research Center Pancreatic Islet Cell Biology Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.