

Date	Name (First)	Name (Last)	Supervisor Name	Position	Title of Paper or Work In Progress	PMID
2024-10-01	Jana	Thisse	Dan Luciani	Graduate Student – MSc program	Stress-induced β cell early senescence confers protection against type 1 diabetes	37949065
2024-09-24	Samantha	Mar	Francis Lynn	Graduate Student – PhD program	Regulated and adaptive in vivo insulin secretion from islets only containing β -cells	39169271
2024-06-18	Dahai	Zhang	Francis Lynn	Research Associate	Impaired islet function and normal exocrine enzyme secretion occur with low inter-regional variation in type 1 diabetes	38850534
2024-06-06	Howard	Cen	Jim Johnson	Post-Doctoral Fellow	Purification of time-resolved insulin granules reveals proteomic and lipidomic changes during granule aging	38421874
2024-05-30	Mikky	Atser	Dr. James Johnson	Graduate Student – PhD program	MCL-1 is a master regulator of cancer dependency on fatty acid oxidation	36198266
2024-05-28	Katarina	Zosel	Francis Lynn	Graduate Student – PhD program	Hypoxia causes pancreatic β -cell dysfunction and impairs insulin secretion by activating the transcriptional repressor BHLHE40	37341148
2024-05-23	Jeffrey	Lin	Janel Kopp	Graduate Student – PhD program	Investigating the role of hyperinsulinemia in pancreatic cancer progression	
2024-05-14	Wayne	Fan	Francis Lynn	Graduate Student – MSc program	Remodeling ceramide homeostasis promotes functional maturation of human pluripotent stem cell-derived β cells	38697109
2024-05-05	Liam	Hall	Jim Johnson	Post-Doctoral Fellow	Osteocalcin protects islet identity in low-density lipoprotein receptor knockout mice on high-fat diet	38305305
2024-05-07	Yi-Chun	Chen	Dr. Bruce Verchere	Post-Doctoral Fellow	Deficiency of peptidylglycine alpha-amidating monoxygenase in pancreatic beta cells does not lead to development of hyperglycemia and diabetes in mice	
2024-04-30	Rana	Minab	Bruce Verchere	Graduate Student – PhD program	Fecal microbiome transplantation and type 1 diabetes	
2024-05-02	Elyn	Rowe	Jim Johnson	Graduate Student – PhD program	Platelet-derived lipids promote insulin secretion of pancreatic β cells	37490001
2024-04-25	Alexander	Garner	Timothy Kieffer and Francis Lynn	Graduate Student – PhD program	Illuminating the complete β -cell mass of the human pancreas- signifying a new view on the islets of Langerhans	38632302
2024-04-23	Vriti	Bhagat	Dr. Bruce Verchere	Graduate Student – PhD program	Investigating Pci13 levels in NOD mice prior to disease onset	
2024-04-18	Evgenyi	Panzhinsky	James D Johnson	Research Associate	Proteome Mapping of the Human Pancreatic Islet Microenvironment Reveals Endocrine–Exocrine Signaling Sphere of Influence	37328065
2024-04-16	Lindsay	Pallo	Bruce Verchere	Graduate Student – PhD program	Using an mRNA vaccine to reduce spontaneous and recurrent autoimmunity in NOD mice	
2024-04-11	Auroa	Mattison	Jim Johnson	Graduate Student – PhD program	Vitamin K-dependent carboxylation regulates calcium flux and adaptation to metabolic stress in β cells	37171959
2024-04-04	Carling	Smith	Dr. Elizabeth Rideout	Graduate Student – MSc program	Molecular mechanism responsible for sex differences in electrical activity of mouse pancreatic β cells	38358619
2024-03-26	Laur	de Brito Monteiro	Verchere & Klein Gellink	Post-Doctoral Fellow	CXCL12-CXCR4 mediates CD57+ CD8+ T cell responses in the progression of type 1 diabetes	38306953
2024-03-21	Hayley	Reeves	Elizabeth Rideout	Graduate Student – PhD program	Investigating the Role of 17-Beta Estradiol in the Regulation of the Unfolded Protein Response (UPR) in Pancreatic Beta Cells	38339098
2024-03-19	Erin	Tanaka	Ramon Klein Gellink	Graduate Student – PhD program	High-resolution glucose tracing and in situ imaging reveals regulated lactate1 production in human pancreatic β cells	
2024-03-12	Jane	Velghe	Dr. Bruce Verchere	Graduate Student – PhD program	Identification of type 2 diabetes- and obesity-associated human β -cells using deep transfer learning	
2024-03-05	Daniel	Passula	Dan Luciani	Graduate Student – PhD program	Therapeutic targeting of cellular senescence in diabetic macular edema: preclinical and phase 1 trial results	38321220
2024-03-07	Jamie	Chu	James Johnson	Graduate Student – PhD program	Repression of latent NF- κ B enhancers by PDX1 regulates b cell functional heterogeneity	38171340
2024-02-22	Puja	Biswas	Elizabeth Rideout	Graduate Student – PhD program	Personalized Molecular Signatures of Insulin Resistance and Type 2 Diabetes	
2024-02-20	Noa	Gang	Jenny Bruin	Graduate Student – PhD program	Readily releasable β cells with tight Ca ²⁺ -exocytosis coupling dictate biphasic glucose-stimulated insulin secretion	38278946
2024-02-13	Bruno Felipe	Freitas	Levings and Verchere	Graduate Student – PhD program	Macrophages heterogeneity and significance during human fetal pancreatic development	
2024-02-06	Carmen	Bayly	Francis Lynn	Post-Doctoral Fellow	Sox9 regulates alternative splicing and pancreatic beta cell function	38238288
2024-02-06	Carmen	Bayly	Francis Lynn	Post-Doctoral Fellow	Comparative and integrative single cell analysis reveals new insights into the transcriptional immaturity of stem cell-derived β cells	38267908
2024-02-08	Jelena	Kolic	Jim Johnson	Research Associate	Lysophosphatidylinositols Are Upregulated After Human β -Cell Loss and Potentiate Insulin Release	
2024-02-01	Sing-Young	Chen	Johnson/Rideout	Post-Doctoral Fellow	Sustained hyperglycemia specifically targets translation of mRNAs for insulin secretion	38032734
2024-01-30	Makenna	Cameron	William Gibson and Daniel Gan	Graduate Student – MSc program	Transplantation of beige adipose organoids fabricated using adipose acellular matrix hydrogel improves metabolic dysfunction in high-fat diet-induced obesity and type 2 diabetes	38219044
2024-01-23	Raelyn	Gallant	Dr. Bruce Verchere	Graduate Student – MSc program	GPR92 activation in islet macrophages controls β cell function in a diet-induced obesity model	
2024-01-18	Howard	Cen	James Johnson	Post-Doctoral Fellow	An integrated single cell and spatial transcriptomic map of human white adipose tissue	36922516
2023-12-12	Samantha	Mar	Francis Lynn	Graduate Student – PhD program	Human Pancreatic α -Cell Heterogeneity and Trajectory Inference Analysis Using Integrated Single Cell- and Single Nucleus-RNA Sequencing Platforms	
2023-12-05	Courtney	Ostromiecki	Bruce Verchere	Graduate Student – MSc program	Targeting pro-inflammatory effector functions of islet macrophages using lipid nanoparticles to prevent diabetes	
2023-11-26	Ekaterina	Filatov	Francis Lynn	Graduate Student – MSc program	Follicle-stimulating hormone orchestrates glucose-stimulated insulin secretion of pancreatic islets	37914684
2023-11-30	Jia	Zhao	Tim Kieffer	Post-Doctoral Fellow	Enrichment of stem cell-derived pancreatic beta-like cells and controlled graft size through pharmacological removal of proliferating cells	37315522
2023-12-07	Jamie	Chu	James Johnson	Graduate Student – PhD program	Illuminating the complete β -cell mass of the human pancreas - signifying a new view on the islets of Langerhans	
2023-11-09	Natalie	Nahimey	James Johnson	Graduate Student – PhD program	TFEB and TFE3 control glucose homeostasis by regulating insulin gene expression	
2023-11-07	Karolina	Tuomela	Levings	Post-Doctoral Fellow	Lymph node sharing between pancreas, gut, and liver leads to immune crosstalk and regulation of pancreatic autoimmunity	37557168
2023-10-24	Katarina	Zosel	Francis Lynn	Graduate Student – PhD program	Inferring regulators of cell identity in the human adult pancreas	
2023-10-19	Mikky	Atser	Dr. Jim Johnson	Graduate Student – PhD program	Lactate activates the mitochondrial electron transport chain independent of its metabolism	
2023-10-03	Alexander	Garner	Tim Kieffer & Francis Lynn	Graduate Student – PhD program	Single Cell RNA-Seq Analysis of Regenerative Drug-Treated Human Pancreatic Islets Identifies A Cycling Alpha Cell Population As Key Beta Cell Progenitors	
2023-10-03	Sonya	Mangat	Levings	Graduate Student – MSc program	Elevated glucose metabolism driving pro-inflammatory response in B cells contributes to the progression of type 1 diabetes	37562723
2023-09-26	Bruno	Freitas	Levings and Verchere	Graduate Student – PhD program	Improving stem cell derived beta cell differentiation, maturation and function with regenerative macrophages	
2023-09-21	Liam	Hall	James Johnson	Post-Doctoral Fellow	Moderate-intensity endurance training improves late phase β -cell function in adults with type 2 diabetes	37485354