

Publications 2019

[Advances in \$\beta\$ -cell replacement therapy for the treatment of type 1 diabetes.](#)

Vantyghem MC, de Koning EJP, Pattou F, Rickels MR.

Lancet. 2019 Oct 5;394(10205):1274-1285.

doi: 10.1016/S0140-6736(19)31334-0. Epub 2019 Sep 15.

[Human pancreatic islet three-dimensional chromatin architecture provides insights into the genetics of type 2 diabetes.](#)

Miguel-Escalada I, Bonàs-Guarch S, Cebola I, Ponsa-Cobas J, Mendieta-Esteban J, Atla G, Javierre BM, Rolando DMY, Farabella I, Morgan CC, García-Hurtado J, Beucher A, Morán I, Pasquali L, Ramos-Rodríguez M, Appel EVR, Linneberg A, Gjesing AP, Witte DR, Pedersen O, Grarup N, Ravassard P, Torrents D, Mercader JM, Piemonti L, Berney T, de Koning EJP, Kerr-Conte J, Pattou F, Fedko IO, Groop L, Prokopenko I, Hansen T, Marti-Renom MA, Fraser P, Ferrer J.

Nat Genet. 2019 Jul ;51(7) :1137-1148. Doi : 10.1038/s41588-019-0457-0. Epub 2019 Jun 28.

[Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity.](#)

Bravo-San Pedro JM, Sica V, Martins I, Pol J, Loos F, Maiuri MC, Durand S, Bossut N, Aprahamian F, Anagnostopoulos G, Niso-Santano M, Aranda F, Ramírez-Pardo I, Lallement J, Denom J, Boedec E, Gorwood P, Ramoz N, Clément K, Pelloux V, Rohia A, Pattou F, Raverdy V, Caiazzo R, Denis RGP, Boya P, Galluzzi L, Madeo F, Migrenne-Li S, Cruciani-Guglielmacci C, Tavernarakis N, López-Otín C, Magnan C, Kroemer G. Cell Metab. 2019 Oct 1 ;30(4) :754-767.e9. doi : 10.1016/j.cmet.2019.07.010. Epub 2019 Aug 15.

[Loss-of-function mutations in MRAP2 are pathogenic in hyperphagic obesity with hyperglycemia and hypertension.](#)

Baron M, Maillet J, Huyvaert M, Dechaume A, Boutry R, Loisel H, Durand E, Toussaint B, Vaillant E, Philippe J, Thomas J, Ghulam A, Franc S, Charpentier G, Borys JM, Lévy-Marchal C, Tauber M, Scharfmann R, Weill J, Aubert C, Kerr-Conte J, Pattou F, Roussel R, Balkau B, Marre M, Boissel M, Derhourhi M, Gaget S, Canouil M, Froguel P, Bonnefond A.

Nat Med. 2019 Nov ;25(11) :1733-1738. Doi : 10.1038/s41591-019-0622-0. Epub 2019 Nov 7.

[Efficacy and safety of one anastomosis gastric bypass versus Roux-en-Y gastric bypass for obesity \(YOMEGA\): a multicentre, randomised, open-label, non-inferiority trial.](#)

Robert M, Espalieu P, Pelascini E, Caiazzo R, Sterkers A, Khamphommala L, Poghosyan T, Chevallier JM, Malherbe V, Chouillard E, Reche F, Torcivia A, Maucourt-Boulch D, Bin-Dorel S, Langlois-Jacques C, Delaunay D, Pattou F, Disse E.

Lancet. 2019 Mar 30;393(10178):1299-1309. Doi:10.1016/S0140-6736(19)30475-1. Epub 2019 Mar 6.

[Ten-Year Outcome of Islet Alone or Islet After Kidney Transplantation in Type 1 Diabetes: A Prospective Parallel-Arm Cohort Study.](#)

Vantyghem MC, Chetboun M, Gmyr V, Jannin A, Espiard S, Le Mapihan K, Raverdy V, Delalleau N, Machuron F, Hubert T, Frimat M, Van Belle E, Hazzan M, Pigny P, Noel C, Caiazzo R, Kerr-Conte J, Pattou F; Members of the Spanish Back Pain Research Network Task Force for the Improvement of Inter-Disciplinary Management of Spinal Metastasis.

Diabetes Care. 2019 Nov;42(11):2042-2049. doi: 10.2337/dc19-0401

[Lysosomal degradation of newly formed insulin granules contributes to \$\beta\$ cell failure in diabetes.](#)

Pasquier A, Vivot K, Erbs E, Spiegelhalter C, Zhang Z, Aubert V, Liu Z, Senkara M, Maillard E, Pinget M, Kerr-Conte J, **Pattou F**, Marciniak G, Ganzhorn A, Ronchi P, Schieber NL, Schwab Y, Saftig P, Goginashvili A, Ricci R.

Nat Commun. 2019 Jul 25;10(1):3312. doi: 10.1038/s41467-019-11170-4.

[Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration.](#)

Wilman HR, Parisinos CA, Atabaki-Pasdar N, Kelly M, Thomas EL, Neubauer S; IMI DIRECT Consortium, Mahajan A, Hingorani AD, Patel RS, Hemingway H, Franks PW, Bell JD, Banerjee R, Yaghootkar H.

J Hepatol. 2019 Sep;71(3):594-602. doi: 10.1016/j.jhep.2019.05.032. Epub 2019 Jun 19.

[Safety of Islet Autotransplantation After Pancreatectomy for Adenocarcinoma.](#)

Renaud F, Chetboun M, Thevenet J, Delalleau N, Gmyr V, Hubert T, Bonner C, Messenger M, Leteurre E, Mariette C, Kerr-Conte J, Piessen G, Pattou F.
Transplantation. 2019 Jan;103(1):177-181. doi: 10.1097/TP.0000000000002419.

[A Gut Check Explains Improved Glucose Metabolism after Surgery.](#)

Laferrère B, Pattou F.
Cell Metab. 2019 Nov 5;30(5):852-854. doi: 10.1016/j.cmet.2019.10.002.

[Islets for Research: Nothing Is Perfect, but We Can Do Better.](#)

Nano R, Kerr-Conte JA, Bosco D, Karlsson M, Lavallard V, Melzi R, Gmyr V, Mercalli A, Berney T, Pattou F, Korsgren O, Piemonti L.
Diabetes. 2019 Aug;68(8):1541-1543. doi: 10.2337/db19-0367.

[Impact of body mass index on post-thyroidectomy morbidity.](#)

Blanchard C, Bannani S, **Pattou F**, Brunaud L, Hamy A, Christou N, Mathonnet M, Dahan M, Prades JM, Landecy G, Dernis HP, Sebag F, Babin E, Bizon A, Lifante JC, Jegoux F, Volteau C, Caillard C, Riche VP, Mirallié É.
Head Neck. 2019 Sep;41(9):2952-2959. doi: 10.1002/hed.25773. Epub 2019 Apr 19.

[O-GlcNacylation Links TxNIP to Inflammasome Activation in Pancreatic \$\beta\$ Cells.](#)

Filhoulaud G, Benhamed F, Pagesy P, Bonner C, Fardini Y, Ilias A, Movassat J, Burnol AF, Guilmeau S, Kerr-Conte J, Pattou F, Issad T, Postic C.
Front Endocrinol (Lausanne). 2019 May 21;10:291. doi: 10.3389/fendo.2019.00291. eCollection 2019.

[Impact of gestational weight gain on perinatal outcomes after a bariatric surgery.](#)

Grandfils S, Demondion D, Kyheng M, Duhamel A, Lorio E, Pattou F, Deruelle P.
J Gynecol Obstet Hum Reprod. 2019 Jun;48(6):401-405. doi: 10.1016/j.jogoh.2019.03.001. Epub 2019 Mar 19.

[Influence of Daily Variations in Individual Surgeon's Operative Time on Patient Outcomes.](#)

Meunier E, Payet C, Peix JL, Kraimps JL, Menegaux F, Pattou F, Sebag F, Lifante JC, Duclos A; CATHY study group.

World J Surg. 2019 Nov;43(11):2720-2727. doi: 10.1007/s00268-019-05081-0.

[Preclinical Assessment of Leptin Transport into the Cerebrospinal Fluid in Diet-Induced Obese Minipigs.](#)

Chmielewski A, Hubert T, Descamps A, Mazur D, Daoudi M, Ciofi P, Fontaine C, Caiazzo R, Pattou F, Prevot V, Pigeyre M.

Obesity (Silver Spring). 2019 Jun;27(6):950-956. doi: 10.1002/oby.22465. Epub 2019 Apr 21.

[The GLP1R Agonist Liraglutide Reduces Hyperglucagonemia Induced by the SGLT2 Inhibitor Dapagliflozin via Somatostatin Release.](#)

Saponaro C, Gmyr V, Thévenet J, Moerman E, Delalleau N, Pasquetti G, Coddeville A, Quenon A, Daoudi M, Hubert T, Vantyghem MC, Bousquet C, Martineau Y, Kerr-Conte J, Staels B, Pattou F, Bonner C.

Cell Rep. 2019 Aug 6;28(6):1447-1454.e4. doi: 10.1016/j.celrep.2019.07.009.

[Difficulties in emotion regulation and deficits in interoceptive awareness in moderate and severe obesity.](#)

Willem C, Gandolphe MC, Roussel M, Verkindt H, Pattou F, Nandrino JL.

Eat Weight Disord. 2019 Aug;24(4):633-644. doi: 10.1007/s40519-019-00738-0. Epub 2019 Jun 26.

[⁶⁸Ga-Exendin-4 PET/CT Detects Insulinomas in Patients With Endogenous Hyperinsulinemic Hypoglycemia in MEN-1.](#)

Antwi K, Nicolas G, Fani M, Heye T, Pattou F, Grossman A, Chanson P, Reubi JC, Perren A, Gloor B, Vogt DR, Wild D, Christ E.

J Clin Endocrinol Metab. 2019 Dec 1;104(12):5843-5852. doi: 10.1210/jc.2018-02754.

[Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity.](#)

Bravo-San Pedro JM, Sica V, Martins I, Pol J, Loos F, Maiuri MC, Durand S, Bossut N, Aprahamian F, Anagnostopoulos G, Niso-Santano M, Aranda F, Ramírez-Pardo I, Lallement J, Denom J, Boedec E, Gorwood P, Ramoz N, Clément K, Pelloux V, Rohia A, Pattou F, Raverdy V, Caiazzo R, Denis RGP, Boya P, Galluzzi L, Madeo F, Migrenne-Li S, Cruciani-Guglielmacci C, Tavernarakis N, López-Otín C, Magnan C, Kroemer G.
Cell Metab. 2019 Dec 3;30(6):1171. doi: 10.1016/j.cmet.2019.10.011.

[Hepatic transcriptomic signatures of statin treatment are associated with impaired glucose homeostasis in severely obese patients.](#)

Margerie D, Lefebvre P, Raverdy V, Schwahn U, Ruetten H, Larsen P, Duhamel A, Labreuche J, Thuillier D, Derudas B, Gheeraert C, Dehondt H, Dhalluin Q, Alexandre J, Caiazzo R, Nessler P, Verkindt H, Pattou F, Staels B.
BMC Med Genomics. 2019 Jun 3;12(1):80. doi: 10.1186/s12920-019-0536-1.

[One-Year Postoperative Mortality in MEN1 Patients Operated on Gastric and Duodenopancreatic Neuroendocrine Tumors: An AFCE and GTE Cohort Study.](#)

Christou N, Mathonnet M, Gaujoux S, Cadiot G, Deguelte S, Kraimps JL, Lifante JC, Menegaux F, Mirallie E, Muscari F, Carnaille B, Pattou F, Sauvanet A, Goudet P.
World J Surg. 2019 Nov;43(11):2856-2864. doi: 10.1007/s00268-019-05107-7.

[Adrenalectomy Risk Score: An Original Preoperative Surgical Scoring System to Reduce Mortality and Morbidity After Adrenalectomy.](#)

Caiazzo R, Marciniak C, Lenne X, Clément G, Theis D, Ménégau F, Sebag F, Brunaud L, Lifante JC, Mirallie E, Bruandet A, Pattou F; AFCE Study group.
Ann Surg. 2019 Nov;270(5):813-819. doi: 10.1097/SLA.0000000000003526.

[NIFT-P: Are they indolent tumors? Results of a multi-institutional study.](#)

Chereau N, Greilsamer T, Mirallié E, Sadowski SM, Pusztaszeri M, Triponez F, Baud G, Pattou F, Christou N, Mathonnet M, Brunaud L, Santucci N, Goudet P, Guérin C, Sebag F, Donatini G, Kraimps JL, Tissier F, Lussey-Lepoutre C, Leenhardt L, Menegaux F.
Surgery. 2019 Jan;165(1):12-16. doi: 10.1016/j.surg.2018.04.089. Epub 2018 Nov 9.

[Coxsackievirus-B4 Infection of Human Primary Pancreatic Ductal Cell Cultures Results in Impairment of Differentiation into Insulin-Producing Cells.](#)

Bertin A, Sane F, Gmyr V, Lobert D, Dechaumes A, Kerr-Conte J, Pattou F, Hober D.
Viruses. 2019 Jul 2;11(7):597. doi: 10.3390/v11070597.

[Management of Acute Gallstone Cholangitis after Roux-en-Y Gastric Bypass with Laparoscopic Transgastric Endoscopic Retrograde Cholangiopancreatography.](#)

Borel F, Branche J, Baud G, Gérard R, Pattou F, Caiazzo R.
Obes Surg. 2019 Feb;29(2):747-748. doi: 10.1007/s11695-018-3620-2.

[Single Low Dose of Human Recombinant Antithrombin \(ATryn\) has no Impact on Endotoxin-Induced Disseminated Intravascular Coagulation: An Experimental Randomized Open Label Controlled Study.](#)

Duburcq T, Durand A, Tournoy A, Gnemmi V, Bonner C, Gmyr V, Hubert T, Pattou F, Jourdain M.
Shock. 2019 Oct;52(4):e60-e67. doi: 10.1097/SHK.0000000000001274.

[The expression of genes in top obesity-associated loci is enriched in insula and substantia nigra brain regions involved in addiction and reward.](#)

Ndiaye FK, Huyvaert M, Ortalli A, Canouil M, Lecoœur C, Verbanck M, Lobbens S, Khamis A, Marselli L, Marchetti P, Kerr-Conte J, Pattou F, Marre M, Roussel R, Balkau B, Froguel P, Bonnefond A.
Int J Obes (Lond). 2020 Feb;44(2):539-543. doi: 10.1038/s41366-019-0428-7.
Epub 2019 Aug 6.

[A nanobody-based nuclear imaging tracer targeting dipeptidyl peptidase 6 to determine the mass of human beta cell grafts in mice.](#)

Demine S, Garcia Ribeiro R, Thevenet J, Marselli L, Marchetti P, Pattou F, Kerr-Conte J, Devoogdt N, Eizirik DL.

Diabetologia. 2020 Apr;63(4):825-836. doi: 10.1007/s00125-019-05068-5. Epub 2019 Dec 23.

[Advanced age does not increase morbidity after total thyroidectomy. Result of a prospective study.](#)

Christou N, Blanchard C, Pattou F, Volteau C, Brunaud L, Hamy A, Dahan M, Prades JM, Landecy G, Dernis HP, Lifante JC, Sebag F, Jegoux F, Babin E, Bizon A, Caillard C, Mathonnet M, Mirallié E.

Am J Surg. 2019 Apr;217(4):767-771. doi: 10.1016/j.amjsurg.2018.07.029. Epub 2018 Jul 25.