

ARTICLES PUBLIES DANS DES JOURNAUX A COMITE DE LECTURE

I. Lema, J.R. Araújo, N. Rolhion, **S. Demignot** [✉] (2020)

Jejunum: The understudied meeting place of dietary lipids and the microbiota
Biochimie, 178 :124-136. (Invited review)

J.R. Araujo, A. Tazi, O. Burlen-Defranoux, S. Vichier-Guerre, G. Nigro, H. Licandro, **S. Demignot**, P. Sansonetti [✉] (2020)

Fermentation products of commensal bacteria alter enterocyte lipid metabolism
Cell Host Microbe, 27(3):358-375.

E. Morel, S. Ghezzal, G. Lucchi, C. Truntzer, J.P. Pais de Barros, F. Simon-Plas, **S. Demignot**, C. Mineo, P.W. Shaul, A. Leturque, M. Rousset, V. Carriere[✉] (2018)

Cholesterol trafficking and raft-like membrane domain composition mediate scavenger receptor class B type 1-dependent lipid sensing in intestinal epithelial cells.
Biochim Biophys Acta (Mol & Cell Biol Lipids), 1863(2):199-211.

F. Beilstein*, M. Lemasson*, V. Pene, D. Rainteau, **S. Demignot** ^{†,✉}, A.R. Rosenberg ^{†,✉} (2017)
Lysophosphatidylcholine acyltransferase 1 is downregulated by hepatitis C virus: impact on production of lipo-virion particles.

Gut, 66(12): 2160-2

* : co-premiers auteurs † : co- derniers auteurs et co-auteurs correspondants

T.T. Tran, B.G. Postal, **S. Demignot**, A. Ribeiro, C. Osinski, J.P. Pais de Barros, A. Blachnio-Zabielska, A. Leturque, M. Rousset, P. Ferre, E. Hajduch, V. Carriere[✉] (2016)

Short Term Palmitate Supply Impairs Intestinal Insulin Signaling via Ceramide Production
J Biol Chem, 291(31):16328-16338.

F. Beilstein, V. Carriere, A. Leturque, **S. Demignot**[✉] (2016)

Characteristics and functions of lipid droplets and associated proteins in enterocytes.
Exp Cell Res, 340(2):172-179. (Invited review)

S.A. Khaldoun, M.A. Emond-Boisjoly, D. Chateau, V. Carriere, M. Lacasa, M. Rousset, **S. Demignot**, E. Morel[✉] (2014)

Autophagosomes contribute to intracellular lipid distribution in enterocytes.
Mol Biol Cell, 25(1):118-132.

S. Demignot[✉], F. Beilstein, E. Morel (2014)

Triglyceride-rich lipoproteins and cytosolic lipid droplets in enterocytes: key players in intestinal physiology and metabolic disorders.

Biochimie, 96: 48-55. (invited review)

F. Beilstein, J. Bouchoux, M. Rousset, **S. Demignot**[✉] (2013)

Proteomic analysis of lipid droplets from Caco-2/TC7 enterocytes identifies novel modulators of lipid secretion
PLoS One, 8(1): e53017.

J. Bouchoux, F. Beilstein, T. Pauquai, I.C. Guerrero, D. Chateau, N. Ly, M. Alqub, C. Klein, J. Chambaz, M. Rousset, J.M. Lacorte, E. Morel, **S. Demignot**[✉] (2011)

The proteome of cytosolic lipid droplets isolated from differentiated Caco-2/TC7 enterocytes reveals cell-specific characteristics.

Biol Cell, 103(11): 499-517.

P. Podevin, A. Carpentier, V. Pene, L. Aoudjehane, M. Carriere, S. Zaidi, C. Hernandez, V. Calle, J.F. Meritet, O. Scatton, M. Dreux, F.L. Cosset, T. Wakita, R. Bartenschlager, **S. Demignot**, F. Conti, A.R. Rosenberg[✉], Y. Calmus (2010)

Production of infectious hepatitis C virus in primary cultures of human adult hepatocytes,

Gastroenterology, 139(4):1355-1364.

Editorial associée

Lindenbach, B. D. 2010. New cell culture models of hepatitis C virus entry, replication, and virus production.

Gastroenterology 139 : 1090-1093.

T. Pauquai, J. Bouchoux, D. Chateau, R. Vidal, M. Rousset, J. Chambaz, **S. Demignot**[✉] (2006) Adaptation of enterocytic Caco-2 cells to glucose modulates triacylglycerol-rich lipoprotein secretion through triacylglycerol targeting into the endoplasmic reticulum lumen.

Biochem J, 395(2): 393-403.

- O. Diaz, F. Delers, M. Maynard, **S. Demignot**, F. Zoulim, J. Chambaz, C. Trepo, V. Lotteau, P. Andre[✉] (2006)
Preferential association of Hepatitis C virus with apolipoprotein B48-containing lipoproteins.
J Gen Virol, 87(10): 2983-2991.
- R. Vidal, S. Hernandez-Vallejo, T. Pauquai, O. Texier, M. Rousset, J. Chambaz, **S. Demignot**, J.M. Lacorte[✉] (2005)
Apple procyanidins decrease cholesterol esterification and lipoprotein secretion in Caco-2/TC7 enterocytes.
J Lipid Res, 46(2): 258-268.
- D. Chateau, T. Pauquai, F. Delers, M. Rousset, J. Chambaz, **S. Demignot**[✉] (2005)
Lipid micelles stimulate the secretion of triglyceride-enriched apolipoprotein B48-containing lipoproteins by Caco-2 cells.
J Cell Physiol, 202 (3) 767-776.
- E. Morel, **S. Demignot**, D. Chateau, J. Chambaz, M. Rousset, F. Delers[✉] (2004)
Lipid-dependent bidirectional traffic of apolipoprotein B in polarized enterocytes.
Mol Biol Cell, 15(1):132-141.
- M. Adolphe, **S. Demignot** (2000)
[Versatility of differentiated functions of cultured joint chondrocytes. Eventual usefulness in treatment].
Bull Acad Natl Med, 184(3): 593-600; discussion 601-604.
- F. Lemare, N. Steimberg, C. Le Griel, **S. Demignot**[✉], M. Adolphe (1998)
Dedifferentiated chondrocytes cultured in alginate beads: restoration of the differentiated phenotype and of the metabolic responses to interleukin-1beta.
J Cell Physiol, 176(2): 303-313.
- M. Lajemi, **S. Demignot**[✉], M. Adolphe (1998)
Detection and characterization, using fluoresceincadaverine, of amine acceptor protein substrates accessible to active transglutaminase expressed by rabbit articular chondrocytes.
Histochem J, 30(7): 499-508.
- M. Lajemi, **S. Demignot**[✉], L. Borge, S. Thenet-Gauci, M. Adolphe (1997)
The use of Fluoresceincadaverine for detecting amine acceptor protein substrates accessible to active transglutaminase in living cells.
Histochem J, 29(8): 593-606.
- L. Borge, F. Lemare, **S. Demignot**[✉], M. Adolphe (1997)
Restoration of the differentiated functions of serially passaged chondrocytes using staurosporine.
In Vitro Cell Dev Biol Anim, 33(9): 703-709.
- L. Borge, **S. Demignot**[✉], M. Adolphe (1996)
Type II transglutaminase expression in rabbit articular chondrocytes in culture: relation with cell differentiation, cell growth, cell adhesion and cell apoptosis.
Biochim Biophys Acta (Molec Cell Res), 1312(2): 117-124.
- S. Lacombe-Gleize, M. Gregoire, **S. Demignot**, C. Hecquet, M. Adolphe (1995)
Implication of TGF beta 1 in co-culture of chondrocytes-osteoblasts.
In Vitro Cell Dev Biol Anim, 31(9): 649-652.
- S. Demignot**[✉], L. Borge, M. Adolphe (1995)
Transglutaminase activity in rabbit articular chondrocytes in culture,
Biochim Biophys Acta (Molec Cell Res), 1266(2): 163-170.
- B. Benoit, S. Thenet-Gauci, F. Hoffschir, P. Penfornis, **S. Demignot**, M. Adolphe (1995)
SV40 large T antigen immortalization of human articular chondrocytes.
In Vitro Cell Dev Biol Anim, 31(3): 174-177.
- G. Verbruggen, A.M. Malfait, K.F. Almqvist, E.M. Veys, S. Thenet, B. Benoit, **S. Demignot**, A. Tachet des Combes, M. Adolphe (1993)
Development of immortalized human articular cartilage cell lines,
Agents Actions Suppl, 39:267-272.
- M.V. Pimm[✉], **S. Demignot**, S.J. Gribben (1993)
Influence of syngeneic monoclonal anti-idiotypic antibodies to murine monoclonal antibodies against tumour-associated antigens on the biodistribution of their target antibodies and their fragments.
J Cancer Res Clin Oncol, 119(7): 408-414.
- A. Aubree-Lecat, M.C. Duban, **S. Demignot**, M. Domurado, P. Fournie, D. Domurado[✉] (1993)
Influence of barrier-crossing limitations on the amount of macromolecular drug taken up by its target.
J Pharmacokinet Biopharm, 21(1): 75-98.

S. Thenet[✉], P.D. Benya, **S. Demignot**, J. Feunteun, M. Adolphe (1992)
SV40-immortalization of rabbit articular chondrocytes: alteration of differentiated functions.
J Cell Physiol, 150(1): 158-167.

S. Demignot, M.V. Pimm, S.R. Thorpe, R.W. Baldwin (1991)
Differences between the catabolism and tumour distribution of intact monoclonal antibody (791T/36) and its Fab/c fragment in mice with tumour xenografts revealed by the use of a residualizing radiolabel (dilactitol-125I-tyramine) and autoradiography.
Cancer Immunol Immunother, 33(6): 359-366.

M. Adolphe, S. Thenet, F. Vincent, **S. Demignot** (1991)
Monolayer, tridimensional and immortalized cell line cultures as models in pharmacology and toxicology.
Toxicol In Vitro, 5(5-6): 367-371.

S. Demignot, M.V. Pimm, R.W. Baldwin (1990)
Comparison of biodistribution of 791T/36 monoclonal antibody and its Fab/c fragment in BALB/c mice and nude mice bearing human tumor xenografts.
Cancer Res, 50(10): 2936-2942.

S. Demignot[✉], M.C. Garnett, R.W. Baldwin (1989)
Mouse IgG2b monoclonal antibody fragmentation. Preparation and purification of Fab, Fc and Fab/c fragments.
J Immunol Methods, 121(2): 209-217.

S. Demignot, D. Domurado[✉] (1988)
Elimination of artifacts due to glutaraldehyde fixation in the histochemical detection of glucose oxidase with tetrazolium salts.
Histochem J, 20(1): 11-18.

F.N. Kolisis, **S. Demignot**, D. Domurado[✉] (1987)
In vivo behavior of glucose oxidase derivatives of prolonged plasmatic half-life.
Ann N Y Acad Sci, 501: 454-462.

S. Demignot, D. Domurado[✉] (1987)
Effect of prosthetic sugar groups on the pharmacokinetics of glucose-oxidase.
Drug Des Deliv, 1: 333-348.

CONTRIBUTION A OUVRAGES, PUBLICATIONS DIDACTIQUES

S. Demignot et O Dutour (2018) La physiologie en III^{ème} section : les commencements *In* : L'Ecole Pratique des Hautes Etudes : Invention, Erudition, Innovation de 1868 à nos jours. Edité sous la direction de Patrick Henriët, Somogy Editions d'Art, pp 211-217.

S. Demignot et M Chabert (2018) Lucie Randoin *In* : L'Ecole Pratique des Hautes Etudes : Invention, Erudition, Innovation de 1868 à nos jours. Edité sous la direction de Patrick Henriët, Somogy Editions d'Art, pp 221-222.

S. Demignot et O Dutour (2018) Paul Bert *In* : L'Ecole Pratique des Hautes Etudes: Invention, Erudition, Innovation de 1868 à nos jours. Edité sous la direction de Patrick Henriët, Somogy Editions d'Art, pp 235.

F. Lemare, **S. Demignot** (2015) Cartilage *In* : Culture of animal cells. A manual of basic technique and specialized applications. (Seventh edition) R.I. Freshney Editor, John Wiley & sons, Inc, New York.

F. Lemare, **S. Demignot** (2010) Cartilage *In* : Culture of animal cells. A manual of basic technique and specialized applications. (Sixth edition) R.I. Freshney Editor, John Wiley & sons, Inc, New York.

F. Lemare, S. Thenet, **S Demignot** (2005) Cartilage *In* : Culture of animal cells. A manual of basic technique. (Fifth edition) R.I. Freshney Editor, John Wiley & sons, Inc, New York.

F. Lemare, **S. Demignot**, M. Adolphe (2003) Culture de chondrocytes articulaires. *In* : Culture de cellules animales. G. Barlovatz and M. Adolphe Editors, Editions INSERM, Paris, pp 393-411.

F. Lemare, S. Thenet, **S. Demignot**, M. Adolphe (2000) Cartilage *In* : Culture of animal cells. A manual of basic technique. (Fourth edition) R.I. Freshney Editor, John Wiley & sons, Inc, New York, pp 367-370.

M. Adolphe, S. Thenet-Gauci, **S Demignot** (1997) Chondrocyte culture : a target system to evaluate pharmacotoxicological effects of drugs. *In* : In vitro methods in pharmaceutical research J. V. Castell and M. J. Gomez-Lechon eds, Academic Press, pp.181-207.

G. Verbruggen, A.M. Malfait, K.F. Almqvist, E.M. Veys, S. Thenet, B. Benoit, **S. Demignot**, A. Tachet des Combes, M. Adolphe (1993) Development of immortalized human articular cartilage cell lines *In* : Joint destruction in arthritis and osteoarthritis ; Agents and Actions Supplements, vol 39, W. B. Van Den Berg, P. M. Van Der Kraan and P. L . E. M. Van Lent eds. Birkhäuser Verlag Basel, pp. 267-272.

S. Thenet, S. Demignot, M. Adolphe (1991) Modulation de l'expression des fonctions différenciées chez les chondrocytes immortalisés par SV 40. *Medecine/Sciences* 7: XXII-XXIII.

D. Lebeller, E Picque, **S. Demignot** (1986) Peroxidase localization in the seeds of *Brassica juncea*. *In* : "Molecular and physiological aspects of plant peroxidases" Greppin H., Penel C. et Gaspar Th. eds, Imprimerie nationale, Genève, pp 451-454.

D. Domurado, **S. Demignot**, M-H Remy (1985) Utilisation actuelle et potentielle des enzymes en thérapeutique humaine. *Biofutur* 35: 73-77.