

Priva	Iwama	2022-03-31	Human expandable pancreatic progenitor-derived β cells ameliorate diabetes	35196077
Ben	Vandekerck	2022-03-01	Islet methylation potential is insensitive to foetal availability	
Amenda	Ruhaardjo	2022-03-03	PTPN22 Regulates the Interferon Signaling and Endoplasmic Reticulum Stress Response in Pancreatic β -Cells in Autoimmune Diabetes	35044456
Daemon	Cline	2022-02-17	A Novel Variant of PTPN22 Substrate Kinase Regulates Islet Function	34886593
Yueh	Zou	2022-02-15	The nutrient sensor mTORC1 regulates insulin secretion by modulating β -cell autophagy	34882301
Jamie	Chu	2022-02-10	Neonatal diabetes mutations disrupt a chromatin pioneering function that activates the human insulin gene	33855261
Amenda	Ruhaardjo	2022-02-03	PTPN22 Regulates the Interferon Signaling and Endoplasmic Reticulum Stress Response in Pancreatic β -Cells in Autoimmune Diabetes	35044456
Samantha	Yoon	2022-02-08	Insulin Signaling in Taryocytes Gates Hypothalamic Insulin Uptake and Regulation of AgRP Neuron Activity	34931084
Alexander	Garner	2022-01-27	RFX5-mediated dysregulation defines human β -cell dysfunction in early type 2 diabetes	
Lian	Hui	2022-01-29	Alta of essential metabolites reveals time-dependent signatures of metabolic homeostasis	
Samaidha	Kar	2022-01-18	ENTPD4 Marks Mature Stem Cell-Derived β -Cells Formed by Self-Aggregation <i>In Vivo</i>	PMC856403
Natalie	Nahmley	2022-01-13	Tolerance to Proinsulin-1 Reduce Autoimmune Diabetes in NOD mice	33841427
Noa	Gang	2021-12-07	Investigating potential cross-talk between HF1 and AHR signaling in pancreatic beta-cells	
Neily	Saber	2021-12-09	Insulin expression and C-peptide in type 1 diabetes subjects implanted with stem cell-derived pancreatic endocrine cells in an encapsulation device	34292744
Mikky	Atsar	2021-12-02	Enzymatic activation of pyruvate kinase increases cytosolic oxaloacetate to inhibit the Warburg effect	34292744
Samantha	Mar	2021-11-20	Characterizing the role of gene regulator Mafk1 in pancreatic alpha cells	
Peter	Overyby	2021-11-18	ARTICLE Activated but functionally impaired memory Tregs are expanded in slow progressors to type 1 diabetes	34708423
Mitchell	Bram	2021-11-04	A therapeutic convection-enhanced macroencapsulation device for enhancing β cell viability and insulin secretion	
Rueyn	Galant	2021-11-02	Coordinated interactions between endothelial cells and macrophages in the islet microenvironment promote β cell regeneration	https://doi.org/10.1038/s41436-021-00129-2
Helen	Huang	2021-10-26	Utilizing CD19 as a selection marker for the scalable production of stem cell derived β -cells	
Anvi	Zhang	2021-10-28	Insulin protects acinar cells during pancreatitis by preserving glycolytic ATP supply to calcium pumps	34282152
Marius	Woodley	2022-10-25	Dual Treg-expressing progenitors contribute to adult β cell regeneration in the pancreas	34478642
Emily	Wilts	2021-10-15	Injectable hydrogels for islet transplantation: a concise review	
Austin	Taylor	2021-10-05	Lipid Droplets Protect Human β Cells from Lipotoxic-Induced Stress and Cell Identity Changes	34439303
Jia	Zhao	2021-09-30	Generation of pancreatic progenitors from human pluripotent stem cells by small molecules	34450237
Jocelyn	Begin	2021-09-21	Neonatal exposure to a wild-derived microbiome protects mice against diet-induced obesity	
Aurora	Mattison	2021-09-23	Loss of Secretory Pathway Ca ²⁺ -ATPase (SPCA1) Impairs Insulin Secretion and Reduces Autophagy in the Pancreatic Islet	
Maria	Slavice	2021-08-18	Insulin is an adipocrine that promotes glucose uptake and improves glucose tolerance and hepatic steatosis	34348115
Jelena	Kotic	2021-08-02	Sex- and age-dependent outcomes of a four-week restricted feeding of a Western high-fat high-sucrose diet in C57BL/6J mice	34407415
Lina	Zhan	2021-08-26	ZBED6 counteracts high-fat diet-induced glucose intolerance by maintaining beta cell area and reducing excess mitochondrial activation	34296303
Wan	Wen	2021-08-19	The sugar-responsive enteroneuroenic neuropeptide F regulates lipid metabolism through glucagon-like and insulin-like hormones in <i>Drosophila melanogaster</i>	34376887
Ergany	Punthirakul	2021-08-05	Pancreatic Ppy-expressing γ -cells display mixed phenotypic traits and the adaptive plasticity to engage insulin production	34294885
Howard	Can	2021-07-22	Akt phosphorylates insulin receptor substrate to limit PI3K-mediated PIP3 synthesis	34252390
Shenghui	Liang	2021-07-08	CD82 is a marker to isolate β cell precursors from human IPS cells and plays a role for the maturation of β cells	33952224
Daniel	Zhang	2021-06-29	A 3D system to model human pancreas development and to reference single-cell transcriptome atlas identify signaling pathways required for progenitor expansion	34032579
Jason	Millington	2021-06-17	Gut-brain communication by distinct sensory neurons differentially controls feeding and glucose metabolism	34045343
Ben	Vandekerck	2021-06-15	Reinforcing one-carbon metabolism via folate acCoF1 promotes β -cell differentiation	34069692
Daniel	Pesula	2021-06-01	Mitofusins 1 and 2 collaborate to fuel pancreatic beta cell insulin release via regulation of both mitochondrial structure and DNA content	
Alexander	Garner	2021-05-27	Heterogeneous impairment of α -cell function in type 2 diabetes is linked to cell maturation state	
Marcus	Woodley	2021-05-18	Cell Engineering Approaches to the Improvement of <i>In Vivo</i> β -Cell Development	
Stella	Baehring	2021-05-20	Bran insulin sensitivity is linked to adiposity and body fat distribution	33296088
Queenie	Hui	2021-05-13	Alpha to beta cell conversion in the postpartum mouse pancreas involves Irf5 progeny	33906911
Dan	Gamu	2021-05-04	Tipping a HAT to Brown Fat: Examination of HK27 Acetyltransferases in Thermogenic Adipose Tissues	
Neily	Saber	2021-05-06	Circulation of glucokinase linked to autoimmune diabetes	
Peter	Overyby	2021-04-29	CRISPR-based genome editing in primary human pancreatic islet cells	33892274
Mikky	Atsar	2021-04-22	FoxO1 inhibition alleviates type 2 diabetes-related diastolic dysfunction by increasing myocardial pyruvate dehydrogenase activity	
Rueyn	Galant	2021-04-20	Fern and binding protein 4 promotes autoimmune diabetes by recruitment and activation of pancreatic islet macrophages	10.1173/jci.insight.141814
Helen	Huang	2021-04-27	Functional, metabolic and transcriptional maturation of stem cell derived beta cells	
Emily	Wilts	2021-04-15	Polymeric Approaches to Reduce Tissue Responses Against Devices Applied for Islet-Cell Encapsulation	
Anvi	Zhang	2021-04-08	Single-Nucleus and <i>In Situ</i> RNA-Sequencing Reveal Cell Topographies in the Human Pancreas	33212507
Samantha	Mar	2021-04-06	REST is a major negative regulator of endocrine differentiation during pancreas organogenesis	This article is a preprint.
Mitchell	Bram	2021-04-01	Pre-existing beta cells but not progenitors contribute to new beta cells in the adult pancreas	https://doi.org/10.1038/s41436-021-00066-4
Austin	Taylor	2021-03-30	Prohormone processing enzyme FoxO1 and FoxO2 in beta-cell function and glucose homeostasis	
Jimmy	Yang	2021-03-25	GP mediates the insulin effect and glucose tolerance by dual actions on α cells and β cells	33712486
Yi-Chun	Chan	2021-03-23	Islet prohormone processing enzymes in glucose metabolism and diabetes	
Aurora	Mattison	2021-03-18	FOXO1-LOW MAFA-LOW β -cells contribute to islet function and insulin release	33514698
Jocelyn	Begin	2021-03-18	Metabolic regulation of chromatin structure and gene expression in a western diet mouse model	
Lindsay	Palko	2021-03-09	Glucagon blockade restores functional β -cell mass in type 1 diabetic mice and enhances function of human islets	33619103
Daniel	Zhang	2021-03-07	Block of the master of type 2 diabetes susceptibility gene CNK10 in beta cell differentiation in human	
Jelena	Kotic	2021-03-04	Combinatorial transcription factor profiles predict mature and functional human islet α and β cells	none yet. This is a pre-print.
Yueh	Zou	2021-02-23	An autophagy enhancer ameliorates diabetes of human APP-transgenic mice through clearance of amyloidogenic oligomer	PMC779419
Shogo	Iida	2021-02-25	Glucagon Resistance and Decreased Susceptibility to Diabetes in a Model of Chronic Hyperglycaemia	33294450
Lianna	Wath	2021-02-18	An isocaloric moderately high-fat diet extends lifespan in male rats and <i>Drosophila</i>	33440166
Soo	Skeosis	2021-02-11	Insulin counteracts insulin signalling in β -cells to control glycaemia	
Samantha	Yoon	2021-02-09	Hypothalamic REY CRE nuclear receptors control dietary food intake and leptin sensitivity in diet-induced obese mice	https://doi.org/10.1038/s41436-021-02025-2
Ben	Vandekerck	2021-02-02	H3K9 Methylation in β -cells Prevents Transcriptional Downregulation and Variance Associated with Type 2 Diabetes	33021965
Priva	Iwama	2021-02-04	Aberrant development of pancreatic beta cells derived from human PSCs with FOXA2 deficiency	33473118
Ergany	Punthirakul	2021-01-28	Mitochondrial gene expression in single cells shape pancreatic beta cells' sub-populations and explain variation in insulin pathway	33432158
Daniel	Pesula	2021-01-28	Anti-apoptotic Bcl-xL preserves the transcriptional, morphological and functional integrity of β -cell mitochondria during chronic hyperglycaemia	
Jia	Zhao	2021-01-21	A Nutrient-Sensing Transition at Birth Triggers Glucose-Responsive Insulin Secretion	32375022
Howard	Can	2021-01-14	Mutational profiling of early human pancreatic islet clones reveals heterogeneous beta cell trajectories toward type 2 diabetes	NA
Maria	Slavice	2020-12-17	Wsp1 is a circulating factor that stimulates proliferation of adult mouse and human beta cells	33259617
Daemon	Cline	2020-12-10	UCP1-independent glucose-lowering effect of leptin in type 1 diabetes: only in conditions of hypoleptinemia	31743040
Yuka	Obayashi	2020-12-08	Investigating the role of TrxG complex and H3K4 methylation in the hippocampal memory formation.	
Jason	Millington	2020-12-03	Ovariectomy uncouples lifespan from metabolic health and reveals a sex hormone-dependent role of hepatic mTORC2 in aging	32720643
Dan	Gamu	2020-12-01	Human Brown Adipocyte Thermogenesis Is Driven by β -AR Stimulation	32759508
Shogo	Suzuki	2020-11-24	Ca ²⁺ signaling switch in β cells defines insulin effectiveness in diabetes	32769482
Rueyn	Galant	2020-11-17	Resident Islet Macrophages and their Role in Beta Cell Stress	
Shenghui	Liang	2020-11-19	A method for the generation of human stem cell-derived alpha cells	32382023
Jamie	Chu	2020-11-05	Aberrant methylation underlies insulin gene expression in human isletoma	https://doi.org/10.1038/s41436-020-1883-8
Alexander	Garner	2020-10-29	Pancreatic regulation of somatostatin secretion by insulin and glucagon in mouse pancreatic islets	33043402
Stella	Baehring	2020-10-22	Insulin synthesized in the paraventricular nucleus of the hypothalamus regulates pituitary growth hormone production	10.1173/jci.insight.135412
Heather	Davatche	2020-10-27	Does amyloid affect the local microenvironment? Implications for beta-cell function and autoimmunity	
Marius	Woodley	2020-10-20	Human β Cells Expressing a CD19 CAR-T Receptor Provide Insights into Mechanisms of Human CD19-Positive β Cell Destruction	
Queenie	Hui	2020-10-15	Topologically selective islet vulnerability and self-sustained downregulation of markers for β -cell maturity in streptozotocin-induced diabetes	32999405
Yueh	Zou	2020-10-06	Short-term inhibition of autophagy benefits pancreatic β -cells by augmenting ether lipids and peroxisomal function, and by countering depletion of n.3 polyunsaturated fatty acids after 6	33504484
Peter	Overyby	2020-10-08	Mitochondrial Oxidative Damage Underlies Regulatory T Cell Defects in Autoimmunity	32738205
Neily	Saber	2020-10-01	Intraovine Testosterone Activation in Human Pancreatic β -Cells Stimulates Insulin Secretion	32855171
Austin	Taylor	2020-09-29	Unbiased Profiling of the Human Pancreatic Islet Transcriptome Reveals a Role for Peroxisomal α -in Proteins in Folding	32457219
Janellyn	Begin	2020-09-23	Epigenetic markers associated with metabolic response and intolerance in drug-naïve patients with type 2 diabetes	
Michael	Atsar	2020-09-24	Protective effects of subtherapeutic type 2 diabetes-induced cardiomyopathy via AMPK-mediated activation of lipid metabolic pathways and NRP2 function	31706979
Anvi	Zhang	2020-09-17	Heterogeneous Effects of Calorie Content and Nutritional Components Underlie Dietary Influence on Pancreatic Cancer Susceptibility	32668252
Daniel	Zhang	2020-09-15	Zonation of Pancreatic Acinar Cells in Diabetic Mice	PMC7443616
Mitchell	Bram	2020-09-10	A Specialized Niche in the Pancreatic Microenvironment Promotes Endocrine Differentiation	32857561
Yi-Chun	Chan	2020-09-08	Single-Cell Transcription Profiling Reveals β Cell Maturation in Stem Cell-Derived Islets after Transplantation	32848125
Paul	Benorone	2020-09-03	Immune analysis human islet-the organoids ameliorate diabetes	32814922
Shogo	Iida	2020-08-20	Hyperglycaemia is associated with impaired muscle signaling and aerobic adaptation to exercise	32694831
Ergany	Punthirakul	2020-08-13	A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids	32578800
Aurora	Wat	2020-07-30	An Insulin-Sensitive Circular RNA that Regulates Lifespan in <i>Drosophila</i>	32592682
Lianna	Mattison	2020-08-23	Dietary carbohydrates modulate metabolic and β -cell adaptation to high-fat diet-induced obesity	32512211