Resource Summary Report

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Islet Cell Resource Centers

RRID:SCR_002806
Type: Tool

Proper Citation

Islet Cell Resource Centers (RRID:SCR_002806)

Resource Information

URL: http://icr.coh.org/

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Description: Group of 10 academic laboratories provide pancreatic islets of cGMP-quality to eligible investigators for use in FDA approved, IRB-approved transplantation protocols in which isolated human islets are transplanted into qualified patients afflicted with type 1 diabetes mellitus; optimize the harvest, purification, function, storage, and shipment of islets while developing tests that characterize the quality and predict the effectiveness of islets transplanted into patients with diabetes mellitus; and provide pancreatic islets for basic science studies. The centers are electronically linked through an Administrative and Bioinformatics Coordinating Center (ABCC). The ABCC manages a system with objectively defined criteria that establishes the order of priority for islet distribution. It also provides database and other informatics to track the utilization of pancreata and all distributed clinical grade islets for transplant and basic research, and supports the Islet Cell Resource Centers Consortium so that the research community has a single entry point to the program. Qualified researchers from domestic institutions may request islets by submitting a written application to the director of the ABCC. The ICRs will distribute Islets as appropriate for either clinical or basic science protocol use to eligible investigators who have received a favorable review and subsequent approval by the ICR Steering Committee (SC). The Administrative and Bioinformatics Coordinating Center (ABCC) manages the distribution according to a priority list. The ABCC will give preference to investigators who have peer-reviewed, NIH-funded research support.

Abbreviations: ICR

Resource Type: material resource, biomaterial supply resource, cell repository

Keywords: pancreatic islet, clinical

Related Condition: Type 1 diabetes, Diabetes

Funding: NIDDK ;
Juvenile Diabetes Research Foundation International ;
NCRR 1 U42 RR17673

Availability: Free, Freely available, Available for download

Resource Name: Islet Cell Resource Centers

Resource ID: SCR_002806

Alternate IDs: nif-0000-25418

Record Creation Time: 20220129T080215+0000

Record Last Update: 20260804T043151+0000

Ratings and Alerts

No rating or validation information has been found for Islet Cell Resource Centers .

No alerts have been found for Islet Cell Resource Centers .

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 123 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Zhao W, et al. (2019) ETS1 targets RYBP transcription to inhibit tumor cell proliferation. Biochemical and biophysical research communications, 509(3), 810.

Zhu B, et al. (2019) Inhibition of Autophagy with Chloroquine Enhanced Sinoporphyrin Sodium Mediated Photodynamic Therapy-induced Apoptosis in Human Colorectal Cancer Cells. International journal of biological sciences, 15(1), 12.

Fan D, et al. (2019) An Engineered Fusion Protein Anti-CD19(Fab)-LDM Effectively Inhibits ADR-Resistant B Cell Lymphoma. Frontiers in oncology, 9, 861.

Wang ZF, et al. (2019) Glioma stem cells-derived exosomal miR-26a promotes angiogenesis of microvessel endothelial cells in glioma. Journal of experimental & clinical cancer research : CR, 38(1), 201.

Zhang X, et al. (2019) Autophagy Induced by Oxygen-Glucose Deprivation Mediates the Injury to the Neurovascular Unit. Medical science monitor : international medical journal of experimental and clinical research, 25, 1373.

Yu S, et al. (2019) RBCK1 promotes p53 degradation via ubiquitination in renal cell carcinoma. Cell death & disease, 10(4), 254.

Guo Y, et al. (2019) Tetrandrine-Induced Autophagy in MDA-MB-231 Triple-Negative Breast Cancer Cell through the Inhibition of PI3K/AKT/mTOR Signaling. Evidence-based complementary and alternative medicine : eCAM, 2019, 7517431.

Sun W, et al. (2019) Improvement in affinity and thermostability of a fully human antibody against interleukin-17A by yeast-display technology and CDR grafting. Acta pharmaceutica Sinica. B, 9(5), 960.

Ding P, et al. (2019) Solutol®HS15+pluronicF127 and Solutol®HS15+pluronicL61 mixed micelle systems for oral delivery of genistein. Drug design, development and therapy, 13, 1947.

Zhang L, et al. (2019) Atorvastatin Exerts Antileukemia Activity via Inhibiting Mevalonate-YAP Axis in K562 and HL60 Cells. Frontiers in oncology, 9, 1032.

Li F, et al. (2019) The effect of BACE1-AS on ?-amyloid generation by regulating BACE1 mRNA expression. BMC molecular biology, 20(1), 23.

Sui A, et al. (2019) The histone H3 Lys 27 demethylase KDM6B promotes migration and invasion of glioma cells partly by regulating the expression of SNAI1. Neurochemistry international, 124, 123.

Wang B, et al. (2019) Hepatitis B virus infection is not associated with fatty liver disease: Evidence from a cohort study and functional analysis. Molecular medicine reports, 19(1), 320.

Shi M, et al. (2019) Protective Effects of Oridonin on Acute Liver Injury via Impeding Posttranslational Modifications of Interleukin-1 Receptor-Associated Kinase 4 (IRAK4) in the Toll-Like Receptor 4 (TLR4) Signaling Pathway. Mediators of inflammation, 2019, 7634761.

Wang YW, et al. (2019) miR-4732-5p promotes breast cancer progression by targeting TSPAN13. Journal of cellular and molecular medicine, 23(4), 2549.

Zhou L, et al. (2019) Alpha-lipoic acid alleviated 6-OHDA-induced cell damage by inhibiting AMPK/mTOR mediated autophagy. Neuropharmacology, 155, 98.

Luo F, et al. (2019) microRNA-222 promotes colorectal cancer cell migration and invasion by targeting MST3. FEBS open bio, 9(5), 901.

Xu C, et al. (2019) Biogenic selenium nanoparticles synthesized by Lactobacillus casei ATCC 393 alleviate intestinal epithelial barrier dysfunction caused by oxidative stress via Nrf2 signaling-mediated mitochondrial pathway. International journal of nanomedicine, 14, 4491.

Zhang Y, et al. (2018) Effect and mechanism of dioscin from Dioscorea spongiosa on uric acid excretion in animal model of hyperuricemia. Journal of ethnopharmacology, 214, 29.

Fang H, et al. (2018) RecQL4-Aurora B kinase axis is essential for cellular proliferation, cell cycle progression, and mitotic integrity. Oncogenesis, 7(9), 68.