

Date	Name (First)	Name (Last)	Paper/WIP	Title of Paper or Work In Progress
2021-09-23	Aurora	Mattsson	Paper	Loss of Secretory Pathway Ca ²⁺ -ATPase (SPCA1) Impairs Insulin Secretion and Reduces Autophagy in the Pancreatic Islet
2021-09-16	Maria	Glavas	Paper	Isthmin-1 is an adipokine that promotes glucose uptake and improves glucose tolerance and hepatic steatosis
2021-09-02	Jelena	Kolic	Paper	Sex- and age-dependent outcomes of 9-hour time-restricted feeding of a Western high-fat high-sucrose diet in C57BL/6J mice
2021-08-26	Lisa	Zhan	Paper	ZBED6 counteracts high-fat diet-induced glucose intolerance by maintaining beta cell area and reducing excess mitochondrial activation
2021-08-19	Lianna	Wat	Paper	The sugar-responsive enterohormone neuropeptide F regulates lipid metabolism through glucagon-like and insulin-like hormones in <i>Drosophila melanogaster</i>
2021-08-05	Evgeniy	Panzhinsky	Paper	Pancreatic Ppy-expressing γ -cells display mixed phenotypic traits and the adaptive plasticity to engage insulin production
2021-07-29	Jia	Zhao	Paper	A nanofibrous encapsulation device for safe delivery of insulin-producing cells to treat type 1 diabetes
2021-07-22	Howard	Cen	Paper	AK1 phosphorylates insulin receptor substrate to limit PI3K-mediated PIP3 synthesis
2021-07-08	Shenghui	Liang	Paper	CD62 is a marker to isolate β cell precursors from human IPS cells and plays a role for the maturation of β cells
2021-06-29	Dahai	Zhang	Paper	A 3D system to model human pancreas development and its reference single-cell transcriptome atlas identify signaling pathways required for progenitor expansion
2021-06-17	Jason	Millington	Paper	Gut-brain communication by distinct sensory neurons differently controls feeding and glucose metabolism
2021-06-15	Ben	Vanderkruk	Paper	Reinforcing one-carbon metabolism via folic acid/Folr1 promotes β -cell differentiation
2021-06-01	Daniel	Passula	Paper	Mitofusins 1 and 2 collaborate to fuel pancreatic beta cell insulin release via regulation of both mitochondrial structure and DNA content
2021-05-27	Alexander	Gamer	Paper	Heterogenous impairment of α -cell function in type 2 diabetes is linked to cell maturation state
2021-05-18	Marcus	Woodley	Work In Progress	Cell Engineering Approaches for the Improvement of In Vitro β -Cell Development
2021-05-20	Stella	Baehring	Paper	Brain insulin sensitivity is linked to adiposity and body fat distribution
2021-05-13	Queenie	Hui	Paper	Alpha to beta cell conversion in the postpartum mouse pancreas involves Igr3 progeny
2021-05-04	Dan	Gamu	Work In Progress	Tipping a HAT to Brown Fat: Examination of H3K27 Acetyltransferases in Thermogenic Adipose Tissues
2021-05-06	Peter	Overby	Paper	Circulation of glucokinase linked to autoimmune diabetes
2021-04-29	Nelly	Saber	Paper	CRISPR-based genome editing in primary human pancreatic islet cells
2021-04-22	Mikky	Aser	Paper	FoxO1 inhibition alleviates type 2 diabetes-related diastolic dysfunction by increasing myocardial pyruvate dehydrogenase activity
2021-04-20	Raelyn	Gallant	Paper	Fatty acid binding protein 4 promotes autoimmune diabetes by recruitment and activation of pancreatic islet macrophages
2021-04-27	Helen	Huang	Paper	Functional, metabolic and transcriptional maturation of stem cell derived beta cells
2021-04-15	Emily	Wilts	Paper	Polymeric Approaches to Reduce Tissue Responses Against Devices Applied for Islet-Cell Encapsulation
2021-04-08	Anni	Zhang	Paper	Single-Nucleus and In Situ RNA-Sequencing Reveal Cell Topographies in the Human Pancreas
2021-04-06	Samantha	Mar	Paper	REST is a major negative regulator of endocrine differentiation during pancreas organogenesis
2021-04-01	Mitchell	Braam	Paper	Pre-existing beta cells but not progenitors contribute to new beta cells in the adult pancreas
2021-03-30	Austin	Taylor	Work In Progress	Prohormone processing enzymes Pcsk1 and Pcsk2 in beta-cell function and glucose homeostasis
2021-03-25	Jenny	Yang	Paper	GIP mediates the incretin effect and glucose tolerance by dual actions on α cells and β cells
2021-03-23	Yi-Chun	Chen	Work In Progress	Islet prohormone processing enzymes in glucose metabolism and diabetes
2021-03-18	Aurora	Mattsson	Paper	PDX1-LOW MAF-A-LOW β -cells contribute to islet function and insulin release
2021-03-16	Jocelyn	Begin	Work In Progress	Metabolic regulation of chromatin structure and gene expression in a western diet mouse model
2021-03-09	Lindsay	Pallo	Paper	Glucagon blockade restores functional β -cell mass in type 1 diabetic mice and enhances function of human islets
2021-03-02	Dahai	Zhang	Work In Progress	Study of the impact of type 2 diabetes susceptibility gene CDKAL1 on beta cell differentiation in human
2021-03-04	Jelena	Kolic	Paper	Combinatorial transcription factor profiles predict mature and functional human islet α and β cells
2021-02-23	Yuanjie	Zou	Work In Progress	An autophagy enhancer ameliorates diabetes of human APP-transgenic mice through clearance of amyloidogenic oligomer
2021-02-25	Shogo	Ida	Paper	Glucagon Resistance and Decreased Susceptibility to Diabetes in a Model of Chronic Hyperglucagonemia
2021-02-18	Lianna	Wat	Paper	An isocaloric moderately high-fat diet extends lifespan in male rats and <i>Drosophila</i>
2021-02-11	Sos	Skovso	Paper	Investor counteracts insulin signalling in b-cells to control glycaemia
2021-02-09	Samantha	Yoon	Paper	Hypothalamic REV-ERB nuclear receptors control diurnal food intake and leptin sensitivity in diet-induced obese mice
2021-02-02	Ben	Vanderkruk	Work In Progress	H3K4 Methylation in β -cells Prevents Transcriptional Downregulation and Variance Associated with Type 2 Diabetes
2021-02-04	Pritye	Iworiwa	Paper	Aberrant development of pancreatic beta cells derived from human iPSCs with FOXA2 deficiency
2021-01-28	Evgeniy	Panzhinsky	Paper	Mitochondrial gene expression in single cells shape pancreatic beta cells' sub-populations and explain variation in insulin pathway
2021-01-26	Daniel	Passula	Work In Progress	Anti-apoptotic Bcl-xL preserves the transcriptional, morphological and functional integrity of β -cell mitochondria during chronic hyperglycemia
2021-01-21	Jia	Zhao	Paper	A Nutrient-Sensing Transition at Birth Triggers Glucose-Responsive Insulin Secretion
2021-01-14	Howard	Cen	Paper	Multi-omics profiling of living human pancreatic islet donors reveals heterogeneous beta cell trajectories toward type 2 diabetes
2020-12-17	Maria	Glavas	Paper	Wsp1 is a circulating factor that stimulates proliferation of adult mouse and human beta cells
2020-12-10	Daemon	Cline	Paper	UCP1-independent glucose-lowering effect of leptin in type 1 diabetes: only in conditions of hypoleptinemia
2020-12-08	Yuka	Obayashi	Work In Progress	Investigating the role of TrxG complex and H3K4 methylation in the hippocampal memory formation.
2020-12-03	Jason	Millington	Paper	Ovarectomy uncouples lifespan from metabolic health and reveals a sex-hormone-dependent role of hepatic mTORC2 in aging
2020-12-01	Dan	Gamu	Paper	Human Brown Adipocyte Thermogenesis Is Driven by β 2-AR Stimulation
2020-11-24	Shugo	Sasaki	Paper	Gs/Gq signaling switch in β cells defines incretin effectiveness in diabetes
2020-11-17	Raelyn	Gallant	Work In Progress	Resident Islet Macrophages and their Role in Beta Cell Stress
2020-11-19	Shenghui	Liang	Paper	A method for the generation of human stem cell-derived alpha cells
2020-11-05	Jamie	Chu	Paper	Aberrant methylation underlies insulin gene expression in human insulinoma
2020-10-29	Alexander	Gamer	Paper	Paracrine regulation of somatostatin secretion by insulin and glucagon in mouse pancreatic islets
2020-10-22	Stella	Baehring	Paper	Insulin synthesized in the paraventricular nucleus of the hypothalamus regulates pituitary growth hormone production
2020-10-27	Heather	Denroche	Work In Progress	Islet amyloid alters the local immune environment: implications for beta-cell function and autoimmunity
2020-10-20	Marcus	Woodley	Paper	Human T Cells Expressing a CD19 CAR-T Receptor Provide Insights into Mechanisms of Human CD19-Positive b Cell Destruction
2020-10-15	Queenie	Hui	Paper	Topologically selective islet vulnerability and self-sustained downregulation of markers for β -cell maturity in streptozotocin-induced diabetes
2020-10-06	Yuanjie	Zou	Paper	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 fat-feeding
2020-10-08	Peter	Overby	Paper	Mitochondrial Oxidative Damage Underlies Regulatory T Cell Defects in Autoimmunity
2020-10-01	Nelly	Saber	Paper	Intracrine Testosterone Activation in Human Pancreatic β -Cells Stimulates Insulin Secretion
2020-09-29	Austin	Taylor	Paper	Unbiased Profiling of the Human Proinsulin Biosynthetic Interaction Network Reveals a Role for Peroxiredoxin 4 in Proinsulin Folding
2020-09-22	Jocelyn	Begin	Paper	Epigenetic markers associated with metformin response and intolerance in drug-naïve patients with type 2 diabetes
2020-09-24	Michael	Aser	Paper	Protective effects of sulforaphane on type 2 diabetes-induced cardiomyopathy via AMPK-mediated activation of lipid metabolic pathways and NRF2 function
2020-09-17	Anni	Zhang	Paper	Heterogeneous Effects of Calorie Content and Nutritional Components Underlie Dietary Influence on Pancreatic Cancer Susceptibility
2020-09-15	Dahai	Zhang	Paper	Zonation of Pancreatic Ainar Cells in Diabetic Mice
2020-09-10	Mitchell	Braam	Paper	A Specialized Niche in the Pancreatic Microenvironment Promotes Endocrine Differentiation
2020-09-08	Yi-Chun	Chen	Paper	Single-Cell Transcriptome Profiling Reveals β Cell Maturation in Stem Cell-Derived Islets after Transplantation
2020-09-03	Paul	Belmonte	Paper	Immune-evasive human islet-like organoids ameliorate diabetes
2020-08-20	Shogo	Ida	Paper	Hyperglycaemia is associated with impaired muscle signalling and aerobic adaptation to exercise
2020-08-13	Evgeniy	Panzhinsky	Paper	A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids
2020-07-30	Lianna	Wat	Paper	An Insulin-Sensitive Circular RNA that Regulates Lifespan in <i>Drosophila</i>
2020-08-23	Aurora	Mattsson	Paper	Dietary carbohydrates modulate metabolic and β -cell adaptation to high-fat diet-induced obesity