Name (First)	Name (Last)	Supervisor Name	Date of your presentatio	Title of Paper or Work In Progress
Vriti	Bhagat	Dr. Bruce Verchere	2024-04-23	Investigating Pc1/3 levels in NOD mice prior to disease onset
Evgeniy	Panzhinskiy	James D Johnson	2024-04-18	Proteome Mapping of the Human Pancreatic Islet Microenvironment Reveals Endocrine–Exocrine Signaling Sphere of Influence
Lindsay	Pallo	Bruce Verchere	2024-04-16	Using an mRNA vaccine to reduce spontaneous and recurrent autoimmunity in NOD mice
Aurora	Mattison	Jim Johnson	2024-04-11	Vitamin K-dependent carboxylation regulates calcium flux and adaptation to metabolic stress in β cells
Carling	Smith	Dr. Elizabeth Rideout	2024-04-04	Molecular mechanism responsible for sex differences in electrical activity of mouse pancreatic β cells
Lauar	de Brito Monteirc	Verchere & Klein Geltink	2024-03-26	CXCL12-CXCR4 mediates CD57+ CD8+ T cell responses in the progression of type 1 diabetes
Hayley	Reeves	Elizabeth Rideout	2024-03-21	Investigating the Role of 17-Beta Estradiol in the Regulation of the Unfolded Protein Response (UPR) in Pancreatic Beta Cells
Erin	Tanaka	Ramon Klein Geltink	2024-03-19	High-resolution glucose tracing and in situ imaging reveals regulated lactate1 production in human pancreatic β cells
Jane	Velghe	Dr. Bruce Verchere	2024-03-12	Identification of type 2 diabetes- and obesity-associated human β-cells using deep transfer learning
Daniel	Pasula	Dan Luciani	2024-03-05	Therapeutic targeting of cellular senescence in diabetic macular edema: preclinical and phase 1 trial results
Jamie	Chu	James Johnson	2024-03-07	Repression of latent NF-kB enhancers by PDX1 regulates b cell functional heterogeneity
Puja	Biswas	Elizabeth Rideout	2024-02-22	Personalized Molecular Signatures of Insulin Resistance and Type 2 Diabetes
Noa	Gang	Jenny Bruin	2024-02-20	Readily releasable β cells with tight Ca2+–exocytosis coupling dictate biphasic glucose-stimulated insulin secretion
Bruno Felipe	Freitas	Levings and Verchere	2024-02-13	Macrophages heterogeneity and significance during human fetal pancreatic development
Carmen	Bayly	Francis Lynn	2024-02-06	Sox9 regulates alternative splicing and pancreatic beta cell function
Carmen	Bayly	Francis Lynn	2024-02-06	Comparative and integrative single cell analysis reveals new insights into the transcriptional immaturity of stem cell-derived β cells
Jelena	Kolic	Jim Johnson	2024-02-08	Lysophosphatidylinositols Are Upregulated After Human β-Cell Loss and Potentiate Insulin Release
Sing-Young	Chen	Johnson/Rideout	2024-02-01	Sustained hyperglycemia specifically targets translation of mRNAs for insulin secretion
Makenna	Cameron	William Gibson and Daniel Gam	2024-01-30	Transplantation of beige adipose organoids fabricated using adipose acellular matrix hydrogel improves metabolic dysfunction in high-fat diet-induced obesity and type 2 diabetes mice
Raelyn	Gallant	Dr. Bruce Verchere	2024-01-23	GPR92 activation in islet macrophages controls β cell function in a diet-induced obesity model
Howard	Cen	James Johnson	2024-01-18	An integrated single cell and spatial transcriptomic map of human white adipose tissue
Samantha	Mar	Francis Lynn	2023-12-12	Human Pancreatic α-Cell Heterogeneity and Trajectory Inference Analysis Using Integrated Single Cell- and Single Nucleus-RNA Sequencing Platforms
Courtney	Ostromecki	Bruce Verchere	2023-12-05	Targeting pro-inflammatory effector functions of islet macrophages using lipid nanoparticles to prevent diabetes
Ekaterina	Filatov	Francis Lynn	2023-11-28	Follicle-stimulating hormone orchestrates glucose-stimulated insulin secretion of pancreatic islets
Jia	Zhao	Tim Kieffer	2023-11-30	Enrichment of stem cell-derived pancreatic beta-like cells and controlled graft size through pharmacological removal of proliferating cells
Jamie	Chu	James Johnson	2023-12-07	Illuminating the complete ß-cell mass of the human pancreas - signifying a new view on the islets of Langerhans
Natalie	Nahimey	James Johnson	2023-11-09	TFEB and TFE3 control glucose homeostasis by regulating insulin gene expression
Karoliina	Tuomela	Levings	2023-11-07	Lymph node sharing between pancreas, gut, and liver leads to immune crosstalk and regulation of pancreatic autoimmunity
Katarina	Zosel	Francis Lynn	2023-10-24	Inferring regulators of cell identity in the human adult pancreas
Mikky	Atser	Dr. Jim Johnson	2023-10-19	Lactate activates the mitochondrial electron transport chain independent of its metabolism
Alexander	Garner	Tim Kieffer & Francis Lynn	2023-10-05	Single Cell RNA-Seq Analysis of Regenerative Drug-Treated Human Pancreatic Islets Identifies A Cycling Alpha Cell Population As Key Beta Cell Progenitors
Sonya	Mangat	Levings	2023-10-03	Elevated glucose metabolism driving pro-inflammatory response in B cells contributes to the progression of type 1 diabetes
Bruno	Freitas	Levings and Verchere	2023-09-26	Improving stem cell derived beta cell differentiation, maturation and function with regenerative macrophages
Liam	Hall	James Johnson	2023-09-21	Moderate-intensity endurance training improves late phase β-cell function in adults with type 2 diabetes
Jamie	Chu	James Johnson	2023-06-15	Single-Cell Heterogeneity Analysis and CRISPR Screen Identify Key b-Cell-Specific Disease Genes
Rana	Minab	Bruce Verchere	2023-05-30	Fecal microbiome transplantation for type 1 diabetes therapy
Jia	Zhao	Tim Kieffer	2023-06-01	Single-nucleus multi-omics of human stem cell-derived islets identifies deficiencies in lineage specification
Priye	Iworima	Dr. Timothy Kieffer	2023-05-18	Understanding cell fate acquisition in stem-cell-derived pancreatic islets using single-cell multiome-inferred regulomes
Raelyn	Gallant	Dr. Bruce Verchere	2023-05-16	Polarized macrophages promote gestational beta cell growth through extracellular signal-regulated kinase 5 signalling
Yi-Chun	Chen	Dr. Bruce Verchere	2023-05-09	Prolonged culture of human pancreatic islets under glucotoxic conditions changes their acute beta cell calcium and insulin secretion glucose response curves from sigmoid to bell-shaped
Alexander	Garner	Tim Kieffer & Francis Lynn	2023-05-04	Stomach-derived human insulin-secreting organoids restore glucose homeostasis
Lindsay	Pallo	Bruce Verchere	2023-05-02	Ionizable lipid nanoparticles deliver mRNA to pancreatic β cells via macrophage-mediated gene transfer
Mikky	Atser	Dr. James D. Johnson	2023-04-27	Pyruvate-supported flux through medium-chain ketothiolase promotes mitochondrial lipid tolerance in cardiac and skeletal muscles
Saumadritaa	Kar	Bruce Verchere	2023-04-04	Direct reprogramming of human fibroblasts into insulin-producing cells using transcription factors
Aurora	Mattison	Dr. Jim Johnson	2023-03-15	Effect of Verapamil on Pancreatic Beta Cell Function in Newly Diagnosed Pediatric Type 1 Diabetes
Helen	Huang	Francis Lynn	2023-03-14	Development of a scalable method to isolate subsets of stem cell-derivedpancreatic islet cells
Amanda	Rahardjo	Jim Johnson	2023-03-09	A single-cell human islet interactome atlas identifies disrupted autocrine and paracrine communications in type 2 diabetes
Jane	Velghe	Dr. Bruce Verchere	2023-03-07	Single-cell multi-omics analysis of human pancreatic islets reveals novel cellular states in type 1 diabetes
Daniel	Pasula	Dan Luciani	2023-02-28	Clearance of p16Ink4a-positive cells in a mouse transgenic model does not change β-cell mass and has limited effects on their proliferative capacity
Amanda	Rahardjo	Jim Johnson	2023-03-02	Palmitoylation couples insulin hypersecretion with β cell failure in diabetes
Jelena	Kolic	Dr. James D. Johnson	2023-03-02	Palmitoylation couples insulin hypersecretion with beta cell failure in diabetes
Colin	Miller	Liz Rideout	2023-02-23	A fluorescent perilipin 2 knock-in mouse model visualizes lipid droplets in the developing and adult brain
Puja	Biswas	Elizabeth Rideout	2023-02-09	Insulin signaling pathway promotes increased body fat in female Drosophila
Samantha	Mar	Francis Lynn	2023-02-07	Inhibition of stearoyl-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
Marcus	Woodley	Francis Lynn	2023-01-24	Pancreatic alpha cell glucagon–liver FGF21 axis regulates beta cell regeneration in a mouse model of type 2 diabetes
Howard	Cen	James Johnson	2023-01-26	The dynamic clustering of insulin receptor underlies its signaling and is disrupted in insulin resistance
Ekaterina	Filatov	Francis Lynn	2023-01-17	Co-transplantation of pancreatic islets and microvascular fragments effectively restores normoglycemia in diabetic mice
Nilou	Noursadeghi	Dr. Johnson	2022-12-01	Glucocorticoid signaling in pancreatic islets modulates gene regulatory programs and genetic risk of type 2 diabetes
Lucas	Starchuk	Ramon Klein Geltink	2022-12-06	Targeting pro-inflammatory macrophage metabolism in diabetes
Vriti	Bhagat	Dr. Bruce Verchere	2022-11-22	14-3-3-zeta mediates GLP-1 receptor agonist action to alter α cell proglucagon processing
Lindsay	Pallo	Dr. Bruce Verchere	2022-11-08	Preclinical evaluation of a precision medicine approach to DNA vaccination in type 1 diabetes
Ji Soo (Samantha	Yoon	Francis Lynn	2022-10-25	The role of activity-regulated gene NPAS4 in hypothalamic POMC neurons
Priye	Iworima	Timothy Kieffer	2022-10-27	Mitochondrial homeostasis regulates definitive endoderm differentiation of human pluripotent stem cells
Jamie	Chu	James Johnson	2022-10-13	Single cell chromatin accessibility identifies pancreatic islet cell type- and state-specific regulatory programs of diabetes risk
Dan	Gamu	Dr. William T. Gibson	2022-10-18	Exercise training enhances muscle mitochondrial metabolism in diet-resistant obesity
Nilou	Noursadeghi	James	2022-12-01	Glucocorticoid signaling in pancreatic islets modulates gene regulatory programs and genetic risk of type 2 diabetes
shenghui	liang	Timothy Kieffer	2022-09-29	Sharing a optimized agarose embedding protocol for islet samples
Amanda	Rahardjo	Jim Johnson and Eric Jan	2022-09-22	Proteasomal degradation of WT proinsulin in pancreatic beta cells
Bruno	Freitas	Drs Bruce Verchere & Megan L	2022-09-20	Manipulating macrophages to improve stem-cell-derived beta-cell differentiation and function
Liam	Hall	Jim Johnson	2022-08-25	An overfeeding-induced obesity mouse model reveals necessity for Sin3a in postnatal peak β cell mass acquisition
Alexander	Garner	Timothy Kieffer	2022-08-18	Paracrine signaling by pancreatic δ cells determines the glycemic set point in mice
Peter	Overby	James D. Johnson	2022-08-11	A gut microbial peptide and molecular mimicry in the pathogenesis of type 1 diabetes
Natalie	Nahimey	Jim Johnson	2022-07-21	DNA damage to beta cells in culture recapitulates features of senescent beta cells that accumulate in type 1 diabetes
Mikky	Atser	Dr. James Johnson	2022-07-28	An exercise-inducible metabolite that suppresses feeding and obesity
Mitchell	Braam	Dr. Timothy Kieffer	2022-07-14	Dopamine Negatively Regulates Insulin Secretion Through Activation of D1-D2 Receptor Heteromer
Aurora	Mattison	Jim Johnson	2022-07-07	SERCA2 regulates proinsulin processing and processing enzyme maturation in the pancreatic β cell
Jia	Zhao	Tim Kieffer	2022-06-23	Pancreatic alpha and beta cells are globally phase-locked revealed by calcium imaging in a microfluidic device
Raelyn	Gallant	Dr. Bruce Verchere	2022-06-21	IL18 signaling causes islet β cell development and insulin secretion via different receptors on acinar and β cells
Sepehr	Kamal	Jim Johnson	2022-06-16	Human pancreatic microenvironment promotes β-cell differentiation via non-canonical WNT5A/JNK and BMP signaling
Grace	Sun	James D. Johnson	2022-06-09	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
Jane	Velghe	Bruce Verchere	2022-06-07	Single Cell RNA Sequencing of Human Islet Immune Cells
Jelena	Kolic	James D. Johnson	2022-05-19	Gut microbiota-bile acid crosstalk contributes to the rebound weight gain after calorie restriction in mice
Yi-Chun	Chen	Dr. Bruce Verchere	2022-05-17	Preserved glucose tolerance in mice lacking Peptidylglycine alpha-amidating monogenase (Pam) in islet beta cells
Lisa	Zhan	Tim Kieffer	2022-05-12	Genetic manipulation of stress pathways can protect stem-cell-derived islets from apoptosis in vitro
Howard	Cen	James D. Johnson	2022-05-05	Generation of human islet cell type-specific identity genesets
Heather	Denroche	Bruce Verchere	2022-04-26	Islet amyloid disrupts antigen presentation and protects against diabetes in NOD mice
Rana	Minab	Bruce Verchere	2022-05-03	The Gut Microbiome of Adults With Type 1 Diabetes and Its Association With the Host Glycemic Control
Shilpa	Patil	Dr. Janel Kopp	2022-04-28	Endocrine-Exocrine Signaling drives obesity-associated Pancreatic ductal adenocarcinoma
Taina	Vuorio	Jim Johnson	2022-04-21	SREBP1c-PARP1 axis tunes anti-senescence activity of adipocytes and ameliorates metabolic imbalance in obesity
Ashish	Marwaha	UBC Alumni- Tan/Dutz Lab	2022-06-02	Ustekinumab for the treatment of Type 1 Diabetes
Vriti	Bhagat	Dr. Bruce Verchere	2022-04-12	Human pluripotent stem-cell-derived islets ameliorate diabetes in non-human primates
Nilou	Noursadeghi	James D. Johnson	2022-04-04	Excess of glucocorticoids during late gestation impairs the recovery of offspring's β-cell function after a postnatal injury
Grace	Dong	Janel Kopp	2022-03-24	LSD1-mediated enhancer silencing attenuates retinoic acid signalling during pancreatic endocrine cell development
Jocelyn	Begin	Dr. Brad Hoffman & Dr. Angela	2022-03-15	Metabolic regulation of histone modifications and gene expression in beta-cells from mice fed a western diet
shenghui	liang	Timothy Kieffer	2022-03-17	A Strategy to Differentiate Human Pluripotent Stem Cells into Insulin-secreting Islet Clusters
Daniel	Pasula	Dan Luciani	2022-03-08	Increased glycolysis affects b-cell function and identity in aging and diabetes
Colin	Miller	Elizabeth Rideout	2022-03-10	Serotonergic neurons translate taste detection into internal nutrient regulation
Priye	Iworima	Timothy Kieffer	2022-03-31	Human expandable pancreatic progenitor–derived β cells ameliorate diabetes
Ben	Vanderkruk	Brad Hoffman	2022-03-01	Islet methylation potential is insensitive to folate availability
Amanda	Rahardjo	James D. Johnson	2022-03-03	PTPN2 Regulates the Interferon Signaling and Endoplasmic Reticulum Stress Response in Pancreatic β-Cells in Autoimmune Diabetes
Daemon	Cline	Dr Tim Kieffer	2022-02-17	A hormone complex of FABP4 and nucleoside kinases regulates islet function
Yuanjie	Zou	Dan Luciani	2022-02-15	The nutrient sensor mTORC1 regulates insulin secretion by modulating ß-cell autophagy
Jamie	Chu	James Johnson	2022-02-10	Neonatal diabetes mutations disrupt a chromatin pioneering function that activates the human insulin gene
Amanda	Rahardjo	James D. Johnson	2022-02-03	PTPN2 Regulates the Interferon Signaling and Endoplasmic Reticulum Stress Response in Pancreatic β-Cells in Autoimmune Diabetes
Samantha	Yoon	Francis Lynn	2022-02-08	Insulin signalling in tanycytes gates hypothalamic insulin uptake and regulation of AgRP neuron activity
Alexander	Garner	Timothy Kieffer	2022-01-27	RFX6-mediated dysregulation defines human β cell dysfunction in early type 2 diabetes
Liam	Hall	James Johnson	2022-01-20	Atlas of exercise metabolism reveals time-dependent signatures of metabolic homeostasis
Saumadritaa	Kar	Dr. C Bruce Verchere	2022-01-18	ENTPD3 Marks Mature Stem Cell–Derived β-Cells Formed by Self-Aggregation In Vitro
Natalie	Nahimey	Jim Johnson	2022-01-13	Tolerance to Proinsulin-1 Reduces Autoimmune Diabetes in NOD mice
Noa	Gang	Dr. Jennifer Bruin	2021-12-07	Investigating potential cross-talk between HIF1α and AhR signaling in pancreatic beta-cells
Nelly	Saber	Dr. Tim Kieffer	2021-12-09	Insulin expression and C-peptide in type 1 diabetes subjects implanted with stem cell-derived pancreatic endoderm cells in an encapsulation device
Mikky	Atser	Dr. Jim Johnson	2021-12-02	Enzymatic activation of pyruvate kinase increases cytosolic oxaloacetate to inhibit the Warburg effect
Samantha	Mar	Dr. Francis Lynn	2021-11-30	Characterizing the role of gene regulator Med15 in pancreatic alpha cells
Peter	Overby	James D Johnson	2021-11-18	ARTICLEActivated but functionally impaired memory Tregs are expandedin slow progressors to type 1 diabetes
Mitchell	Braam	Tim Kieffer	2021-11-04	A therapeutic convection–enhanced macroencapsulation device for enhancing β cell viability and insulin secretion
Raelyn	Gallant	Dr. Bruce Verchere	2021-11-02	Coordinated interactions between endothelial cells and macrophages in the islet microenvironment promote β cell regeneration
Helen	Huang	Helen	2021-10-26	Utilizing CD19 as a selection marker for the scalable production of stem cell derived β-cells
Anni	Zhang	Anni Zhang	2021-10-28	Insulin protects acinar cells during pancreatitis by preserving glycolytic ATP supply to calcium pumps
Marcus	Woodley	Francis Lynn	2022-01-25	Ductal Ngn3-expressing progenitors contribute to adult β cell neogenesis in the pancreas
Emily	Wilts	Timothy Kieffer	2021-10-15	Injectable hydrogels for islet transplantation: a concise review
Austin	Taylor	Bruce Verchere	2021-10-05	Lipid Droplets Protect Human β Cells from Lipotoxic-Induced Stress and Cell Identity Changes
Jia	Zhao	Tim Kieffer	2021-09-30	Generation of pancreatic progenitors from human pluripotent stem cells by small molecules
Jocelyn	Begin	Jocelyn Begin	2021-09-21	Neonatal exposure to a wild-derived microbiome protects mice against diet-induced obesity
Aurora	Mattison	Aurora Mattison	2021-09-23	Loss of Secretory Pathway Ca2+ ATPase (SPCA1) Impairs Insulin Secretion and Reduces Autophagy in the Pancreatic Islet
Maria	Glavas	Tim Kieffer	2021-09-16	Isthmin-1 is an adipokine that promotes glucose uptake and improves glucose tolerance and hepatic steatosis
Jelena	Kolic	James D. Johnson	2021-09-02	Sex- and age-dependent outcomes of 9-hour time- restricted feeding of a Western high-fat high- sucrose diet in C57BL/6J mice
Lisa	Zhan	Timothy Kieffer	2021-08-26	ZBED6 counteracts high-fat diet-induced glucose intolerance by maintaining beta cell area and reducing excess mitochondrial activation
Lianna	Wat	Dr. Elizabeth J. Rideout	2021-08-19	The sugar-responsive enteroendocrine neuropeptide F regulates lipid metabolism through glucagon-like and insulin-like hormones in Drosophila melanogaster
Evgeniy	Panzhinskiy	James D Johnson	2021-08-05	Pancreatic Ppy-expressing γ-cells display mixed phenotypic traits and the adaptive plasticity to engage insulin production
Howard	Cen	James D Johnson	2021-07-22	Akt phosphorylates insulin receptor substrate to limit PI3K-mediated PIP3 synthesis
Shenghui	Liang	Timothy Kieffer	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
Dahai	Zhang	Francis Lynn	2021-06-29	A 3D system to model human pancreas development and its reference single-cell transcriptome atlas identify signaling pathways required for progenitor expansion
Jason	Millington	Elizabeth Rideout	2021-06-17	Gut-brain communication by distinct sensory neurons differently controls feeding and glucose metabolism
Ben	Vanderkruk	Brad Hoffman	2021-06-15	Reinforcing one-carbon metabolism via folic acid/Folr1 promotes β-cell differentiation
Daniel	Pasula	Dan Luciani	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	Timothy Kieffer	2021-05-27	Heterogenous impairment of α-cell function in type 2 diabetes is linked to cell maturation state
Marcus	Woodley	Francis Lynn	2021-05-18	Cell Engineering Approaches for the Improvement of In Vitro β-Cell Developmen
Stella	Baehring	Jim Johnson	2021-05-20	Brain insulin sensitivity is linked to adiposity and body fat distribution
Queenie	Hui	Dr. Timothy Kieffer	2021-05-13	Alpha to beta cell conversion in the postpartum mouse pancreas involves Lgr5 progeny
Dan	Gamu	Dr. William T. Gibson	2021-05-04	Tipping a HAT to Brown Fat: Examination of H3K27 Acetyltransferases in Thermogenic Adipose Tissues
Peter	Overby	Jim Johnson	2021-05-06	Citrullination of glucokinase linked to autoimmune diabetes
Nelly	Saber	Tim Kieffer	2021-04-29	CRISPR-based genome editing in primary human pancreatic islet cells
Mikky	Atser	Dr. James Johnson	2021-04-22	FoxO1 inhibition alleviates type 2 diabetes-related diastolic dysfunction by increasing myocardial pyruvate dehydrogenase activity
Raelyn	Gallant	Bruce Verchere	2021-04-20	Fatty acid binding protein 4 promotes autoimmune diabetes by recruitment and activation of pancreatic islet macrophages
Helen	Huang	Francis Lynn	2021-04-27	Functional, metabolic and transcriptional maturation of stem cell derived beta cells
Emily	Wilts	Timothy Kieffer	2021-04-15	Polymeric Approaches to Reduce Tissue Responses Against Devices Applied for Islet-Cell Encapsulation
Anni	Zhang	Dr. James D Johnson	2021-04-08	Single-Nucleus and In Situ RNA-Sequencing Reveal Cell Topographies in the Human Pancreas
Samantha	Mar	Francis Lynn	2021-04-06	REST is a major negative regulator of endocrine differentiation during pancreas organogenesis
Mitchell	Braam	Dr. Timothy Kieffer	2021-04-01	Pre-existing beta cells but not progenitors contribute to new beta cells in the adult pancreas
Austin	Taylor	Dr. Bruce Verchere	2021-03-30	Prohormone processing enzymes Pcsk1 and Pcsk2 in beta-cell function and glucose homeostasis
Jenny	Yang	Jim Johnson	2021-03-25	GIP mediates the incretin effect and glucose tolerance by dual actions on α cells and β cells
Yi-Chun	Chen	Dr. Bruce Verchere	2021-03-23	Islet prohormone processing enzymes in glucose metabolism and diabetes
Aurora	Mattison	Dr. Jim Johnson	2021-03-18	PDX1-LOW MAFA-LOW β-cells contribute to islet function and insulin release
Jocelyn	Begin	Dr. Brad Hoffman	2021-03-16	Metabolic regulation of chromatin structure and gene expression in a western diet mouse model
Lindsay	Pallo	Dr. Bruce Verchere	2021-03-09	Glucagon blockade restores functional β-cell mass in type 1 diabetic mice and enhances function of human islets
Dahai	Zhang	Francis Lynn	2021-03-02	Study of the impact of type 2 diabetes susceptibility gene CDKAL1 on beta cell differentiation in human
Jelena	Kolic	James D. Johnson	2021-03-04	Combinatorial transcription factor profiles predict mature and functional human islet α and β cells
Yuanjie	Zou	Dan Luciani	2021-02-23	An autophagy enhancer ameliorates diabetes of human IAPP-transgenic mice through clearance of amyloidogenic oligomer
Shogo	Ida	Timothy J. Kieffer	2021-02-25	Glucagon Resistance and Decreased Susceptibility to Diabetes in a Model of Chronic Hyperglucagonemia
Lianna	Wat	Elizabeth Rideout	2021-02-18	An isocaloric moderately high-fat diet extends lifespan in male rats and Drosophila
Sos	Skovso	Dr James Johnson	2021-02-11	investor counteracts insulin signalling in b-cells to control glycemia
Samantha	Yoon	Francis Lynn	2021-02-09	Hypothalamic REV-ERB nuclear receptors control diurnal food intake and leptin sensitivity in diet-induced obese mice
Ben	Vanderkruk	Brad Hoffman	2021-02-02	H3K4 Methylation in β-cells Prevents Transcriptional Downregulation and Variance Associated with Type 2 Diabetes
Priye	Iworima	Dr. Timothy Kieffer	2021-02-04	Aberrant development of pancreatic beta cells derived from human iPSCs with FOXA2 deficiency
Evgeniy	Panzhinskiy	Dr. James Johnson	2021-01-28	Mitochondrial gene expression in single cells shape pancreatic beta cells' sub-populations and explain variation in insulin pathway
Daniel	Pasula	Dan Luciani	2021-01-26	Anti-apoptotic Bcl-xL preserves the transcriptional, morphological and functional integrity of β-cell mitochondria during chronic hyperglycemia
Jia	Zhao	Tim Kieffer	2021-01-21	A Nutrient-Sensing Transition at Birth Triggers Glucose-Responsive Insulin Secretion
Howard	Cen	James D. Johnson	2021-01-14	Multi-omics profiling of living human pancreatic islet donors reveals heterogeneous beta cell trajectories toward type 2 diabetes
Maria	Glavas	Tim Kieffer	2020-12-17	Wisp1 is a circulating factor that stimulates proliferation of adult mouse and human beta cells
Daemon	Cline	Dr Tim Kieffer	2020-12-10	UCP1-independent glucose-lowering effect of leptin in type 1 diabetes: only in conditions of hypoleptinemia
Yuka	Obayashi	Dr. Brad Hoffman	2020-12-08	Investigating the role of TrxG complex and H3K4 methylation in the hippocampal memory formation.
Jason	Millington	Rideout	2020-12-03	Ovariectomy uncouples lifespan from metabolic health and reveals a sex-hormone-dependent role of hepatic mTORC2 in aging
Dan	Gamu	Dr. William Gibson	2020-12-01	Human Brown Adipocyte Thermogenesis Is Driven by β2-AR Stimulation
Shugo	Sasaki	Francis Lynn	2020-11-24	Gs/Gq signaling switch in β cells defines incretin effectiveness in diabetes
Raelyn	Gallant	Bruce Verchere	2020-11-17	Resident Islet Macrophages and their Role in Beta Cell Stress
Shenghui	Liang	Timothy Kieffer	2020-11-19	A method for the generation of human stem cell-derived alpha cells
Jamie	Chu	James Johnson	2020-11-05	Aberrant methylation underlies insulin gene expression in human insulinoma
Alexander	Garner	Timothy Kieffer	2020-10-29	Paracrine regulation of somatostatin secretion by insulin and glucagon in mouse pancreatic islets
Stella	Baehring	Dr. James Johnson	2020-10-22	Insulin synthesized in the paraventricular nucleus of the hypothalamus regulates pituitary growth hormone production
Heather	Denroche	Bruce Verchere	2020-10-27	Islet amyloid alters the local immune environment: implications for beta-cell function and autoimmunity
Marcus	Woodley	Francis Lynn	2020-10-20	Human T Cells Expressing a CD19 CAR-T Receptor Provide Insights into Mechanisms of Human CD19- Positive b Cell Destruction
Queenie	Hui	Dr. Timothy Kieffer and Dr. Lucy	2020-10-15	Topologically selective islet vulnerability and self-sustained downregulation of markers for β-cell maturity in streptozotocin-induced diabetes
Yuanjie	Zou	Dan Luciani	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 fat-feeding
Peter	Overby	Jim Johnson	2020-10-08	Mitochondrial Oxidative Damage UnderliesRegulatory T Cell Defects in Autoimmunity
Nelly	Saber	Dr. Tim Kieffer	2020-10-01	Intracrine Testosterone Activation in Human Pancreatic β-Cells Stimulates Insulin Secretion
Austin	Taylor	Bruce Verchere	2020-09-29	Unbiased Profiling of the Human Proinsulin Biosynthetic Interaction Network Reveals a Role for Peroxiredoxin 4 in Proinsulin Folding
Jocelyn	Begin	Brad Hoffman	2020-09-22	Epigenetic markers associated with metformin response and intolerance in drug-naive patients with type 2 diabetes
Michael	Atser	Dr. James Johnson	2020-09-24	Protective effects of sulforaphane on type 2 diabetes-induced cardiomyopathy via AMPK-mediated activation of lipid metabolic pathways and NRF2 function
Anni	Zhang	Dr. James Johnson	2020-09-17	Heterogeneous Effects of Calorie Content and Nutritional Components Underlie Dietary Influence on Pancreatic Cancer Susceptibility
Dahai	Zhang	Francis Lynn	2020-09-15	Zonation of Pancreatic Acinar Cells in Diabetic Mice
Mitchell	Braam	Tim Kieffer	2020-09-10	A Specialized Niche in the Pancreatic Microenvironment Promotes Endocrine Differentiation
Yi-Chun	Chen	Dr. Bruce Verchere	2020-09-08	Single-Cell Transcriptome Profiling Reveals β Cell Maturation in Stem Cell-Derived Islets after Transplantation
Paul	Belmonte	Timothy Kieffer	2020-09-03	Immune-evasive human islet-like organoids ameliorate diabetes
Shogo	Ida	Timothy J. Kieffer	2020-08-20	Hyperglycaemia is associated with impaired muscle signalling and aerobic adaptation to exercise
Evgeniy	Panzhinskiy	James Johnson	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
Lianna	Wat	Elizabeth Rideout	2020-07-30	An Insulin-Sensitive Circular RNA that Regulates Lifespan in Drosophila
Aurora	Mattison	Dr. James D. Johnson	2020-08-23	Dietary carbohydrates modulate metabolic and β-cell adaptation to high-fat diet-induced obesity