

Date	Name (First)	Name (Last)		Title of Paper or Work In Progress	PMID
2023-03-09	Amanda	Rahardjo	Paper	A single-cell human islet interactome atlas identifies disrupted autocrine and paracrine communications in type 2 diabetes	36415826
2023-03-07	Jane	Velghe	Paper	Single-cell multi-omics analysis of human pancreatic islets reveals novel cellular states in type 1 diabetes	35228745
2023-03-02	Amanda	Rahardjo	Paper	Palmitoylation couples insulin hypersecretion with β cell failure in diabetes	36634673
2023-03-02	Jelena	Kolic	Paper	Palmitoylation couples insulin hypersecretion with beta cell failure in diabetes	36634673
2023-02-28	Daniel	Pasula	Paper	Clearance of p16Ink4a-positive cells in a mouse transgenic model does not change β -cell mass and has limited effects on their proliferative capacity	36640267
2023-02-23	Colin	Miller	Paper	A fluorescent perilipin 2 knock-in mouse model visualizes lipid droplets in the developing and adult brain	
2023-02-09	Puja	Biswas	Work In Progress	Insulin signaling pathway promotes increased body fat in female Drosophila	
2023-02-07	Samantha	Mar	Paper	Inhibition of stearyl-CoA desaturase 1 in the mouse impairs pancreatic islet morphogenesis and promotes loss of β -cell identity and α -cell expansion in the mature pancreas	36529318
2023-01-26	Howard	Cen	Paper	The dynamic clustering of insulin receptor underlies its signaling and is disrupted in insulin resistance	36473871
2023-01-24	Marcus	Woodley	Paper	Pancreatic alpha cell glucagon-liver FGF21 axis regulates beta cell regeneration in a mouse model of type 2 diabetes	36331598
2023-01-17	Ekaterina	Filatov	Paper	Co-transplantation of pancreatic islets and microvascular fragments effectively restores normoglycemia in diabetic mice	36333332
2022-12-06	Lucas	Starchuk	Work In Progress	Targeting pro-inflammatory macrophage metabolism in diabetes	
2022-12-01	Nilou	Noursadeghi	Paper	Glucocorticoid signaling in pancreatic islets modulates gene regulatory programs and genetic risk of type 2 diabetes	
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2022-11-22	Vriti	Bhagat	Paper	14-3-3-zeta mediates GLP-1 receptor agonist action to alter α cell proglucagon processing	35867787
2022-11-08	Lindsay	Pallo	Paper	Preclinical evaluation of a precision medicine approach to DNA vaccination in type 1 diabetes	35385352
2022-10-27	Priye	Iworima	Paper	Mitochondrial homeostasis regulates definitive endoderm differentiation of human pluripotent stem cells	
2022-10-25	Ji Soo (Samantha)	Yoon	Work In Progress	The role of activity-regulated gene NPAS4 in hypothalamic POMC neurons	
2022-10-18	Dan	Gamu	Paper	Exercise training enhances muscle mitochondrial metabolism in diet-resistant obesity	35965199
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2022-10-13	Jamie	Chu	Paper	Single cell chromatin accessibility identifies pancreatic islet cell type- and state-specific regulatory programs of diabetes risk	33795864
2022-09-29	shenghui	liang	Work In Progress	Sharing a optimized agarose embedding protocol for islet samples	
2022-09-22	Amanda	Rahardjo	Paper	Proteasomal degradation of WT proinsulin in pancreatic beta cells	35988641
2022-09-20	Bruno	Freitas	Work In Progress	Manipulating macrophages to improve stem-cell-derived beta-cell differentiation and function	
2022-08-25	Liam	Hall	Paper	An overfeeding-induced obesity mouse model reveals necessity for Sin3a in postnatal peak β cell mass acquisition	35944274
2022-08-18	Alexander	Gamer	Paper	Paracrine signaling by pancreatic δ cells determines the glycaemic set point in mice	
2022-08-11	Peter	Overby	Paper	A gut microbial peptide and molecular mimicry in the pathogenesis of type 1 diabetes	2120028119
2022-07-28	Mikky	Atser	Paper	An exercise-inducible metabolite that suppresses feeding and obesity	
2022-07-21	Natalie	Nahimay	Paper	DNA damage to beta cells in culture recapitulates features of senescent beta cells that accumulate in type 1 diabetes	
2022-07-14	Mitchell	Braam	Paper	Dopamine Negatively Regulates Insulin Secretion Through Activation of D1-D2 Receptor Heteromer	
2022-07-07	Aurora	Mattison	Paper	SERCA2 regulates proinsulin processing and processing enzyme maturation in the pancreatic β cell	
2022-06-23	Jia	Zhao	Work In Progress	Pancreatic alpha and beta cells are globally phase-locked revealed by calcium imaging in a microfluidic device	
2022-06-21	Raelyn	Gallant	Paper	IL18 signaling causes islet β cell development and insulin secretion via different receptors on acinar and β cells	https://doi.org/10.1016/j.jce.2022.06.001
2022-06-16	Sepehr	Kamal	Paper	Human pancreatic microenvironment promotes β -cell differentiation via non-canonical WNT5A/JNK and BMP signaling	35414140
2022-06-09	Grace	Sun	Paper	Hyperinsulinemia and insulin resistance in the obese may develop as part of a homeostatic response to elevated free fatty acids: A mechanistic case-control and a population-based cohort study	33712379
2022-06-07	Jane	Velghe	Work In Progress	Single Cell RNA Sequencing of Human Islet Immune Cells	
2022-06-02	Ashish	Marwaha	Work In Progress	Ustekinumab for the treatment of Type 1 Diabetes	
2022-05-19	Jelena	Kolic	Paper	Gut microbiota-bile acid crosstalk contributes to the rebound weight gain after calorie restriction in mice	PMID: 35440584
2022-05-17	Yi-Chun	Chen	Work In Progress	Preserved glucose tolerance in mice lacking Peptidylglycine alpha-amidating monogenase (Pam) in islet beta cells	
2022-05-12	Lisa	Zhan	Paper	Genetic manipulation of stress pathways can protect stem-cell-derived islets from apoptosis in vitro	
2022-05-05	Howard	Cen	Paper	Generation of human islet cell type-specific identity genesets	35440614
2022-05-03	Rana	Minab	Paper	The Gut Microbiome of Adults With Type 1 Diabetes and Its Association With the Host Glycaemic Control	35045174
2022-04-28	Shilpa	Patil	Paper	Endocrine-Exocrine Signaling drives obesity-associated Pancreatic ductal adenocarcinoma	32304665
2022-04-26	Heather	Denroche	Work In Progress	Islet amyloid disrupts antigen presentation and protects against diabetes in NOD mice	
2022-04-21	Taina	Vuorio	Paper	SREBP1c-PARP1 axis tunes anti-senescence activity of adipocytes and ameliorates metabolic imbalance in obesity	
2022-04-12	Vriti	Bhagat	Paper	Human pluripotent stem-cell-derived islets ameliorate diabetes in non-human primates	35115708
2022-04-04	Nilou	Noursadeghi	Paper	Excess of glucocorticoids during late gestation impairs the recovery of offspring's β -cell function after a postnatal injury	34325494
2022-03-31	Priye	Iworima	Paper	Human expandable pancreatic progenitor-derived β cells ameliorate diabetes	35196077
2022-03-24	Grace	Dong	Paper	LSD1-mediated enhancer silencing attenuates retinoic acid signalling during pancreatic endocrine cell development	32350257
2022-03-17	shenghui	liang	Work In Progress	A Strategy to Differentiate Human Pluripotent Stem Cells into Insulin-secreting Islet Clusters	
2022-03-15	Jocelyn	Begin	Work In Progress	Metabolic regulation of histone modifications and gene expression in beta-cells from mice fed a western diet	
2022-03-10	Colin	Miller	Paper	Serotonergic neurons translate taste detection into internal nutrient regulation	35051377
2022-03-08	Daniel	Pasula	Paper	Increased glycolysis affects b-cell function and identity in aging and diabetes	34871777