

**LIST OF PUBLICATIONS**  
**CELLULAR PHYSIOLOGY**

1. **Adipose ABHD6 regulates tolerance to cold and thermogenic programs.**  
Poursharifi P, Attané C, Mugabo Y, Al-Mass A, Ghosh A, Schmitt C, Zhao S, Guida J, Lussier R, Erb H, Chenier I, Peyot ML, Joly E, Noll C, Carpentier AC, Madiraju SRM, Prentki M. *JCI Insight*. 2020 Dec 17; **5**(24): 140294.
2. **Hedgehog Interacting Protein (Hhip) Regulates Insulin Secretion in Mice Fed High Fat Diets.** Nchiencia H, Liao MC, Zhao XP, Chang SY, Lo CS, Chenier I, Ingelfinger JR, Chan JSD, Zhang SL. *Sci Rep*. 2019 Aug 1; **9**(1): 11183.
3. **The gliotransmitter ACBP controls feeding and energy homeostasis via the melanocortin system.**  
Bouyakdan K, Martin H, Liénard F, Budry L, Taib B, Rodaros D, Chrétien C, Biron É, Husson Z, Cota D, Pénicaud L, Fulton S, Fioramonti X, Alquier T.  
*J Clin Invest*. 2019 Apr 2; **129**(6): 2417-2430
4. **Deletion of Protein Kinase D1 in Pancreatic  $\beta$ -Cells Impairs Insulin Secretion in High-Fat Diet-Fed Mice.**  
Bergeron V, Ghislain J, Vivot K, Tamarina N, Philipson LH, Fielitz J, Poitout V.  
*Diabetes*. 2018 Jan; **67**(1): 71-77
5. **Nucleus accumbens inflammation mediates anxiodepressive behavior and compulsive sucrose seeking elicited by saturated dietary fat.**  
Décarie-Spain L, Sharma S, Hryhorczuk C, Issa-Garcia V, Barker PA, Arbour N, Alquier T, Fulton S. *Mol Metab*. 2018 Apr; **10**: 1-13
6. **Glucose and fatty acids synergistically and reversibly promote beta cell proliferation in rats.** Moullé VS, Vivot K, Tremblay C, Zarrouki B, Ghislain J, Poitout V. *Diabetologia*. 2017 May; **60**(5): 879-888.
7. **Identification of the signals for glucose-induced insulin secretion in INS1 (832/13)  $\beta$ -cells using metformin-induced metabolic deceleration as a model.**  
Lamontagne J, Al-Mass A, Nolan CJ, Corkey BE, Madiraju SRM, Joly E, Prentki M.  
*J Biol Chem*. 2017 Nov 24; **292**(47): 19458-19468
8. **Metabolic fate of glucose and candidate signaling and excess-fuel detoxification pathways in pancreatic  $\beta$ -cells.**  
Mugabo Y, Zhao S, Lamontagne J, Al-Mass A, Peyot ML, Corkey BE, Joly E, Madiraju SRM, Prentki M. *J Biol Chem*. 2017 May 5; **292**(18): 7407-7422.
9. **Adipose tissue (P)RR regulates insulin sensitivity, fat mass and body weight.**  
Shamansurova Z, Tan P, Ahmed B, Pepin E, Seda O, Lavoie JL.  
*Mol Metab*. 2016 Aug 23; **5**(10): 959-969.
10. **A beta cell ATGL-lipolysis/adipose tissue axis controls energy homeostasis and body weight via insulin secretion in mice.**  
Attané C, Peyot ML, Lussier R, Poursharifi P, Zhao S, Zhang D, Morin J, Pineda M, Wang S, Dumortier O, Ruderman NB, Mitchell GA, Simons B, Madiraju SR, Joly E, Prentki M. *Diabetologia*. 2016 Dec; **59**(12): 2654-2663.

11. [α/β-Hydrolase Domain 6 Deletion Induces Adipose Browning and Prevents Obesity and Type 2 Diabetes.](#)  
Zhao S, Mugabo Y, Ballentine G, Attane C, Iglesias J, Poursharifi P, Zhang D, Nguyen TA, Erb H, Prentki R, Peyot ML, Joly E, Tobin S, Fulton S, Brown JM, Madiraju SR, Prentki M.  
*Cell Rep.* 2016 Mar 29; **14**(12): 2872-88
12. [Urea impairs β cell glycolysis and insulin secretion in chronic kidney disease.](#)  
Koppe L, Nyam E, Vivot K, Manning Fox JE, Dai XQ, Nguyen BN, Trudel D, Attané C, Moullé VS, MacDonald PE, Ghislain J, Poitout V. *J Clin Invest.* 2016 Sep 1; **126**(9): 3598-612.
13. [Dual-Reporter β-Cell-Specific Male Transgenic Rats for the Analysis of β-Cell Functional Mass and Enrichment by Flow Cytometry.](#)  
Ghislain J, Fontés G, Tremblay C, Kebede MA, Poitout V. *Endocrinology.* 2016 Mar; **157**(3): 1299-306.
14. [The ΔF508 Mutation in the Cystic Fibrosis Transmembrane Conductance Regulator Is Associated With Progressive Insulin Resistance and Decreased Functional β-Cell Mass in Mice.](#)  
Fontés G, Ghislain J, Benterki I, Zarrouki B, Trudel D, Berthiaume Y, Poitout V. *Diabetes.* 2015 Dec; **64**(12): 4112-22.
15. [Defective insulin secretory response to intravenous glucose in C57Bl/6J compared to C57Bl/6N mice.](#)  
Fergusson G, Ethier M, Guévremont M, Chrétien C, Attané C, Joly E, Fioramonti X, Prentki M, Poitout V, Alquier T. *Mol Metab.* 2014 Sep 28; **3**(9): 848-54.
16. [α/β-Hydrolase domain-6-accessible monoacylglycerol controls glucose-stimulated insulin secretion.](#)  
Zhao S, Mugabo Y, Iglesias J, Xie L, Delghingaro-Augusto V, Lussier R, Peyot ML, Joly E, Taïb B, Davis MA, Brown JM, Abousalham A, Gaisano H, Madiraju SR, Prentki M. *Cell Metab.* 2014 Jun 3; **19**(6): 993-1007.
17. [Pioglitazone acutely reduces energy metabolism and insulin secretion in rats.](#)  
Lamontagne J, Jalbert-Arsenault E, Pepin E, Peyot ML, Ruderman NB, Nolan CJ, Joly E, Madiraju SR, Poitout V, Prentki M. *Diabetes.* 2013 Jun; **62**(6): 2122-9.
18. [A role for cytosolic isocitrate dehydrogenase as a negative regulator of glucose signaling for insulin secretion in pancreatic β-cells.](#)  
Guay C, Joly E, Pepin E, Barbeau A, Hentsch L, Pineda M, Madiraju SR, Brunengraber H, Prentki M. *PLoS One.* 2013 Oct 10; **8**(10): e77097.