

## Publications 2015

### Is it possible to limit the risks of thyroid surgery?

Daher R, Lifante JC, Voirin N, Peix JL, Colin C, Kraimps JL, Menegaux F, **Pattou F**, Sebag F, Touzet S, Bourdy S, Duclos A; CATHY Study Group.  
Ann Endocrinol (Paris). **2015** Feb;76(1 Suppl 1):1S16-26. doi: 10.1016/S0003-4266(16)30010-5.

### Transducin-like enhancer of split-1 is expressed and functional in human macrophages.

De Paoli F, Copin C, Vanhoutte J, Derudas B, Vinod M, Zawadzki C, Susen S, **Pattou F**, Haulon S, Staels B, Eeckhoutte J, Chinetti-Gbaguidi G.  
FEBS Lett. 2016 Jan;590(1):43-52. doi: 10.1002/1873-3468.12029. Epub **2015** Dec 30.

### Splenic abscess with portal venous gas caused by intrasplenic migration of an endoscopic double pigtail drain as a treatment of post-sleeve gastrectomy fistula.

Genser L, **Pattou F**, Caiazzo R.  
Surg Obes Relat Dis. 2016 Jan;12(1):e1-3. doi: 10.1016/j.soard.2015.07.017. Epub **2015** Jul 29. No abstract available.

### Does pregnancy influence long-term results of bariatric surgery?

Quynh Pham T, Pigeyre M, Caiazzo R, Verkindt H, Deruelle P, **Pattou F**.  
Surg Obes Relat Dis. **2015** Sep-Oct;11(5):1134-9. doi: 10.1016/j.soard.2015.03.015.  
Epub **2015** Mar 31.

### E2F1 mediates sustained lipogenesis and contributes to hepatic steatosis.

Denechaud PD, Lopez-Mejia IC, Giralt A, Lai Q, Blanchet E, Delacuisine B, Nicolay BN, Dyson NJ, Bonner C, **Pattou F**, Annicotte JS, Fajas L.  
J Clin Invest. 2016 Jan;126(1):137-50. doi: 10.1172/JCI81542. Epub **2015** Nov 30.

### Reply.

Lassailly G, Caiazzo R, Mathurin P, **Pattou F**.  
Gastroenterology. 2016 Jan;150(1):284-5. doi: 10.1053/j.gastro.2015.11.035. Epub **2015** Nov 23. No abstract available.

### Ectopic Subcutaneous Implantation of Thyroid Tissue After Gasless Transaxillary Robotic Thyroidectomy for Papillary Thyroid Cancer.

Espiard S, Petyt G, Lion G, Béron A, Do Cao C, Wémeau JL, Vantyghem MC, **Pattou F**, Caiazzo R.  
Thyroid. **2015** Dec;25(12):1381-2. doi: 10.1089/thy.2015.0177. No abstract available.

### The kynurenine pathway is activated in human obesity and shifted toward kynurenine monooxygenase activation.

Favennec M, Hennart B, Caiazzo R, Leloire A, Yengo L, Verbanck M, Arredouani A, Marre M, Pigeyre M, Bessede A, Guillemin GJ, Chinetti G, Staels B, **Pattou F**, Balkau B, Allorge D, Froguel P, Poulain-Godefroy O.  
Obesity (Silver Spring). **2015** Oct;23(10):2066-74. doi: 10.1002/oby.21199. Epub **2015** Sep 8.  
Erratum in: [Obesity \(Silver Spring\). 2016 Aug;24\(8\):1821.](#)

Islet Cells Serve as Cells of Origin of Pancreatic Gastrin-Positive Endocrine Tumors.

Bonnaïon R, Teinturier R, Jaafar R, Ripoche D, Leteurtre E, Chen YJ, Rehfeld JF, Lepinasse F, Hervieu V, **Pattou F**, Vantyghem MC, Scoazec JY, Bertolino P, Zhang CX.  
Mol Cell Biol. **2015** Oct;35(19):3274-83. doi: 10.1128/MCB.00302-15. Epub **2015** Jul 13.

Farnesoid X receptor inhibits glucagon-like peptide-1 production by enteroendocrine L cells.

Trabelsi MS, Daoudi M, Prawitt J, Ducastel S, Touche V, Sayin SI, Perino A, Brighton CA, Sebti Y, Kluza J, Briand O, Dehondt H, Vallez E, Dorchie E, Baud G, Spinelli V, Hennuyer N, Caron S, Bantubungi K, Caiazzo R, Reimann F, Marchetti P, Lefebvre P, Bäckhed F, Gribble FM, Schoonjans K, **Pattou F**, Tailleux A, Staels B, Lestavel S.  
Nat Commun. **2015** Jul 2;6:7629. doi: 10.1038/ncomms8629.

IMPACT OF OBESITY ON ENDOTOXIN-INDUCED DISSEMINATED INTRAVASCULAR COAGULATION.

Duburcq T, Tournoy A, Gnemmi V, Hubert T, Gmyr V, **Pattou F**, Jourdain M.  
Shock. **2015** Oct;44(4):341-7. doi: 10.1097/SHK.0000000000000428.

Bariatric surgery, lipoprotein metabolism and cardiovascular risk.

Tailleux A, Rouskas K, **Pattou F**, Staels B.  
Curr Opin Lipidol. **2015** Aug;26(4):317-24. doi: 10.1097/MOL.0000000000000197. Review.

Epigenome-wide association of DNA methylation markers in peripheral blood from Indian Asians and Europeans with incident type 2 diabetes: a nested case-control study.

Chambers JC, Loh M, Lehne B, Drong A, Kriebel J, Motta V, Wahl S, Elliott HR, Rota F, Scott WR, Zhang W, Tan ST, Campanella G, Chadeau-Hyam M, Yengo L, Richmond RC, Adamowicz-Brice M, Afzal U, Bozaoglu K, Mok ZY, Ng HK, **Pattou F**, Prokisch H, Rozario MA, Tarantini L, Abbott J, Ala-Korpela M, Albetti B, Ammerpohl O, Bertazzi PA, Blancher C, Caiazzo R, Danesh J, Gaunt TR, de Lusignan S, Gieger C, Illig T, Jha S, Jones S, Jowett J, Kangas AJ, Kasturiratne A, Kato N, Kotea N, Kowlessur S, Pitkaniemi J, Punjabi P, Saleheen D, Schafmayer C, Soininen P, Tai ES, Thorand B, Tuomilehto J, Wickremasinghe AR, Kyrtopoulos SA, Aitman TJ, Herder C, Hampe J, Cauchi S, Relton CL, Froguel P, Soong R, Vineis P, Jarvelin MR, Scott J, Grallert H, Bollati V, Elliott P, McCarthy MI, Kooner JS.  
Lancet Diabetes Endocrinol. **2015** Jul;3(7):526-534. doi: 10.1016/S2213-8587(15)00127-8. Epub **2015** Jun 18.

The microRNA-200 family regulates pancreatic beta cell survival in type 2 diabetes.

Belgardt BF, Ahmed K, Spranger M, Latreille M, Denzler R, Kondratiuk N, von Meyenn F, Villena FN, Herrmanns K, Bosco D, Kerr-Conte J, **Pattou F**, Rülcke T, Stoffel M.  
Nat Med. **2015** Jun;21(6):619-27. doi: 10.1038/nm.3862. Epub **2015** May 18.

MicroRNA-26a regulates insulin sensitivity and metabolism of glucose and lipids.

Fu X, Dong B, Tian Y, Lefebvre P, Meng Z, Wang X, **Pattou F**, Han W, Wang X, Lou F, Jove R, Staels B, Moore DD, Huang W.  
J Clin Invest. **2015** Jun;125(6):2497-509. doi: 10.1172/JCI75438. Epub **2015** May 11.

Bariatric Surgery Reduces Features of Nonalcoholic Steatohepatitis in Morbidly Obese Patients.

Lassailly G, Caiazzo R, Buob D, Pigeyre M, Verkindt H, Labreuche J, Raverdy V, Leteurtre E, Dharancy S, Louvet A, Romon M, Duhamel A, **Pattou F**, Mathurin P.  
Gastroenterology. **2015** Aug;149(2):379-88; quiz e15-6. doi: 10.1053/j.gastro.2015.04.014. Epub **2015** Apr 25.

Inhibition of the glucose transporter SGLT2 with dapagliflozin in pancreatic alpha cells triggers glucagon secretion.

Bonner C, Kerr-Conte J, Gmyr V, Queniat G, Moerman E, Thévenet J, Beaucamps C, Delalleau N, Popescu I, Malaisse WJ, Sener A, Deprez B, Abderrahmani A, Staels B, **Pattou F**.  
Nat Med. **2015** May;21(5):512-7. doi: 10.1038/nm.3828. Epub **2015** Apr 20.

Increased risk of OGTT-induced hypoglycemia after gastric bypass in severely obese patients with normal glucose tolerance.

Pigeyre M, Vauris C, Raverdy V, Hanaire H, Ritz P, **Pattou F**.  
Surg Obes Relat Dis. **2015** May-Jun;11(3):573-7. doi: 10.1016/j.soard.2014.12.004. Epub 2014 Dec 15.

Retrograde jejuno-jejunal intussusception 7years after a Roux-en-Y gastric bypass.

Genser L, **Pattou F**, Caiazzo R.  
J Visc Surg. **2015** Apr;152(2):137-9. doi: 10.1016/j.jviscsurg.2015.02.010. Epub **2015** Mar 20.  
No abstract available.

Laparoscopic spleen-preserving distal pancreatectomy for IPMN (with video).

Alharthi M, Genser L, Caiazzo R, **Pattou F**.  
J Visc Surg. **2015** Sep;152(4):265-7. doi: 10.1016/j.jviscsurg.2015.02.008. Epub **2015** Mar 18.  
No abstract available.

Creating conditions for the success of the French industrial advanced therapy sector.

Lirsac PN, Blin O, Magalon J; participants of round table N°5 of Giens XXX; Angot P, de Barbeyrac E, Bilbault P, Bourg E, Damour O, Faure P, Ferry N, Garbil B, Larghero J, Nguon M, **Pattou F**, Thumelin S, Yates F.  
Therapie. **2015** Jan-Feb;70(1):69-94. doi: 10.2515/therapie/2015005. Epub **2015** Mar 6.  
English, French.

Human islet distribution programme for basic research: activity over the last 5 years.

Nano R, Bosco D, Kerr-Conte JA, Karlsson M, Charvier S, Melzi R, Ezzouaoui R, Mercalli A, Hwa A, **Pattou F**, Korsgren O, Berney T, Piemonti L.  
Diabetologia. **2015** May;58(5):1138-40. doi: 10.1007/s00125-015-3536-5. Epub **2015** Feb 21.  
No abstract available.

Rapid and body weight-independent improvement of endothelial and high-density lipoprotein function after Roux-en-Y gastric bypass: role of glucagon-like peptide-1.

Osto E, Doytcheva P, Corteville C, Bueter M, Dörig C, Stivala S, Buhmann H, Colin S, Rohrer L, Hasballa R, Tailleux A, Wolfrum C, Tona F, Manz J, Vetter D, Spliethoff K, Vanhoutte PM, Landmesser U, **Pattou F**, Staels B, Matter CM, Lutz TA, Lüscher TF.  
Circulation. **2015** Mar 10;131(10):871-81. doi: 10.1161/CIRCULATIONAHA.114.011791. Epub **2015** Feb 11.

The coronary artery disease-associated gene C6ORF105 is expressed in human macrophages under the transcriptional control of PPARγ.

Chinetti-Gbaguidi G, Copin C, Derudas B, Vanhoutte J, Zawadzki C, Jude B, Haulon S, **Pattou F**, Marx N, Staels B.  
FEBS Lett. **2015** Feb 13;589(4):461-6. doi: 10.1016/j.febslet.2015.01.002. Epub **2015** Jan 14.

Créer les conditions du succès de la filière industrielle française des thérapies innovantes.

Lirsac PN, Blin O, Magalon J; et les participants à la table ronde N°5 de Giens XXX :, Angot P, de Barbeyrac E, Bilbault P, Bourg E, Damour O, Faure P, Ferry N, Garbil B, Larghero J, Nguon M, **Pattou F**, Thumelin S, Yates F.

Thérapie. **2015** Jan-Feb;70(1):69-81. doi: 10.2515/therapie/2014225. French. No abstract available.

Long-term results of the surgical management of insulinoma patients with MEN1: a Groupe d'étude des Tumeurs Endocrines (GTE) retrospective study.

Vezzosi D, Cardot-Bauters C, Bouscaren N, Lebras M, Bertholon-Grégoire M, Niccoli P, Levy-Bohbot N, Groussin L, Bouchard P, Tabarin A, Chanson P, Lecomte P, Guilhem I, Carrere N, Mirallié E, **Pattou F**, Peix JL, Goere D, Borson-Chazot F, Caron P, Bongard V, Carnaille B, Goudet P, Baudin E.

Eur J Endocrinol. **2015** Mar;172(3):309-19. doi: 10.1530/EJE-14-0878. Epub 2014 Dec 23.

Impact of Procedure-Related Complications on Long-term Islet Transplantation Outcome.

Caiazzo R, Vantyghem MC, Raverdi V, Bonner C, Gmyr V, Defrance F, Leroy C, Sergent G, Hubert T, Ernst O, Noel C, Kerr-Conte J, **Pattou F**.

Transplantation. **2015** May;99(5):979-84. doi: 10.1097/TP.0000000000000458.

Angiotensin II induces interleukin-1 $\beta$ -mediated islet inflammation and  $\beta$ -cell dysfunction independently of vasoconstrictive effects.

Sauter NS, Thienel C, Plutino Y, Kampe K, Dror E, Traub S, Timper K, Bédar B, **Pattou F**, Kerr-Conte J, Jehle AW, Böni-Schnetzler M, Donath MY.

Diabetes. **2015** Apr;64(4):1273-83. doi: 10.2337/db14-1282. Epub 2014 Oct 28.

Automated digital image analysis of islet cell mass using Nikon's inverted eclipse Ti microscope and software to improve engraftment may help to advance the therapeutic efficacy and accessibility of islet transplantation across centers.

Gmyr V, Bonner C, Lukowiak B, Pawlowski V, Dellaleau N, Belaich S, Aluka I, Moermann E, Thevenet J, Ezzouaoui R, Queniat G, **Pattou F**, Kerr-Conte J.

Cell Transplant. **2015**;24(1):1-9. doi: 10.3727/096368913X667493. Epub 2013 May 15.