

Resource Summary Report

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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>

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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, organization portal, portal, resource

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: 20260903T235815+0000

Ratings and Alerts

- Used for TCR:BCR Tool by the Human Islet Research Network community.
Contact(s): [Diane Saunders](#), [Marcela Brissova](#), [John Walker](#), [Dale Greiner](#), [Al Powers](#) - Human Islets Research Network <https://hirnetwork.org/>

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

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 323 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Dickerson MT, et al. (2026) Glycolytic activation of β -cell Na^+/K^+ -ATPases containing $\beta 1$ -subunits accelerates Na^+ extrusion, prolonging the duration of Ca^{2+} oscillations but decreasing insulin secretion. *Molecular metabolism*, 103, 102296.

Bru-Tari E, et al. (2026) β -Cell Obligation in β -Cell Glucagon Response to Low Glucose. *Research square*.

Liu QR, et al. (2026) Cell type-specific expression and subcellular localization of the human insulin upstream open reading frame (INSU) protein in pancreatic β -cells. *The Journal of biological chemistry*, 302(7), 113209.

Koepke J, et al. (2026) Vascular Destabilization and Pericyte Detachment are Mediated by hIAPP Aggregation in Transgenic Mice. *bioRxiv : the preprint server for biology*.

Contreras CJ, et al. (2026) RIPK1 regulates β -cell fate via actions on gene expression and kinase signaling in a mouse model of β -cell self-reactivity. *Cell death & disease*, 17(1), 220.

Wang L, et al. (2026) Predictive prioritization of enhancers associated with pancreatic disease risk. *Cell genomics*, 6(1), 101040.

Okino ML, et al. (2026) Functional genomics reveals mediators of beta cell survival in ER stress and type 2 diabetes risk. *bioRxiv : the preprint server for biology*.

Bandesh K, et al. (2026) Deep single-cell decoding of human pancreatic islets reveals T2D β -cell gene expression defects. *The EMBO journal*, 45(11), 3978.

Melena I, et al. (2026) Primary cilia regulate GLP-1 signaling in pancreatic β cells. *Molecular metabolism*, 107, 102357.

Dobson JR, et al. (2026) The diabetes-associated K^+ channel TALK-2 controls human beta cell endoplasmic reticulum Ca^{2+} handling, which promotes basal insulin release and limits glucose-stimulated insulin secretion. *Diabetologia*, 69(6), 1581.

Hogan MF, et al. (2026) Human islet amyloid polypeptide aggregation upregulates the mitochondrial cholesterol transport protein StAR and induces mitochondrial dysfunction in beta cells. *Diabetologia*, 69(8), 2294.

Stis AE, et al. (2026) Biosensor Cell Array Reveals Temporal GABA Secretion Dynamics from Pancreatic Islets. *bioRxiv : the preprint server for biology*.

Enriquez JR, et al. (2026) Messenger RNA delivery to islet β cells using conjugated lipid nanoparticles. *Cell reports. Medicine*, 7(3), 102634.

Landry LG, et al. (2026) Quantitative V gene-targeted T cell receptor sequencing as a biomarker in type 1 diabetes. *JCI insight*, 11(3).

Zhu W, et al. (2026) SEL1L-HRD1 ER-associated degradation facilitates prohormone convertase 2 maturation and glucagon production in islet β cells. *Nature communications*, 17(1).

Syed F, et al. (2026) Beta cell microRNAs function as molecular hubs of type 1 diabetes pathogenesis and as biomarkers of diabetes risk. *Diabetologia*, 69(7), 1975.

Wagner LE, et al. (2026) A mitochondrial ROS-dependent antiviral response promotes β cell resilience and is diminished in donors with type 1 diabetes. *Science translational medicine*, 18(850), eadx7770.

Melnyk O, et al. (2026) Real-time in vivo analysis of murine β cells reveals autophagic flux defects before onset of autoimmune diabetes. *Science translational medicine*, 18(850), eadj4902.

Perkins CM, et al. (2026) Transcriptomic Analyses of Normal Human Pancreata Reveal the Presence of Cancer Subtypes that Correlate with Acinar Ductal Metaplasia and Donor Ancestry. *Cancer research communications*, 6(1), 165.

Archambeau A, et al. (2026) Dielectrophoresis reveals stimulus-induced remodeling of insulin granule subpopulations. *Biophysical journal*, 125(11), 2718.