

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 22, 2025

## Integrated Islet Distribution Program (IIDP)

RRID:SCR\_014387

Type: Tool

### Proper Citation

Integrated Islet Distribution Program (IIDP) (RRID:SCR\_014387)

### Resource Information

**URL:** <http://iidp.coh.org/Default.aspx>

**Proper Citation:** Integrated Islet Distribution Program (IIDP) (RRID:SCR\_014387)

**Description:** The goal of the Integrated Islet Distribution Program (IIDP) is to work with the leading islet isolation centers in the U.S. to distribute high quality human islets to the diabetes research community, in order to advance scientific discoveries and translational medicine.

**Abbreviations:** IIDP

**Synonyms:** Integrated Islet Distribution Program

**Resource Type:** data or information resource, resource, portal, organization portal

**Keywords:** program, islet, distribution, diabetes

**Related Condition:** Diabetes

**Funding:** NIDDK

**Resource Name:** Integrated Islet Distribution Program (IIDP)

**Resource ID:** SCR\_014387

**Alternate URLs:** <http://www.niddk.nih.gov/research-funding/research-resources/Pages/default.aspx>

**Record Creation Time:** 20220129T080320+0000

**Record Last Update:** 20250422T055759+0000

---

## Ratings and Alerts

No rating or validation information has been found for Integrated Islet Distribution Program (IIDP) .

No alerts have been found for Integrated Islet Distribution Program (IIDP) .

---

## Data and Source Information

**Source:** [SciCrunch Registry](#)

---

## Usage and Citation Metrics

We found 240 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Carré A, et al. (2025) Interferon- $\gamma$  promotes HLA-B-restricted presentation of conventional and alternative antigens in human pancreatic  $\beta$ -cells. Nature communications, 16(1), 765.

Coate KC, et al. (2024) Interruption of glucagon signaling augments islet non-alpha cell proliferation in SLC7A2- and mTOR-dependent manners. bioRxiv : the preprint server for biology.

Patra M, et al. (2024) Senescence of human pancreatic beta cells enhances functional maturation through chromatin reorganization and promotes interferon responsiveness. Nucleic acids research, 52(11), 6298.

Perez-Frances M, et al. (2024) Regulated and adaptive in vivo insulin secretion from islets only containing  $\beta$ -cells. Nature metabolism, 6(9), 1791.

Karakose E, et al. (2024) Cycling alpha cells in regenerative drug-treated human pancreatic islets may serve as key beta cell progenitors. Cell reports. Medicine, 5(12), 101832.

Jo S, et al. (2024) Loss of O-GlcNAcylation modulates mTORC1 and autophagy in  $\beta$  cells, driving diabetes 2 progression. JCI insight, 9(23).

Kamat V, et al. (2024) Hypertonicity during a rapid rise in D-glucose mediates first-phase insulin secretion. Frontiers in endocrinology, 15, 1395028.

Muralidharan C, et al. (2024) Inhibition of the eukaryotic initiation factor-2 $\gamma$  kinase PERK decreases risk of autoimmune diabetes in mice. The Journal of clinical investigation, 134(16).

Esser N, et al. (2024) The islet tissue plasminogen activator/plasmin system is upregulated with human islet amyloid polypeptide aggregation and protects beta cells from aggregation-induced toxicity. *Diabetologia*, 67(9), 1897.

Lee CC, et al. (2024) Sodium butyrate prevents cytokine-induced  $\beta$ -cell dysfunction through restoration of stromal interaction molecule 1 expression and activation of store-operated calcium entry. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 38(15), e23853.

Johansen CG, et al. (2024) Extracellular matrix stiffness mediates insulin secretion in pancreatic islets via mechanosensitive Piezo1 channel regulated  $Ca^{2+}$  dynamics. *Matrix biology plus*, 22, 100148.

Qadir MMF, et al. (2024) Sex-specific regulatory architecture of pancreatic islets from subjects with and without type 2 diabetes. *The EMBO journal*, 43(24), 6364.

Qadir MMF, et al. (2024) Single cell regulatory architecture of human pancreatic islets suggests sex differences in  $\beta$  cell function and the pathogenesis of type 2 diabetes. *Research square*.

Linsley PS, et al. (2024) Germline-like TCR- $\beta$  chains shared between autoreactive T cells in blood and pancreas. *Nature communications*, 15(1), 4971.

Coate KC, et al. (2024) Interruption of glucagon signaling augments islet non-alpha cell proliferation in SLC7A2- and mTOR-dependent manners. *Molecular metabolism*, 90, 102050.

Sylvester-Armstrong KR, et al. (2024) Serum from pregnant donors induces human beta cell proliferation. *Islets*, 16(1), 2334044.

Qadir MMF, et al. (2024) Single cell regulatory architecture of human pancreatic islets suggests sex differences in  $\beta$  cell function and the pathogenesis of type 2 diabetes. *bioRxiv : the preprint server for biology*.

Sakata N, et al. (2024) Influence of relatively short-term culture on adult porcine islets for xenotransplantation. *Scientific reports*, 14(1), 11640.

Kong C, et al. (2024) The role of mu-opioid receptors in pancreatic islet alpha cells. *bioRxiv : the preprint server for biology*.

Sviben S, et al. (2024) Immuno-scanning electron microscopy of islet primary cilia. *Journal of cell science*, 137(20).