

Venteclef N, Ferré P. Liver X receptor: from metabolism to cancer. *Biochem J*. 2014 Apr 15;459(2):e1-3.

Nardi F, Lipina C, Magill D, Hage Hassan R, Hajduch E, Gray A, Hundal HS. Enhanced insulin sensitivity associated with provision of mono and polyunsaturated fatty acids in skeletal muscle cells involves counter modulation of PP2A. *PLoS One*. 2014 Mar 14;9(3):e92255.

Hartemann A, Bensimon G, Payan CA, Jacqueminet S, Bourron O, Nicolas N, Fonfrede M, Rosenzweig M, Bernard C, Klatzmann D. Low-dose interleukin 2 in patients with type 1 diabetes: a phase 1/2 randomised, double-blind, placebo-controlled trial. *Lancet Diabetes Endocrinol*. 2013 Dec;1(4):295-305.

Dalmas E, Venteclef N, Caer C, Poitou C, Cremer I, Aron-Winewsky J, Lacroix-Desmazes S, Bayry J, Kaveri SV, Clément K, André S, Guerre-Millo M. T cell-derived IL-22 amplifies IL-1 β driven inflammation in human adipose tissue: relevance to obesity and type 2 diabetes. *Diabetes*. 2014 Feb 11. [Epub ahead of print]

Toubal A, Treuter E, Clément K, Venteclef N. Genomic and epigenomic regulation of adipose tissue inflammation in obesity. *Trends Endocrinol Metab*. 2013 Dec;24(12):625-34.

Bouhassira D, Letanoux M, Hartemann A. Chronic pain with neuropathic characteristics in diabetic patients: a French cross-sectional study. *PLoS One*. 2013 Sep 13;8(9):e74195.

Michau A, Guillemain G, Grosfeld A, Vuillaumier-Barrot S, Grand T, Keck M, L'Hoste S, Chateau D, Serradas P, Teulon J, De Lonlay P, Scharfmann R, Brot-Laroche E, Leturque A, Le Gall M. Mutations in SLC2A2 gene reveal hGLUT2 function in pancreatic β cell development. *J Biol Chem*. 2013 Oct 25;288(43):31080-92.

Aubert CE, Cluzel P, Kemel S, Michel PL, Lajat-Kiss F, Dadon M, Hartemann A, Bourron O. Influence of peripheral vascular calcification on efficiency of screening tests for peripheral arterial occlusive disease in diabetes—a cross-sectional study. *Diabet Med*. 2014 Feb;31(2):192-9.

Baeyens A, Pérol L, Fourcade G, Cagnard N, Carpentier W, Woytschak J, Boyman O, Hartemann A, Piaggio E. Limitations of IL-2 and rapamycin in immunotherapy of type 1 diabetes. *Diabetes*. 2013 Sep;62(9):3120-31.

Berrou J, Fougeray S, Venot M, Chardiny V, Gautier JF, Dulphy N, Toubert A, Peraldi MN. Natural killer cell function, an important target for infection and tumor protection, is impaired in type 2 diabetes. *PLoS One*. 2013 Apr 25;8(4):e62418.

Venteclef N, Guglielmi V, Balse E, Gaborit B, Cotillard A, Atassi F, Amour J, Leprince P, Dutour A, Clément K, Hatem SN. Human epicardial adipose tissue induces fibrosis of the atrial myocardium through the secretion of adipo-fibrokinases. *Eur Heart J*. 2013 Mar 22. [Epub ahead of print] PubMed PMID: 23525094.

Valtat B, Riveline JP, Zhang P, Singh-Estivalet A, Armanet M, Venteclef N, Besseiche A, Kelly DP, Tronche F, Ferré P, Gautier JF, Bréant B, Blondeau B. Fetal PGC-1 α overexpression programs adult pancreatic β -cell dysfunction. *Diabetes*. 2013 Apr;62(4):1206-16.

Toubal A, Clément K, Fan R, Ancel P, Pelloux V, Rouault C, Veyrie N, Hartemann A, Treuter E, Venteclef N. SMRT-GPS2 corepressor pathway dysregulation coincides with obesity-linked adipocyte inflammation. *J Clin Invest*. 2013 Jan 2;123(1):362-79.

Bourron O, Chebbi F, Halbron M, Saint-Martin C, Bellanné-Chantelot C, Abed A, Charbit B, Magnan C, Lacorte JM, Hartemann A. Incretin effect of glucagon-like peptide 1 receptor agonist is preserved in presence of ABCC8/SUR1 mutation in β -cell. *Diabetes Care*. 2012 Nov;35(11):e76.

Archer A, Venteclef N, Mode A, Pedrelli M, Gabbi C, Clément K, Parini P, Gustafsson JA, Korach-André M. Fasting-induced FGF21 is repressed by LXR activation via recruitment of an HDAC3 corepressor complex in mice. *Mol Endocrinol*. 2012 Dec;26(12):1980-90.

Joly-Amado A, Denis RG, Castel J, Lacombe A, Cansell C, Rouch C, Kassis N, Dairou J, Cani PD, Ventura-Clapier R, Prola A, Flamment M, Foufelle F, Magnan C, Luquet S. Hypothalamic AgRP-neurons control peripheral substrate utilization and nutrient partitioning. *EMBO J*. 2012 Nov 14;31(22):4276-88.

Choukem SP, Sobngwi E, Boudou P, Fetita LS, Porcher R, Ibrahim F, Blondeau B, Vexiau P, Mauvais-Jarvis F, Calvo F, Gautier JF. Alpha and Beta-cell dysfunctions in africans with ketosis-prone atypical diabetes during near-normoglycemic remission. *Diabetes Care*. 2013 Jan;36(1):118-23.

Hartemann A, Bourron O. Interleukin-2 and type 1 diabetes: new therapeutic perspectives. *Diabetes Metab*. 2012 Nov;38(5):387-91.

Flamment M, Hajduch E, Ferré P, Foufelle F. New insights into ER stress-induced insulin resistance. *Trends Endocrinol Metab*. 2012 Aug;23(8):381-90.

Goossens GH, Moors CC, van der Zijl NJ, Venteclef N, Alili R, Jocken JW, Essers Y, Cleutjens JP, Clément K, Diamant M, Blaak EE. Valsartan improves adipose tissue function in humans with impaired glucose metabolism: a randomized placebo-controlled double-blind trial. *PLoS One*. 2012;7(6):e39930.

Soggia A, Flosseau K, Ravassard P, Szinnai G, Scharfmann R, Guillemain G. Activation of the transcription factor carbohydrate-responsive element-binding protein by glucose leads to increased pancreatic beta cell differentiation in rats. *Diabetologia*. 2012 Oct;55(10):2713-22.

Haas JT, Miao J, Chanda D, Wang Y, Zhao E, Haas ME, Hirschey M, Vaitheesvaran B, Farese RV Jr, Kurland IJ, Graham M, Crooke R, Foufelle F, Biddinger SB. Hepatic insulin signaling is required for obesity-dependent expression of SREBP-1c mRNA but not for feeding-dependent expression. *Cell Metab*. 2012 Jun 6;15(6):873-84.

Faty A, Ferré P, Commans S. The acute phase protein Serum Amyloid A induces lipolysis and inflammation in human adipocytes through distinct pathways. *PLoS One*. 2012;7(4):e34031.

Scotto M, Afonso G, Larger E, Raverdy C, Lemonnier FA, Carel JC, Dubois-Laforgue D, Baz B, Levy D, Gautier JF, Launay O, Bruno G, Boitard C, Sechi LA, Hutton JC, Davidson HW, Mallone R. Zinc transporter (ZnT)8(186-194) is an immunodominant CD8+ T cell epitope in HLA-A2+ type 1 diabetic patients. *Diabetologia*. 2012 Jul;55(7):2026-31.

- Vatier C, Gautier JF, Vigouroux C. Therapeutic use of recombinant methionyl human leptin. *Biochimie*. 2012 Oct;94(10):2116-25.
- Rodriguez-Trejo A, Ortiz-Lopez MG, Zambrano E, Granados-Silvestre Mde L, Méndez C, Blondeau B, Bréant B, Nathanielsz PW, Menjivar M. Developmental programming of neonatal pancreatic β -cells by a maternal low-protein diet in rats involves a switch from proliferation to differentiation. *Am J Physiol Endocrinol Metab*. 2012 Jun 1;302(11):E1431-9.
- Blondeau B, Sahly I, Massouridès E, Singh-Estivalet A, Valtat B, Dorchene D, Jaisser F, Bréant B, Tronche F. Novel transgenic mice for inducible gene overexpression in pancreatic cells define glucocorticoid receptor-mediated regulations of beta cells. *PLoS One*. 2012;7(2):e30210.
- Panasjuk G, Espeillac C, Chauvin C, Pradelli LA, Horie Y, Suzuki A, Annicotte JS, Fajas L, Foretz M, Verdeguer F, Pontoglio M, Ferré P, Scoazec JY, Birnbaum MJ, Ricci JE, Pende M. PPAR γ contributes to PKM2 and HK2 expression in fatty liver. *Nat Commun*. 2012 Feb 14;3:672.
- Bourron O, Vigouroux C, Halbron M, Touati EB, Capel E, Caron-Debarle M, Hartemann A. Association of type B insulin resistance and type 1 diabetes resulting in ketoacidosis. *Diabetes Care*. 2012 Feb;35(2):e4.
- Riveline JP, Rousseau E, Reznik Y, Fetita S, Philippe J, Dechaume A, Hartemann A, Polak M, Petit C, Charpentier G, Gautier JF, Froguel P, Vaxillaire M. Clinical and metabolic features of adult-onset diabetes caused by ABCC8 mutations. *Diabetes Care*. 2012 Feb;35(2):248-51.
- Hage Hassan R, Hainault I, Vilquin JT, Samama C, Lasnier F, Ferré P, Fougelle F, Hajdich E. Endoplasmic reticulum stress does not mediate palmitate-induced insulin resistance in mouse and human muscle cells. *Diabetologia*. 2012 Jan;55(1):204-14.
- Lenoir O, Flosseau K, Ma FX, Blondeau B, Mai A, Bassel-Duby R, Ravassard P, Olson EN, Haumaitre C, Scharfmann R. Specific control of pancreatic endocrine β and delta cell mass by class IIa histone deacetylases HDAC4, HDAC5, and HDAC9. *Diabetes*. 2011 Nov;60(11):2861-71.
- Cnop M, Fougelle F, Velloso LA. Endoplasmic reticulum stress, obesity and diabetes. *Trends Mol Med*. 2012 Jan;18(1):59-68.
- Pachikian BD, Essaghir A, Demoulin JB, Neyrinck AM, Catry E, De Backer FC, Dejeans N, Dewulf EM, Sohet FM, Portois L, Deldicque L, Molendi-Coste O, Leclercq IA, Francaux M, Carpentier YA, Fougelle F, Muccioli GG, Cani PD, Delzenne NM. Hepatic n-3 polyunsaturated fatty acid depletion promotes steatosis and insulin resistance in mice: genomic analysis of cellular targets. *PLoS One*. 2011;6(8):e23365.
- Dentin R, Tomas-Cobos L, Fougelle F, Leopold J, Girard J, Postic C, Ferré P. Glucose 6-phosphate, rather than xylulose 5-phosphate, is required for the activation of ChREBP in response to glucose in the liver. *J Hepatol*. 2012 Jan;56(1):199-209.
- Sobngwi E, Kengne AP, Balti EV, Fezeu L, Nouthe B, Djiogue S, Njamen D, Gautier JF, Unwin NC, Mbanya JC. Metabolic profile of sub-Saharan African patients presenting with first-ever-in-

lifetime stroke: association with insulin resistance. *J Stroke Cerebrovasc Dis.* 2012 Nov;21(8):639-46.

Bellanné-Chantelot C, Lévy DJ, Carette C, Saint-Martin C, Riveline JP, Larger E, Valéro R, Gautier JF, Reznik Y, Sola A, Hartemann A, Laboureaux-Soares S, Laloi-Michelin M, Lecomte P, Chaillous L, Dubois-Laforgue D, Timsit J; French Monogenic Diabetes Study Group. Clinical characteristics and diagnostic criteria of maturity-onset diabetes of the young (MODY) due to molecular anomalies of the HNF1A gene. *J Clin Endocrinol Metab.* 2011 Aug;96(8):E1346-51.

Liao X, Sharma N, Kapadia F, Zhou G, Lu Y, Hong H, Paruchuri K, Mahabeleshwar GH, Dalmas E, Venteclef N, Flask CA, Kim J, Doreian BW, Lu KQ, Kaestner KH, Hamik A, Clément K, Jain MK. Krüppel-like factor 4 regulates macrophage polarization. *J Clin Invest.* 2011 Jul;121(7):2736-49.

Goossens GH, Bizzarri A, Venteclef N, Essers Y, Cleutjens JP, Konings E, Jocken JW, Cajlakovic M, Ribitsch V, Clément K, Blaak EE. Increased adipose tissue oxygen tension in obese compared with lean men is accompanied by insulin resistance, impaired adipose tissue capillarization, and inflammation. *Circulation.* 2011 Jul 5;124(1):67-76.

Venteclef N, Jakobsson T, Steffensen KR, Treuter E. Metabolic nuclear receptor signaling and the inflammatory acute phase response. *Trends Endocrinol Metab.* 2011 Aug;22(8):333-43.

Vernia S, Heredia M, Criado O, Rodriguez de Cordoba S, Garcia-Roves PM, Cansell C, Denis R, Luquet S, Fougelle F, Ferré P, Sanz P. Laforin, a dual specificity phosphatase involved in Lafora disease, regulates insulin response and whole-body energy balance in mice. *Hum Mol Genet.* 2011 Jul 1;20(13):2571-84.

Marsollier N, Ferré P, Fougelle F. Novel insights in the interplay between inflammation and metabolic diseases: a role for the pathogen sensing kinase PKR. *J Hepatol.* 2011 Jun;54(6):1307-9.

Briand N, Le Lay S, Sessa WC, Ferré P, Dugail I. Distinct roles of endothelial and adipocyte caveolin-1 in macrophage infiltration and adipose tissue metabolic activity. *Diabetes.* 2011 Feb;60(2):448-53.

Tyzio R, Allene C, Nardou R, Picardo MA, Yamamoto S, Sivakumaran S, Caiati MD, Rheims S, Minlebaev M, Milh M, Ferré P, Khazipov R, Romette JL, Lorquin J, Cossart R, Khalilov I, Nehlig A, Cherubini E, Ben-Ari Y. Depolarizing actions of GABA in immature neurons depend neither on ketone bodies nor on pyruvate. *J Neurosci.* 2011 Jan 5;31(1):34-45.

Ferré P, Fougelle F. A new role for a metabolic star: AMP-activated protein kinase stimulates fat absorption. *Cell Metab.* 2011 Jan 5;13(1):1-2.

Turban S, Hajduch E. Protein kinase C isoforms: mediators of reactive lipid metabolites in the development of insulin resistance. *FEBS Lett.* 2011 Jan 21;585(2):269-74.

Treuter E, Venteclef N. Transcriptional control of metabolic and inflammatory pathways by nuclear receptor SUMOylation. *Biochim Biophys Acta.* 2011 Aug;1812(8):909-18.

Dubuquoy C, Robichon C, Lasnier F, Langlois C, Dugail I, Fougelle F, Girard J, Burnol AF, Postic C, Moldes M. Distinct regulation of adiponutrin/PNPLA3 gene expression by the transcription

factors ChREBP and SREBP1c in mouse and human hepatocytes. *J Hepatol.* 2011 Jul;55(1):145-53.

Ferré P, Foufelle F. Hepatic steatosis: a role for de novo lipogenesis and the transcription factor SREBP-1c. *Diabetes Obes Metab.* 2010 Oct;12 Suppl 2:83-92.

Stenson BM, Rydén M, Venteclef N, Dahlman I, Pettersson AM, Mairal A, Aström G, Blomqvist L, Wang V, Jocken JW, Clément K, Langin D, Arner P, Laurencikiene J. Liver X receptor (LXR) regulates human adipocyte lipolysis. *J Biol Chem.* 2011 Jan 7;286(1):370-9.

Valtat B, Dupuis C, Zenaty D, Singh-Estivalet A, Tronche F, Bréant B, Blondeau B. Genetic evidence of the programming of beta cell mass and function by glucocorticoids in mice. *Diabetologia.* 2011 Feb;54(2):350-9.

Abi Khalil C, Travert F, Fetita S, Rouzet F, Porcher R, Riveline JP, Hadjadj S, Larger E, Roussel R, Vexiau P, Le Guludec D, Gautier JF, Marre M. Fetal exposure to maternal type 1 diabetes is associated with renal dysfunction at adult age. *Diabetes.* 2010 Oct;59(10):2631-6.

Le Lay S, Briand N, Blouin CM, Chateau D, Prado C, Lasnier F, Le Liepvre X, Hajduch E, Dugail I. The lipotrophic caveolin-1 deficient mouse model reveals autophagy in mature adipocytes. *Autophagy.* 2010 Aug;6(6):754-63.

Flamment M, Kammoun HL, Hainault I, Ferré P, Foufelle F. Endoplasmic reticulum stress: a new actor in the development of hepatic steatosis. *Curr Opin Lipidol.* 2010 Jun;21(3):239-46.

Venteclef N, Jakobsson T, Ehrlund A, Damdimopoulos A, Mikkonen L, Ellis E, Nilsson LM, Parini P, Jänne OA, Gustafsson JA, Steffensen KR, Treuter E. GPS2-dependent corepressor/SUMO pathways govern anti-inflammatory actions of LRH-1 and LXRBeta in the hepatic acute phase response. *Genes Dev.* 2010 Feb 15;24(4):381-95.

Bourron O, Daval M, Hainault I, Hajduch E, Servant JM, Gautier JF, Ferré P, Foufelle F. Biguanides and thiazolidinediones inhibit stimulated lipolysis in human adipocytes through activation of AMP-activated protein kinase. *Diabetologia.* 2010 Apr;53(4):768-78.

Meur G, Simon A, Harun N, Virally M, Dechaume A, Bonnefond A, Fetita S, Tarasov AI, Guillausseau PJ, Boesgaard TW, Pedersen O, Hansen T, Polak M, Gautier JF, Froguel P, Rutter GA, Vaxillaire M. Insulin gene mutations resulting in early-onset diabetes: marked differences in clinical presentation, metabolic status, and pathogenic effect through endoplasmic reticulum retention. *Diabetes.* 2010 Mar;59(3):653-61.

Blouin CM, Le Lay S, Eberl A, Käfeler HC, Guerrera IC, Klein C, Le Liepvre X, Lasnier F, Bourron O, Gautier JF, Ferré P, Hajduch E, Dugail I. Lipid droplet analysis in caveolin-deficient adipocytes: alterations in surface phospholipid composition and maturation defects. *J Lipid Res.* 2010 May;51(5):945-56.

Blouin CM, Prado C, Takane KK, Lasnier F, Garcia-Ocana A, Ferré P, Dugail I, Hajduch E. Plasma membrane subdomain compartmentalization contributes to distinct mechanisms of ceramide action on insulin signaling. *Diabetes.* 2010 Mar;59(3):600-10.

Seedorf K, Ferré P. Emerging topics in type 2 diabetes: new mechanisms leading to new treatments? *Curr Opin Pharmacol*. 2009 Dec;9(6):733-6.

Sajan MP, Bandyopadhyay G, Miura A, Standaert ML, Nimal S, Longnus SL, Van Obberghen E, Hainault I, Fougelle F, Kahn R, Braun U, Leitges M, Farese RV. AICAR and metformin, but not exercise, increase muscle glucose transport through AMPK-, ERK-, and PDK1-dependent activation of atypical PKC. *Am J Physiol Endocrinol Metab*. 2010 Feb;298(2):E179-92.

Stretton C, Litherland GJ, Moynihan A, Hajduch E, Hundal HS. Expression and modulation of TUB by insulin and thyroid hormone in primary rat and murine 3T3-L1 adipocytes. *Biochem Biophys Res Commun*. 2009 Dec 25;390(4):1328-33.

Kotokorpi P, Venteclef N, Ellis E, Gustafsson JA, Mode A. The human ADFP gene is a direct liver-X-receptor (LXR) target gene and differentially regulated by synthetic LXR ligands. *Mol Pharmacol*. 2010 Jan;77(1):79-86.

Lerat H, Kammoun HL, Hainault I, Mérour E, Higgs MR, Callens C, Lemon SM, Fougelle F, Pawlotsky JM. Hepatitis C virus proteins induce lipogenesis and defective triglyceride secretion in transgenic mice. *J Biol Chem*. 2009 Nov 27;284(48):33466-74.

Kammoun HL, Hainault I, Ferré P, Fougelle F. Nutritional related liver disease: targeting the endoplasmic reticulum stress. *Curr Opin Clin Nutr Metab Care*. 2009 Nov;12(6):575-82.

Filhoulaud G, Guillemain G, Scharfmann R. The hexosamine biosynthesis pathway is essential for pancreatic beta cell development. *J Biol Chem*. 2009 Sep 4;284(36):24583-94.

Jakobsson T, Venteclef N, Toresson G, Damdimopoulos AE, Ehrlund A, Lou X, Sanyal S, Steffensen KR, Gustafsson JA, Treuter E. GPS2 is required for cholesterol efflux by triggering histone demethylation, LXR recruitment, and coregulator assembly at the ABCG1 locus. *Mol Cell*. 2009 May 14;34(4):510-8.

Kammoun HL, Chabanon H, Hainault I, Luquet S, Magnan C, Koike T, Ferré P, Fougelle F. GRP78 expression inhibits insulin and ER stress-induced SREBP-1c activation and reduces hepatic steatosis in mice. *J Clin Invest*. 2009 May;119(5):1201-15.

Ehrlund A, Anthonisen EH, Gustafsson N, Venteclef N, Robertson Remen K, Damdimopoulos AE, Galeeva A, Pelto-Huikko M, Lalli E, Steffensen KR, Gustafsson JA, Treuter E. E3 ubiquitin ligase RNF31 cooperates with DAX-1 in transcriptional repression of steroidogenesis. *Mol Cell Biol*. 2009 Apr;29(8):2230-42.

Vija L, Farge D, Gautier JF, Vexiau P, Dumitrache C, Bourgarit A, Verrecchia F, Larghero J. Mesenchymal stem cells: Stem cell therapy perspectives for type 1 diabetes. *Diabetes Metab*. 2009 Apr;35(2):85-93.

Choukem SP, Boudou P, Sobngwi E, Villette JM, Ibrahim F, Moulin P, Hadjadj S, Eberle D, Fougelle F, Vexiau P, Gautier JF. The polymorphism Arg585Gln in the gene of the sterol regulatory element binding protein-1 (SREBP-1) is not a determinant of ketosis prone type 2 diabetes (KPD) in Africans. *Diabetes Metab*. 2009 Feb;35(1):20-4.

Le Lay S, Blouin CM, Hajduch E, Dugail I. Filling up adipocytes with lipids. Lessons from caveolin-1 deficiency. *Biochim Biophys Acta*. 2009 Jun;1791(6):514-8.

Scharfmann R, Duvillie B, Stetsyuk V, Attali M, Filhoulaud G, Guillemain G. Beta-cell development: the role of intercellular signals. *Diabetes Obes Metab.* 2008 Nov;10 Suppl 4:195-200.

Choukem SP, Sobngwi E, Fetita LS, Boudou P, De Kerviler E, Boirie Y, Hainault I, Vexiau P, Mauvais-Jarvis F, Calvo F, Gautier JF. Multitissue insulin resistance despite near-normoglycemic remission in Africans with ketosis-prone diabetes. *Diabetes Care.* 2008 Dec;31(12):2332-7.

Blouin CM, Le Lay S, Lasnier F, Dugail I, Hajduch E. Regulated association of caveolins to lipid droplets during differentiation of 3T3-L1 adipocytes. *Biochem Biophys Res Commun.* 2008 Nov 14;376(2):331-5.

Sobngwi E, Choukem SP, Agbalika F, Blondeau B, Fetita LS, Lebbe C, Thiam D, Cattan P, Larghero J, Fougère F, Ferre P, Vexiau P, Calvo F, Gautier JF. Ketosis-prone type 2 diabetes mellitus and human herpesvirus 8 infection in sub-saharan africans. *JAMA.* 2008 Jun 18;299(23):2770-6.

Phan-Hug F, Guimiot F, Lelièvre V, Delezoide AL, Czernichow P, Breant B, Blondeau B. Potential role of glucocorticoid signaling in the formation of pancreatic islets in the human fetus. *Pediatr Res.* 2008 Oct;64(4):346-51. doi: 10.1203/PDR.0b013e318180a38f. PubMed PMID: 18535489.

Meyer L, Jeantroux J, Riveline JP, Moreau F, Boivin S, Moser T, Pinget M, Jeandidier N. Reversible focal hepatic steatosis in type 1 diabetic patients treated with intraperitoneal insulin implantable pump therapy. *Diabetes Care.* 2008 Jun;31(6):e49.

Duvillie B, Stetsyuk V, Filhoulaud G, Guillemain G, Scharfmann R. Control of pancreatic development by intercellular signals. *Biochem Soc Trans.* 2008 Jun;36(Pt 3):276-9.

Tarasov AI, Nicolson TJ, Riveline JP, Taneja TK, Baldwin SA, Baldwin JM, Charpentier G, Gautier JF, Froguel P, Vaxillaire M, Rutter GA. A rare mutation in ABCC8/SUR1 leading to altered ATP-sensitive K⁺ channel activity and beta-cell glucose sensing is associated with type 2 diabetes in adults. *Diabetes.* 2008 Jun;57(6):1595-604.

Bourron O, Ciangura C, Bouillot JL, Massias L, Poitou C, Oppert JM. Amiodarone-induced hyperthyroidism during massive weight loss following gastric bypass. *Obes Surg.* 2007 Nov;17(11):1525-8.

Louet JF, Smith SB, Gautier JF, Molokhia M, Virally ML, Kevorkian JP, Guillausseau PJ, Vexiau P, Charpentier G, German MS, Vaisse C, Urbanek M, Mauvais-Jarvis F. Gender and neurogenin3 influence the pathogenesis of ketosis-prone diabetes. *Diabetes Obes Metab.* 2008 Sep;10(10):912-20.

Bellanné-Chantelot C, Carette C, Riveline JP, Valéro R, Gautier JF, Larger E, Reznik Y, Ducluzeau PH, Sola A, Hartemann-Heurtier A, Lecomte P, Chaillous L, Laloi-Michelin M, Wilhem JM, Cuny P, Duron F, Guerci B, Jeandidier N, Mosnier-Pudar H, Assayag M, Dubois-Laforgue D, Velho G, Timsit J. The type and the position of HNF1A mutation modulate age at diagnosis of diabetes in patients with maturity-onset diabetes of the young (MODY)-3. *Diabetes.* 2008 Feb;57(2):503-8.

- Hajduch E, Turban S, Le Liepvre X, Le Lay S, Lipina C, Dimopoulos N, Dugail I, Hundal HS. Targeting of PKC ζ and PKB to caveolin-enriched microdomains represents a crucial step underpinning the disruption in PKB-directed signalling by ceramide. *Biochem J*. 2008 Mar 1;410(2):369-79.
- Venteclef N, Haroniti A, Tousaint JJ, Talianidis I, Delerive P. Regulation of anti-atherogenic apolipoprotein M gene expression by the orphan nuclear receptor LRH-1. *J Biol Chem*. 2008 Feb 15;283(7):3694-701. Epub 2007 Oct 31.
- Sobngwi E, Effoe V, Boudou P, Njamien D, Gautier JF, Mbanya JC. Waist circumference does not predict circulating adiponectin levels in sub-Saharan women. *Cardiovasc Diabetol*. 2007 Oct 16;6:31.
- Dumortier O, Blondeau B, Duvill   B, Reusens B, Br  ant B, Remacle C. Different mechanisms operating during different critical time-windows reduce rat fetal beta cell mass due to a maternal low-protein or low-energy diet. *Diabetologia*. 2007 Dec;50(12):2495-503.
- Dugail I, Hajduch E. A new look at adipocyte lipid droplets: towards a role in the sensing of triacylglycerol stores? *Cell Mol Life Sci*. 2007 Oct;64(19-20):2452-8.
- Kallin A, Johannessen LE, Cani PD, Marbehant CY, Essaghir A, Fougelle F, Ferr   P, Heldin CH, Delzenne NM, Demoulin JB. SREBP-1 regulates the expression of heme oxygenase 1 and the phosphatidylinositol-3 kinase regulatory subunit p55 gamma. *J Lipid Res*. 2007 Jul;48(7):1628-36.
- Guillemain G, Filhoulaud G, Da Silva-Xavier G, Rutter GA, Scharfmann R. Glucose is necessary for embryonic pancreatic endocrine cell differentiation. *J Biol Chem*. 2007 May 18;282(20):15228-37.
- Yvan-Charvet L, Bobard A, Bossard P, Massi  ra F, Rousset X, Ailhaud G, Teboul M, Ferr   P, Dagher G, Quignard-Boulang   A. In vivo evidence for a role of adipose tissue SR-BI in the nutritional and hormonal regulation of adiposity and cholesterol homeostasis. *Arterioscler Thromb Vasc Biol*. 2007 Jun;27(6):1340-5.
- Ferr   P, Fougelle F. SREBP-1c transcription factor and lipid homeostasis: clinical perspective. *Horm Res*. 2007;68(2):72-82.
- Guillemain G, Ma E, Mauger S, Miron S, Thai R, Gu  rois R, Ochsenbein F, Marsolier-Kergoat MC. Mechanisms of checkpoint kinase Rad53 inactivation after a double-strand break in *Saccharomyces cerevisiae*. *Mol Cell Biol*. 2007 May;27(9):3378-89.
- Mairesse J, Lesage J, Breton C, Br  ant B, Hahn T, Darnaud  ry M, Dickson SL, Seckl J, Blondeau B, Vieau D, Maccari S, Viltart O. Maternal stress alters endocrine function of the fetoplacental unit in rats. *Am J Physiol Endocrinol Metab*. 2007 Jun;292(6):E1526-33.
- Venteclef N, Delerive P. Interleukin-1 receptor antagonist induction as an additional mechanism for liver receptor homolog-1 to negatively regulate the hepatic acute phase response. *J Biol Chem*. 2007 Feb 16;282(7):4393-9.

Perrier S, Darakhshan F, Hajduch E. IL-1 receptor antagonist in metabolic diseases: Dr Jekyll or Mr Hyde? *FEBS Lett.* 2006 Nov 27;580(27):6289-94.

Gesina E, Blondeau B, Milet A, Le Nin I, Duchene B, Czernichow P, Scharfmann R, Tronche F, Breant B. Glucocorticoid signalling affects pancreatic development through both direct and indirect effects. *Diabetologia.* 2006 Dec;49(12):2939-47

Robichon C, Varret M, Le Liepvre X, Lasnier F, Hajduch E, Ferré P, Dugail I. DnaJA4 is a SREBP-regulated chaperone involved in the cholesterol biosynthesis pathway. *Biochim Biophys Acta.* 2006 Sep;1761(9):1107-13.

Venteclef N, Smith JC, Goodwin B, Delerive P. Liver receptor homolog 1 is a negative regulator of the hepatic acute-phase response. *Mol Cell Biol.* 2006 Sep;26(18):6799-807.

Yvan-Charvet L, Even P, Lamandé N, Ferré P, Quignard-Boulangé A. Prevention of adipose tissue depletion during food deprivation in angiotensin type 2 receptor-deficient mice. *Endocrinology.* 2006 Nov;147(11):5078-86.

Dentin R, Benhamed F, Hainault I, Fauveau V, Fougelle F, Dyck JR, Girard J, Postic C. Liver-specific inhibition of ChREBP improves hepatic steatosis and insulin resistance in ob/ob mice. *Diabetes.* 2006 Aug;55(8):2159-70.

Fetita LS, Sobngwi E, Serradas P, Calvo F, Gautier JF. Consequences of fetal exposure to maternal diabetes in offspring. *J Clin Endocrinol Metab.* 2006 Oct;91(10):3718-24.

Tosca L, Crochet S, Ferré P, Fougelle F, Tesseraud S, Dupont J. AMP-activated protein kinase activation modulates progesterone secretion in granulosa cells from hen preovulatory follicles. *J Endocrinol.* 2006 Jul;190(1):85-97.

Tosca L, Solnais P, Ferré P, Fougelle F, Dupont J. Metformin-induced stimulation of adenosine 5' monophosphate-activated protein kinase (PRKA) impairs progesterone secretion in rat granulosa cells. *Biol Reprod.* 2006 Sep;75(3):342-51.

Daval M, Fougelle F, Ferré P. Functions of AMP-activated protein kinase in adipose tissue. *J Physiol.* 2006 Jul 1;574(Pt 1):55-62. Epub 2006 May 18. Review.

Le Lay S, Hajduch E, Lindsay MR, Le Lièpvre X, Thiele C, Ferré P, Parton RG, Kurzchalia T, Simons K, Dugail I. Cholesterol-induced caveolin targeting to lipid droplets in adipocytes: a role for caveolar endocytosis. *Traffic.* 2006 May;7(5):549-61.

Bréant B, Gesina E, Blondeau B. Nutrition, glucocorticoids and pancreas development. *Horm Res.* 2006;65 Suppl 3:98-104. Epub 2006 Apr 10. Review. Erratum in: *Horm Res.* 2006;65(6):294.

Aymerich I, Fougelle F, Ferré P, Casado FJ, Pastor-Anglada M. Extracellular adenosine activates AMP-dependent protein kinase (AMPK). *J Cell Sci.* 2006 Apr 15;119(Pt 8):1612-21.

Charton J, Girault-Mizzi S, Debreu-Fontaine MA, Fougelle F, Hainault I, Bizot-Espiard JG, Caignard DH, Sergheraert C. Synthesis and biological evaluation of benzimidazole derivatives as potent AMP-activated protein kinase activators. *Bioorg Med Chem.* 2006 Jul 1;14(13):4490-518.

Vernia S, Eberlé D, Hernandez Mijares A, Fougelle F, Casado M. A rare missense mutation in a type 2 diabetes patient decreases the transcriptional activity of human sterol regulatory element binding protein-1. *Hum Mutat.* 2006 Feb;27(2):212.

Moreau K, Dizin E, Ray H, Luquain C, Lefai E, Fougelle F, Billaud M, Lenoir GM, Venezia ND. BRCA1 affects lipid synthesis through its interaction with acetyl-CoA carboxylase. *J Biol Chem.* 2006 Feb 10;281(6):3172-81.

Turban S, Beardmore VA, Carr JM, Sakamoto K, Hajduch E, Arthur JS, Hundal HS. Insulin-stimulated glucose uptake does not require p38 mitogen-activated protein kinase in adipose tissue or skeletal muscle. *Diabetes.* 2005 Nov;54(11):3161-8.

Bellanné-Chantelot C, Clauin S, Chauveau D, Collin P, Daumont M, Douillard C, Dubois-Laforgue D, Dusselier L, Gautier JF, Jadoul M, Laloi-Michelin M, Jacquesson L, Larger E, Louis J, Nicolino M, Subra JF, Wilhem JM, Young J, Velho G, Timsit J. Large genomic rearrangements in the hepatocyte nuclear factor-1beta (TCF2) gene are the most frequent cause of maturity-onset diabetes of the young type 5. *Diabetes.* 2005 Nov;54(11):3126-32.

Achouri Y, Hegarty BD, Allanic D, Bécard D, Hainault I, Ferré P, Fougelle F. Long chain fatty acyl-CoA synthetase 5 expression is induced by insulin and glucose: involvement of sterol regulatory element-binding protein-1c. *Biochimie.* 2005 Dec;87(12):1149-55.

Dentin R, Benhamed F, Pégorier JP, Fougelle F, Viollet B, Vaulont S, Girard J, Postic C. Polyunsaturated fatty acids suppress glycolytic and lipogenic genes through the inhibition of ChREBP nuclear protein translocation. *J Clin Invest.* 2005 Oct;115(10):2843-54.

Corthésy-Theulaz I, den Dunnen JT, Ferré P, Geurts JM, Müller M, van Belzen N, van Ommen B. Nutrigenomics: the impact of biomics technology on nutrition research. *Ann Nutr Metab.* 2005 Nov-Dec;49(6):355-65. Epub 2005 Sep 21.

Tondu AL, Robichon C, Yvan-Charvet L, Donne N, Le Liepvre X, Hajduch E, Ferré P, Dugail I, Dagher G. Insulin and angiotensin II induce the translocation of scavenger receptor class B, type I from intracellular sites to the plasma membrane of adipocytes. *J Biol Chem.* 2005 Sep 30;280(39):33536-40.

Tosca L, Froment P, Solnais P, Ferré P, Fougelle F, Dupont J. Adenosine 5'-monophosphate-activated protein kinase regulates progesterone secretion in rat granulosa cells. *Endocrinology.* 2005 Oct;146(10):4500-13.

Fougelle F, Ferré P. Role of adenosine monophosphate-activated protein kinase in the control of energy homeostasis. *Curr Opin Clin Nutr Metab Care.* 2005 Jul;8(4):355-60.

Sobngwi E, Gautier JF, Kevorkian JP, Villette JM, Riveline JP, Zhang S, Vexiau P, Leal SM, Vaisse C, Mauvais-Jarvis F. High prevalence of glucose-6-phosphate dehydrogenase deficiency without gene mutation suggests a novel genetic mechanism predisposing to ketosis-prone diabetes. *J Clin Endocrinol Metab.* 2005 Aug;90(8):4446-51.

Daval M, Diot-Dupuy F, Bazin R, Hainault I, Viollet B, Vaulont S, Hajduch E, Ferré P, Fougelle F. Anti-lipolytic action of AMP-activated protein kinase in rodent adipocytes. *J Biol Chem.* 2005 Jul 1;280(26):25250-7.

Jones JR, Barrick C, Kim KA, Lindner J, Blondeau B, Fujimoto Y, Shiota M, Kesterson RA, Kahn BB, Magnuson MA. Deletion of PPAR γ in adipose tissues of mice protects against high fat diet-induced obesity and insulin resistance. *Proc Natl Acad Sci U S A.* 2005 Apr 26;102(17):6207-12.

Yvan-Charvet L, Even P, Bloch-Faure M, Guerre-Millo M, Moustaid-Moussa N, Ferre P, Quignard-Boulange A. Deletion of the angiotensin type 2 receptor (AT2R) reduces adipose cell size and protects from diet-induced obesity and insulin resistance. *Diabetes.* 2005 Apr;54(4):991-9.

Swinnen JV, Beckers A, Brusselmans K, Organe S, Segers J, Timmermans L, Vanderhoydonc F, Deboel L, Derua R, Waelkens E, De Schrijver E, Van de Sande T, Noël A, Fougelle F, Verhoeven G. Mimicry of a cellular low energy status blocks tumor cell anabolism and suppresses the malignant phenotype. *Cancer Res.* 2005 Mar 15;65(6):2441-8

Venteclef N, Guillard R, Issandou M. The imidazoline-like drug S23515 affects lipid metabolism in hepatocyte by inhibiting the oxidosqualene: lanosterol cyclase activity. *Biochem Pharmacol.* 2005 Apr 1;69(7):1041-8.

Hegarty BD, Bobard A, Hainault I, Ferré P, Bossard P, Fougelle F. Distinct roles of insulin and liver X receptor in the induction and cleavage of sterol regulatory element-binding protein-1c. *Proc Natl Acad Sci U S A.* 2005 Jan 18;102(3):791-6.

MacAulay K, Blair AS, Hajduch E, Terashima T, Baba O, Sutherland C, Hundal HS. Constitutive activation of GSK3 down-regulates glycogen synthase abundance and glycogen deposition in rat skeletal muscle cells. *J Biol Chem.* 2005 Mar 11;280(10):9509-18.

Hyde R, Hajduch E, Powell DJ, Taylor PM, Hundal HS. Ceramide down-regulates System A amino acid transport and protein synthesis in rat skeletal muscle cells. *FASEB J.* 2005 Mar;19(3):461-3.

Eberlé D, Hegarty B, Bossard P, Ferré P, Fougelle F. SREBP transcription factors: master regulators of lipid homeostasis. *Biochimie.* 2004 Nov;86(11):839-48.

Mauvais-Jarvis F, Smith SB, Le May C, Leal SM, Gautier JF, Molokhia M, Riveline JP, Rajan AS, Kevorkian JP, Zhang S, Vexiau P, German MS, Vaisse C. PAX4 gene variations predispose to ketosis-prone diabetes. *Hum Mol Genet.* 2004 Dec 15;13(24):3151-9.

Bobard A, Hainault I, Ferré P, Fougelle F, Bossard P. Differential regulation of sterol regulatory element-binding protein 1c transcriptional activity by insulin and liver X receptor during liver development. *J Biol Chem.* 2005 Jan 7;280(1):199-206.

Litherland GJ, Hajduch E, Gould GW, Hundal HS. Fructose transport and metabolism in adipose tissue of Zucker rats: diminished GLUT5 activity during obesity and insulin resistance. *Mol Cell Biochem.* 2004 Jun;261(1-2):23-33.

Eberlé D, Clément K, Meyre D, Sahbatou M, Vaxillaire M, Le Gall A, Ferré P, Basdevant A, Froguel P, Fougelle F. SREBF-1 gene polymorphisms are associated with obesity and type 2 diabetes in French obese and diabetic cohorts. *Diabetes*. 2004 Aug;53(8):2153-7.

Powell DJ, Turban S, Gray A, Hajduch E, Hundal HS. Intracellular ceramide synthesis and protein kinase C ζ activation play an essential role in palmitate-induced insulin resistance in rat L6 skeletal muscle cells. *Biochem J*. 2004 Sep 1;382(Pt 2):619-29.