

## Diabetes\_Obesity\_Metabolic syndrome

Intermittent fasting resolves dyslipidemia and atherogenesis in apolipoprotein E-deficient mice in a diet-dependent manner, irrespective of sex

Jules Mérian, Lamia Ghezali, Charlotte Trenteseaux, Thibaut Duparc, Diane Beuzelin, Vanessa Bouguetoch,

---

An Original Asteraceae Based Infused Drink Prevents

Metabolic Syndrome in Fructose-Rat Model

Arezki Yanis Idres, Didier Tusch, Claudie Dhuyque-Mayer, Imane Hammad, Karen Lambert, Guillaume Cazals, Karine Portet, Karine Ferrare, Luc. P. R. Bidet and Patrick Poucheret

MDPI, Antioxydants 2023, 12, 340, 2023 01 31; DOI : <https://doi.org/10.3390/antiox12020340>

WEB >> <file:///C:/Users/epetit/Downloads/antioxydants-12-00340.pdf>

---

Small RNAs derived from tRNA fragmentation regulate the functional maturation of neonatal  $\beta$  cells

Mustafa Bilal Bayazit, Cécile Jacovetti, Cristina Cosentino, Jonathan Sobel, Kejing Wu, Flora Brozzi, Adriana Rodriguez-Trejo, Lisa Stoll, Claudiane Guay, Romano Regazzi

Pub Med, 2022 07 12; DOI : <https://doi.org/10.1016/j.celrep.2022.111069>

---

The anti-inflammatory effects of Akkermansia muciniphila and its derivatives in HFD/CCL4-induced murine model of liver injury

Shahrbano Keshavarz Azizi Raftar, Fatemeh Ashrafian, Farzam Vaziri, Arfa Moshiri, Seyed Davar Siadat, Sara Abdollahian & Abbas Yadegar, Morteza Masoumi, Hamid Reza Moradi et Mohammad Reza Zali

Scientific Reports, Article number: 2453 (2022), 2022 02 14; DOI : <https://doi.org/10.1038/s41598-022-06414-1>

---

Extracellular vesicles and pasteurized cells derived from Akkermansia muciniphila protect against high-fat induced obesity in mice

Fatemeh Ashrafian, Shahrbano Keshavarz Azizi Raftar, Arezou Lari, Arefeh Shahryari, Sara Abdollahian, Hamid Reza Moradi, Morteza Masoumi, Mehdi Davari, Shohreh khatami, Mir Davood Omrani, Farzam Vaziri, Andrea Masotti & Seyed Davar Siadat

Biomedcentral, Microbial Cell Factories, 2021 12 04; DOI : <https://doi.org/10.1186/s12934-021-01709-w>

WEB >> <https://microbialcellfactories.biomedcentral.com/articles/10.1186/s12934-021-01709-w>

---

Metformin treatment for 8 days impacts multiple intestinal parameters in high-fat high-sucrose fed mice

Amélie Bravard, Céline Gérard, Clémence Defois, Bérengère Benoit, Kassem Makki, Emmanuelle Meugnier, Dominique Rainteau, Jennifer Rieusset, Murielle Godet & Hubert Vidal

Scientific Reports, 2021 08 17; DOI : <https://doi.org/10.1038/s41598-021-95117-0>

---

Synergic effect of atorvastatin and ambrisentan on sinusoidal and hemodynamic alterations in a rat model of NASH

Miren Bravo, Imma Raurell, Aurora Barberá, Diana Hide, Mar Gil, Federico Estrella,

María Teresa Salcedo, Salvador Augustin, Joan Genescà and María Martell

PubMed, 2021 03 23; DOI : <https://doi.org/10.1242/dmm.048884>

---

Vitamin D3 Supplementation Alleviates Left Ventricular Dysfunction in a Mouse Model of Diet-Induced Type 2 Diabetes: Potential Involvement of Cardiac Lipotoxicity Modulation

Clothilde Philouze, Jean-Charles Martin, Catherine Riva, Alexandra Marziou, Catherine Defoort, Charlene Couturier, Thierry Berton, Julien Astier, Bernard Jover, Nathalie Gayraud, Cyril Reboul, Sandrine Gayraud, Jean-François Landrier & Philippe Obert

Springer Link, 2021 03 04; DOI : <https://doi.org/10.1007/s10557-021-07143-9>

---

Integrative analysis of physiological responses to high fat feeding with diffusion tensor images and neurochemical profiles of the mouse brain

Irene Guadilla, Blanca Lizarbe, Laura Barrios, Sebastián Cerdán & Pilar López-Larribia

International journal of obesity, 2021 02 11; DOI : <https://doi.org/10.1038/s41366-021-00775-9>

WEB >> <https://www.nature.com/articles/s41366-021-00775-9>

---

Mineral-rich Jeju lava sea water suppresses lipid accumulation in 3T3-L1 adipocytes and ameliorates high-fat diet-induced obesity in C57BL/6 J mice

Ye Ji Hyun, Ju Gyeong Kim, Min Jeong Kim, Sung Keun Jung & Ji Yeon Kim

Springer Link, 2021 02 06; DOI : <https://doi.org/10.1007/s10068-020-00859-8>

WEB >> <https://link.springer.com/article/10.1007/s10068-020-00859-8#citeas>

---

The Marine Microalga, *Tisochrysis lutea*, Protects against Metabolic Disorders Associated with Metabolic Syndrome and Obesity

Claire Mayer, Léo Richard, Martine Côme, Lionel Ulmann, Hassan Nazih, Benoît Chénais, Khadija Ougueram and Virginie Mimouni

MDPI, Journals/Nutrients/Volume 13/Issue 2/10.3390/nu13020430, 2021 01 28; DOI : <https://doi.org/10.3390/nu13020430>

WEB >> <https://www.nature.com/articles/s41598-020-79171-8#citeas>

---

Peri-natal growth retardation rate and fat mass accumulation in mice lacking Dip2A is dependent on the dietary composition

Springer Link, 2020 13 11; DOI : <https://doi.org/10.1007/s11248-020-00219-6>

WEB >> <https://link.springer.com/article/10.1007/s11248-020-00219-6#citeas>

---

Preventive action of retinoids in metabolic syndrome/type 2 diabetic rats fed with citrus functional food enriched in  $\beta$ -cryptoxanthin

Claudie Dhuyque-Mayer, Laura Gence, Karine Portet, Didier Tusch and Patrick Poucheret

Food & Function, Issue 10, 2020, 2020 13 10; DOI : <https://doi.org/10.1039/D0FO02430A>

WEB >> <https://pubs.rsc.org/en/content/articlelanding/2020/fo/d0fo02430a/unauth#!divAbstract>

---

Increased Sirt1 secreted from visceral white adipose tissue is associated with improved glucose tolerance in obese Nrf2-deficient mice

Laura Braud; Maria Pini; Donald F.Stec; Sylvie Manin; Geneviève Derumeaux; David E.Stec; Roberta Foresti; Roberto Motterlini

Science Direct, 2020 11 24; DOI : <https://doi.org/10.1016/j.redox.2020.101805>

WEB >> <https://www.sciencedirect.com/science/article/pii/S2213231720310107#>

---

BIFIDOBACTERIA FOR TREATING DIABETES AND RELATED CONDITIONS

Burcelin, Remy (Kantvik, FI); Carcano, Didier (Paris, FR); Lahtinen, Sampo (Lohja, FI)

, 2020 08 10

WEB >> <https://www.freepatentsonline.com/y2020/0316144.html>

---

## Diabetes\_Obesity\_Metabolic syndrome

2 Adrenergic Regulation of the Phagocytic and Microbicidal Capacity of Circulating Monocytes: Influence of Obesity and Exercise

Isabel Gálvez, Leticia Martín-Cordero, María Dolores Hinchado, Alberto Álvarez-Barrientos and Eduardo Ortega

---

Biocompatible modified water as a non-pharmaceutical approach to prevent metabolic syndrome features in obesogenic diet-fed mice

Karen Lambert ; Claire Gondeau ; Philippe Briolotti ; Valérie Scheuermann ; Martine Daujat-Chavanieu ; Franck Aimond  
Science Direct, Food and Chemical Toxicology-Volume 141, July 2020, 111403, 2020 05 06; DOI : <https://doi.org/10.1016/j.fct.2020.111403>  
WEB >> <https://www.sciencedirect.com/science/article/pii/S027869152030291X?via%3Dihub#!>

---

Biocompatible modified water as a non-pharmaceutical approach to prevent metabolic syndrome features in obesogenic diet-fed mice

Karen Lambert, Claire Gondeau, Philippe Briolotti, Valérie Scheuermann, Martine Daujat-Chavanieu, Franck Aimond  
Science Direct, Volume 141, July 2020, 111403, 2020 05 01; DOI : <https://doi.org/10.1016/j.fct.2020.111403>  
WEB >> <https://www.sciencedirect.com/science/article/pii/S027869152030291X>

---

A Lupine (*Lupinus angustifolius* L.) peptide prevents non-alcoholic fatty liver disease in high-fat-diet-induced obese mice

Ana Lemus-Conejo, Elena Grao-Cruces, Rocio Toscano, Lourdes M. Varela, Carmen Claro, Justo Pedroche, Francisco Millan, Maria C. Millan-Linares and Sergio Montserrat-de la Paz  
Food and Function, 2020, 11, 2943, 2020 03 25; DOI : DOI: 10.1039/d0fo00206b  
WEB >> <https://pubs.rsc.org/en/content/articlelanding/2020/fo/d0fo00206b#divAbstract>

---

Maternal vitamin B12 deficiency in rats alters DNA methylation in metabolically important genes in their offspring

Springer Link, Molecular and cellular biochemistry, 2020 03 18; DOI : <https://doi.org/10.1007/s11010-020-03713-x>  
WEB >> <https://www.sciencedirect.com/science/article/abs/pii/S0304389420303885#>

---

Postprandial Hyperglycemia Stimulates Neuroglial Plasticity in Hypothalamic POMC Neurons after a Balanced Meal

Science Direct, Volume 30, Issue 9, Pages 3067-3078.e5, 2020 03 03 ; DOI : <https://doi.org/10.1016/j.celrep.2020.02.029>  
WEB >> <https://www.sciencedirect.com/science/article/pii/S221112472030190X#!>

---

Gut microbiome of a porcine model of metabolic syndrome and HF-pEF

Aoife N. O'Donovan ; Florence M. Herisson ; Fiona Fouhy ; Paul M. Ryan ; Derek Whelan ; Crystal N. Johnson ; Gaston Cluzel ; R. Paul Ross ; Catherine Stanton and Noel M. Caplice  
American Journal of Physiology ,

---

Bottom-line mechanism of organochlorine pesticides on mitochondria dysfunction linked with type 2 diabetes

EunKoaMoonsungChoibcSooimShin  
Science Direct, Journal of Hazardous Materials/Volume 393, 5 July 2020, 122400, 2020 02 25; DOI : <https://doi.org/10.1016/j.jhazmat.2020.122400>  
WEB >> <https://www.sciencedirect.com/science/article/abs/pii/S0304389420303885#>

---

Vitamin D Supplementation Improves Adipose

Tissue Inflammation and Reduces Hepatic Steatosis in Obese C57BL/6J Mice

Alexandra Marziou, Clothilde Philouze, Charlene Couturier, Julien Astier, Philippe Obert, Jean-François Landrier, and Catherine Riva

---

2 Adrenergic Regulation of the

Inflammatory Profile and Phenotype of Circulating Monocytes from Exercised Animals

Isabel Gálvez, Leticia Martín-Cordero, María Dolores Hinchado, Alberto Álvarez-Barrientos and Eduardo Ortega  
MDPI, Nutrients. 2019 Nov; 11(11): 2630. , 2019 11 02; DOI : 10.3390/nu11112630  
WEB >> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6893831/>

---

Implication of glycogen synthase kinase 3 in diabetes-associated islet inflammation

Caterina Luana Pitasi, Junjun Liu, Blandine Gausserès, Gaëlle Pommier, Etienne Delangre, Mathieu Armanet, Pierre Cattani, Bruno Mégarbane, Anne-Sophie Hanak, Kamel Maouche, Danielle Bailbé, Bernard Portha and Jamileh Movassat  
Journal of Endocrinology, , 2019 10 01; DOI : <https://doi.org/10.1530/JOE-19-0239>

---

Preventive Effects of the Marine Microalga

*Phaeodactylum tricornutum*, Used as a Food

Supplement, on Risk Factors Associated with Metabolic Syndrome in Wistar Rats

---

High Pancreatic Amylase Expression Promotes Adiposity in Obesity-Prone Carbohydrate-Sensitive Rats

Dalila Azzout-Marniche Catherine Chaumontet Julien Piedcoq Nadezda Khodorova Gilles Fromentin Daniel Tomé Claire Gaudichon Patrick C Even  
The Journal of nutrition, Volume 149, Issue 2, 1 February 2019, Pages 270–279, 2019 02 08; DOI : <https://doi.org/10.1093/jn/nxy262>  
WEB >> <https://academic.oup.com/jn/article/149/2/270/5310248>

---

Alpha-Galacto-Oligosaccharides at Low Dose Improve Liver Steatosis in a High-Fat Diet Mouse Model

Eric Chappuis 1,\*, Fanny Morel-Depeisse 1, Bruno Bariohay 2 and Julien Roux 2

MDPI, , 2017 10 14; DOI : 10.3390/molecules22101725  
WEB >> <http://www.mdpi.com/1420-3049/22/10/1725/htm>

---

Maternal exercise modifies body composition and energy substrates handling in male offspring fed a high-fat/high-sucrose diet

Charline Quiclet, Hervé Dubouchaud, Phanélie Berthon, Hervé Sanchez, Guillaume Vial, Farida Siti, Eric Fontaine, Cécile Batandier and Karine Couturier

The Journal of Physiology, Volume595, Issue23, 1 December 2017, Pages 7049-7062, 2017 10 03; DOI : <https://doi.org/10.1113/JP274739>  
WEB >> <https://physoc.onlinelibrary.wiley.com/doi/10.1113/JP274739>

---

## Diabetes\_Obesity\_Metabolic syndrome

Safety evaluation of transgenic low-gliadin wheat in Sprague Dawley rats: An alternative to the gluten free diet with no subchronic adverse effects  
Carmen Victoria Ozuna. Author links open the author workspace. Francisco Barro Opens the author workspace  
Food and Chemical Toxicology, Volume 107, Part A, September 2017, Pages 176-185, 2017 06 23; DOI : <https://doi.org/10.1016/j.fct.2017.06.037>  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0278691517303551#>

---

Impact of Early Consumption of High-Fat Diet on the Mesolimbic Dopaminergic System  
F. Naneix, F. Tantot, C. Glangetas, J. Kaufling, Y. Janthakhin, C. Boitard, V. De Smedt-Peyrusse, J. R. Pape, S. Vancassel, P. Trifillieff, F. Georges, E. Coutureau and G. Ferreira

---

A Specific Gut Microbiota Dysbiosis of Type 2 Diabetic Mice Induces GLP-1 Resistance through an Enteric NO-Dependent and Gut-Brain Axis Mechanism  
Estelle Grasset, Anthony Puel, Julie Charpentier, Xavier Collet, Jeffrey E. Christensen, François Tercé, Remy Burcelin  
CellPress, , 2017 05 02; DOI : <http://dx.doi.org/10.1016/j.cmet.2017.04.013>  
WEB >> [https://www.cell.com/cell-metabolism/pdf/S1550-4131\(17\)30218-8.pdf](https://www.cell.com/cell-metabolism/pdf/S1550-4131(17)30218-8.pdf)

---

A potential role for the secretogranin II-derived peptide EM66 in the hypothalamic regulation of feeding behaviour  
F. Trebak; I. Dubuc; A. Arabo; A. Alaoui; L. Boukhzau; J. Maucotel; M. Picot; S. Cherifi; C. Duparc; J. Leprince; G. Prévost; Y. Anouar; R. Mergoul; N. Chartrel  
Journal of Neuroendocrinology, Volume 29, Issue 3, 2017 03 24; DOI : 10.1111/jne.12459  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1111/jne.12459/full>

---

Antioxidant properties of tea blunt ROS-dependent lipogenesis: beneficial effect on hepatic steatosis in a high fat-high sucrose diet NAFLD obese rat model  
Laura Brauda, Sylvain Battault, Grégory Meyer, Alessandro Nascimben, Sandrine Gaillard, Georges de Sousad, Roger Rahmanid, Catherine Rivab, Martine Armande, Jean-Michel Maixenta, Cyril Reboulb,  
The Journal of Nutritional Biochemistry, Volume 40, February 2017, Pages 95–104, 2016 10 29; DOI : <http://dx.doi.org/10.1016/j.jnutbio.2016.10.012>  
WEB >> <http://www.sciencedirect.com/science/article/pii/S095528631630643X>

---

Activation of the Constitutive Androstane Receptor induces hepatic lipogenesis and regulates Pnpla3 gene expression in a LXR-independent way  
Toxicology and Applied Pharmacology, Volume 303, Pages 90–100, 2016 07 15  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0041008X16301120>

---

Exercise does not activate the  $\beta_3$  adrenergic receptor-eNOS pathway, but reduces inducible NOS expression to protect the heart of obese diabetic mice  
Adrien Kleindienst, Sylvain Battault, Elise Belaidi, Stéphane Tanguy, Marie Rosselin, Doria Boulghobra, Gregory Meyer, Sandrine Gayraud, Guillaume Walther and 4 more  
Basic Research in Cardiology, 111:40, 2016 06; DOI : 10.1007/s00395-016-0559-0  
WEB >> <http://link.springer.com/article/10.1007/s00395-016-0559-0>

---

Plasma Cholesterol-Lowering Activity of Lard Functionalized with Mushroom Extracts Is Independent of Niemann–Pick C1-like 1 Protein and ABC Sterol Transporter Gene Expression in Hypercholesterolemic Mice  
Victor Caz, Alicia Gil-Ramírez, Mónica Santamaría, María Tabernero, Cristina Soler-Rivas, Roberto Martín-Hernández, Francisco R. Marín, Guillermo Reglero and Carlota Largo

---

Water-Soluble Compounds from Lentinula edodes Influencing the HMG-CoA Reductase Activity and the Expression of Genes Involved in the Cholesterol Metabolism  
Alicia Gil-Ramírez, Victor Caz, Fhernanda R. Smiderle, Roberto Martin-Hernandez, Carlota Largo, María Tabernero, Francisco R. Marín, Marcello Iacomini, Guillermo Reglero and Cristina Soler-Rivas  
J. Agric. Food Chem, 2016, 64 (9), pp 1910–1920, 2016 02 13; DOI : 10.1021/acs.jafc.5b05571

---

Autocrine Action of IGF2 Regulates Adult  $\beta$ -Cell Mass and Function  
Honey Modi<sup>1</sup>, Cecile Jacovetti<sup>2</sup>, David Tarussio<sup>1</sup>, Salima Metref<sup>1</sup>, Ole D. Madsen<sup>3</sup>, Fu-Ping Zhang<sup>4</sup>, Pia Rantakari<sup>4</sup>, Matti Poutanen<sup>4</sup>, Serge Nef<sup>5</sup>, Tracy Gorman<sup>6</sup>, Romano Regazzi<sup>2</sup> and Bernard Thorens<sup>1</sup>  
Diabetes, 64(12): 4148-4157, 2015 12; DOI : 10.2337/db14-1735

---

Metabolism regulates exposure of pancreatic islets to circulating molecules in vivo  
Aurélien Michau, David J. Hodson, Pierre Fontanaud, Anne Guillou, Gabriel Espinosa-Carrasco, François Molino, Catherine J. Peters, C. Robinson, Paul Le Tissier, Patrice Mollard, Marie Schaeffer  
Diabetes Publish Ahead of Print, db15-1168v1

---

Time course of cardiometabolic alterations in a high fat high sucrose diet mice model and improvement after GLP-1 analog treatment using multimodal cardiovascular

---

Bile Acid Alters Male Mouse Fertility in Metabolic Syndrome Context  
Aurélien Vega,<sup>1,2,3,4</sup> Emmanuelle Martinot,<sup>1,2,3,4</sup> Marine Baptissart,<sup>1,2,3,4</sup> Angélique De Haze,<sup>1,2,3,4</sup> Frederic Vaz,<sup>5</sup> Wim Kulik,<sup>5</sup> Christelle Damon-Soubeyrand,<sup>1,2,3,4</sup> Silvère Baron,<sup>1,2,3,4</sup> Françoise Caira,<sup>2,3,4</sup> and David H. Volle,<sup>1,2,3,4,\*</sup>  
PLoS One, 10(10), 2015 10 06; DOI : 10.1371/journal.pone.0139946

---

Fusion protein of retinol-binding protein and albumin domain III reduces liver fibrosis  
Hongsik Lee, Hyeyeun Jeong, Sangeun Park, Wonbaek Yoo, Soyoun Choi, Kyungmin Choi, Min-Goo Lee, Mihwa Lee, DaeRyong Cha, Young-Sik Kim, Jeeyoung Han, Wonkon Kim, Sun-Hwa Park, Junseo Oh  
The EMBO Journal, , 2015 04 11; DOI : 10.15252/emmm.201404527

---

Proanthocyanidin-Rich Date Seed Extract Protects Against Chemically Induced Hepatorenal Toxicity  
Ahmed Atallah F., Al-Qahtani Jawaher H., Al-Yousef Hanan M., Al-Said Mansour S., Ashour AbdelKader E., Al-Sohaibani Mohammed, and Rafatullah Syed  
Journal of Medicinal food, Volume: 18 Issue 3, 2015 03 03; DOI : 10.1089/jmf.2014.3157.  
WEB >> <http://online.liebertpub.com/doi/abs/10.1089/jmf.2014.3157>

---

Maternal perinatal undernutrition modifies lactose and serotransferrin in milk: 2 relevance to the programming of metabolic diseases ?  
Wattez, Delmont, Bouvet, Beseme, Goers, Delahaye, Laborie, Lesage, Flogn , Breton, Metges, Vieau, Pinet  
Am J Physiol Endocrinol Metab, 308(5):E393-401, 2015 03; DOI : 10.1152/ajpendo.00452.2014  
WEB >>

---

## Diabetes\_Obesity\_Metabolic syndrome

Chronic Intake of Sucrose Accelerates Sarcopenia in Older Male Rats through Alterations in Insulin Sensitivity and Muscle Protein Synthesis  
Eva Gatineau, Isabelle Savary-Auzeloux, Carole Migné, Sergio Polakof, Dominique Dardevet, and Laurent Mosoni  
J Nutr, vol. 145no. 5 923-930, 2015 02 20; DOI : 10.3945/jn.114.205583  
WEB >> <http://jn.nutrition.org/content/145/5/923.short>

---

Effect of specific amino acids on hepatic lipid metabolism in fructose-induced non-alcoholic fatty liver disease  
Prasanthi Jegatheesana, Stéphanie Beutheua, , Gabrielle Venturaa, , Gilles Sarfatib, , Esther Nubreta, , Nathalie Kapelc, , Anne-Judith Waligora-Duprietc, , Ina Bergheimd, , Luc Cynobera, Jean-Pascal De-Bandta  
Science Direct, Available online 10 February 2015, 2015 02 10; DOI : 10.1016/j.clnu.2015.01.021

---

Tissue kallikrein is required for the cardioprotective effect of Cyclosporin A in myocardial ischemia in the mouse  
G. Youcefa, E. Belaidie, L. Waeckela, L. Fazala, M. Clemessya, M.P. Vincenta, G. Zadiguea, C. Richera, F. Alhenc-Gelasa, M. Ovizee, A. Pizarda  
Science Direct, Volume 94, Issue 1, 1 March 2015, Pages 22–29, 2015 01 23; DOI : 10.1016/j.bcp.2015.01.007  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0006295215000568>

---

Exercise training protects against atherosclerotic risk factors through vascular NADPH oxidase, extracellular signal-regulated kinase 1/2 and stress-activated protein kinase/c-Jun N-terminal kinase downregulation in obese rats  
Sabour Touati, Augusto CI Montezano, Fayçal Meziri, Catherine Riva, Rhian M Touyz and Pascal Laurant  
CEPP Clinical and Experimental Pharmacology and Physiology, Volume 42, Issue 2, pages 179–185, February 2015, 2015 01 12; DOI : 10.1111/1440-1681.12338

---

Bile Routing Modification Reproduces Key Features of Gastric Bypass in Rat  
Goncalves, Daisy PhD; Barataud, Aude MS; De Vadder, Filipe PhD; Vinera, Jennifer MS; Zitoun, Carine AD; Duchamp, Adeline AD; Mithieux, Gilles PhD  
Annals of Surgery, , 2015 01 08; DOI : 10.1097/SLA.0000000000001121  
WEB >> [http://journals.lww.com/annalsofsurgery/Abstract/publishahead/Bile\\_Routing\\_Modification\\_Reproduces\\_Key\\_Features.97569.aspx](http://journals.lww.com/annalsofsurgery/Abstract/publishahead/Bile_Routing_Modification_Reproduces_Key_Features.97569.aspx)

---

Maternal perinatal undernutrition modifies lactose and serrotranferin in milk: relevance to the programming of metabolic diseases ?  
Jean-Sébastien Watez, Anne Delmont, Marion Bouvet, Olivia Beseme, Solvig Goers, Fabien Delahaye, Christine Laborie, Jean Lesage, Benoit Foligne, Christophe Breton, Cornelia C. Metzges, Didier Vieau, Florence Pinet  
APS Journals, , 2014 12 30; DOI : 10.1152/ajpendo.00452.2014

---

The food born mycotoxin deoxynivalenol induces low-grade inflammation in mice in the absence of observed-adverse effects  
Catherine Tardivela, Coraline Airault, Mehdi Djelloula, Florent Guillebauda, Rym Barbouchea, Jean-Denis Troadea, Stéphanie Gaigéa, Michel Dallaportaa  
Toxicol Lett., Volume 232, Issue 3, 3 February 2015, Pages 601–611, 2014 12 27; DOI : 10.1016/j.toxlet.2014.12.017  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0378427414015240>

---

Leptin Normalizes Photic Synchronization in Male ob/ob Mice, via Indirect Effects on the Suprachiasmatic Nucleus  
Edith Grosbelle, Sylviane Gourmelen, Paul Pévet, François Criscuolo, and Etienne Challet  
Endocrine Society, Volume 156, Issue 3, 2014 12 18; DOI : 10.1210/en.2014-1570  
WEB >> <http://press.endocrine.org/doi/abs/10.1210/en.2014-1570>

---

The second transferrin receptor regulates red blood cell production in mice  
Antonella Nai, Maria Rosa Lidonnici, Marco Rausa, Giacomo Mandelli, Alessia Paganì, Laura Silvestri, Giuliana Ferrari and Clara Camaschella  
Blood journal, Volume: 125 Issue: 7 Pages: 1170 - 1179, 2014 12 03; DOI : 10.1182/blood-2014-08-596254  
WEB >>  
<http://www.bloodjournal.org/content/125/7/1170.abstract?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&fulltext=safe%20augy&andorexactfulltext=and&searchid=1&FIR>

---

Potential probiotic *Bifidobacterium animalis* ssp. *lactis* 420 prevents weight gain and glucose intolerance in diet-induced obese mice.  
Stenman, , Waget, Garret, Klopp, Burcelin, Lahtinen .  
Beneficial Microbes, 5(4):437-45, 2014 12 01; DOI : 10.3920/BM2014.0014  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/25062610>

---

Metabolic and oxidative stress markers in Wistar rats after 2 months on a high-fat diet  
Nathalie Auberval, Stéphanie Dal, William Bietiger, Michel Pinget, Nathalie Jeandier, Elisa Maillard-Pedracini, Valérie Schini-Kerth and Séverine Sigrist  
Diabetology & Metabolic Syndrome, Volume 6, , 2014 11 28; DOI : 10.1186/1758-5996-6-130

---

Ozone exposure triggers insulin resistance through muscle c-Jun N-terminal Kinases (JNKs) activation.  
Vella RE, Pillon NJ, Zarrouki B, Croze ML, Koppe L, Guichardant M, Pesenti S, Chauvin MA, Rieusset J, Géoïen A, Soulage CO.  
PubMed, , 2014 10 02  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/25277399>

---

Ozone Exposure Triggers Insulin Resistance Through Muscle c-Jun N-Terminal Kinase Activation  
Roxane E. Vella, Nicolas J. Pillon, Bader Zarrouki, Marine L. Croze, Laetitia Koppe, Michel Guichardant, Sandra Pesenti, Marie-Agnès Chauvin, Jennifer Rieusset, Alain Géoïen and Christophe O. Soulage  
Diabetes Journals, , 2014 09 27; DOI : 10.2337/db13-1181/-/DC1.

---

Acute oral metformin enhances satiation and activates brainstem nesfatineric neurons.  
Rouquet T, Clément P, Gaigé S, Tardivel C, Roux J, Dallaporta M, Bariohay B, Troade JD, Lebrun B.  
Silver spring, , 2014 09 19  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/25236366>

---

Model of adipose tissue cellularity dynamics during food restriction.  
Soula HA, Géoïen A, Soulage CO  
Journal of Theoretical Biology, , 2014 09 06  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/25196549>

---

The corticotrophin-releasing factor/urocortin system regulates white fat browning in mice through paracrine mechanisms  
B Lu, Y Diz-Chaves, D Markovic, A Contarino, L Penicaud, F Fanelli, S Clark, H Lehnert, D Cota, D K Grammatopoulos and A Tabin  
International Journal of Obesity, 408–417 (1 March 2015), 2014 09 05; DOI : 10.1038/ijo.2014.164  
WEB >> <http://www.nature.com/ijo/journal/v39/n3/pubmed/ijo2014164a.html>

---

## Diabetes\_Obesity\_Metabolic syndrome

Hippocampal GSK3 $\beta$  as a Molecular Link Between Obesity and Depression.  
Papazoglou IK, Jean A, Gertler A, Taouis M, Vacher CM.  
Molecular Neurobiology, , 2014 08 29; DOI : 10.1007/s12035-014-8863-x  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/25169083>

---

White Adipose Tissue Resilience to Insulin Deprivation and Replacement  
Lilas Hadji, Emmanuelle Berger, Hédi Soula, Hubert Vidal, Alain Géoën  
PLoS One, , 2014 08 29  
WEB >> <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0106214>

---

Alterations in neutrophil production and function at an early stage in the high-fructose rat model of metabolic syndrome.  
Tagzirt M, Corseaux D, Pasquesoone L, Mouquet F, Roma-Lavisce C, Ung A, Lorenzi R, Jude B, Elkalioubie A, Van Belle E, Susen S, Dupont A.  
American Journal of Hypertension, 27(8):1096-104, 2014 08 27; DOI : 10.1093/ajh/hpu021  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/25103937>

---

Adverse effects of long-term exposure to bisphenol A during adulthood leading to hyperglycaemia and hypercholesterolemia in mice  
Alice Marmugia, Frederic Lasserrea, Diane Beuzelinc, Simon Ducheixa, Laurence Huca, Arnaud Polizzia, Maud Chetivauxd, Thierry Pineaua, Pascal Martina, Hervé Guilloua, Laila Mselli-Lakhala  
Science Direct, , 2014 08 26; DOI : 10.1016/j.tox.2014.08.006

---

Mouse adipose tissue stromal cells give rise to skeletal and cardiomyogenic cell sub-populations  
Cécile Dromard, Corinne Barreau, Mireille André, Sandra Berger-Müller, Louis Casteilla and Valerie Planat-Benard  
Front Cell Dev Biol, , 2014 08 25; DOI : 10.3389/fcell.2014.00042  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4206990/>

---

Impairment of hippocampal-dependent memory induced by juvenile high-fat diet intake is associated with enhanced hippocampal inflammation in rats  
Chloé Boitard, Amandine Cavaroc, Julie Sauvart, Agnès Aubert, Nathalie Castanon, Sophie Layé, Guillaume Ferreira  
Brain Behav Immun., 40:9-17, 2014 08; DOI : 10.1016/j.bbi.2014.03.005  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0889159114000713>

---

Exacerbated oxidative stress in the fasting liver according to fuel partitioning  
Thierry Wasselin, Sandrine Zahn, Yvon Le Maho, Alain Van Dorsselaer, Thierry Raclot and Fabrice Bertile  
Wiley Online Library, Volume 14, Issue 16, pages 1905–1921, August 2014, 2014 07 14; DOI : 10.1002/pmic.201400051  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1002/pmic.201400051/abstract>

---

The histone acetyltransferase MOF activates hypothalamic polysialylation to prevent diet-induced obesity in mice  
Xavier Brenachot 1,3, Caroline Rigault 1,3, Emmanuelle Nédélec 1, Amélie Laderrière 1, Tasneem Khanam 2, Alexandra Gouazé 1, Sylvie Chaudy 1, Aelth Lemoine 1, Frédérique Datiche 1, Jean Gascuel 1, Luc Pénicaud 1,

---

Cathepsin S inhibition lowers blood glucose levels in mice  
Jean-Charles Lafarge, Maria Pini, Véronique Pelloux, Gabriela Orasanu, Guido Hartmann, Nicolas Ventecléf, Thierry Sulpice, Guo-Ping Shi, Karine Clément, Michèle Guerre-Millo  
Diabetologia, 57(8):1674-83, 2014 06 03; DOI : 10.1007/s00125-014-3280-2

---

Is there an optimal dose for dietary linoleic acid? Lessons from essential fatty acid deficiency supplementation and adipocyte functions in rats  
Isabelle Harant-Farrugia, Jésus Garcia, Mari-Carmen Iglesias-Osma, Maria José Garcia-Barrado, Christian Carpéné  
J. of Physiology and Biochemistry, Volume 70, Issue 2, pp 615-627, 2014 06 01; DOI : 10.1007/s13105-014-0315-6  
WEB >> <http://link.springer.com/article/10.1007/s13105-014-0315-6>

---

Glutamatergic signaling and low prodynorphin expression are associated with intact memory and reduced anxiety in rat models of healthy aging  
Caroline Ménard, Rémi Quirion, Sylvain Bouchard, Guylaine Ferland, and Pierrette Gaudreau  
Front Aging Neurosci., , 2014 05 07  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4019859/>

---

Deletion of PARP-2 induces hepatic cholesterol accumulation and decrease in HDL levels  
Magdolna Szántó, Attila Brunyánszki, Judit Márton, György Vámosi, Lilla Nagy, Tamás Fodor, Borbála Kiss, László Virág, Pál Gergely, Péter Baia  
ScienceDirect, Volume 1842, Issue 4, Pages 594–602, 2014 04  
WEB >> <http://www.sciencedirect.com/science/article/pii/S092544391300361X>

---

Mice Deficient in Cryptochrome 1 (Cry1<sup>-/-</sup>) Exhibit Resistance to Obesity Induced by a High-Fat Diet  
Guy Griebel, Christine Ravinet-Trillou, Sandra Beeské, Patrick Avenet, and Philippe Pichat  
Frontiers in Endocrinology, , 2014 03 26; DOI : 10.3389/fendo.2014.00049  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3988402/>

---

Glucose sensing O-GlcNAcylation pathway regulates the nuclear bile acid receptor farnesoid X receptor (FXR)  
Wahiba Berrabah, Pierrette Aumercier, Céline Gheeraert, Hélène Dehondt, Emmanuel Bouchaert, Jérémy Alexandre, Maheul Ploton, Claire Mazuy, Sandrine Caron, Anne Tailleux, Jérôme Eeckhoutte, Tony Lefebvre, Bart Staels,\* and Philippe Lefebvre.  
Wiley Online Library, Volume 59, Issue 5, pages 2022–2033, May 2014, 2014 03 24; DOI : 10.1002/hep.26710

---



## Diabetes\_Obesity\_Metabolic syndrome

Tissue kallikrein deficiency, insulin resistance, and diabetes in mouse and man

Potier L, Waeckel L, Fumeron F, Bodin S, Fysekidis M, Chollet C, Bellili N, Bonnet F, Gusto G, Velho G, Marre M, Alhenc-Gelas F, Rousset R, Bouby N; DESIR Study Group.  
J. of Endocrinology, 221 (2) 297-308, 2014 03 05; DOI : 10.1530/JOE-13-0529  
WEB >> <http://joe.endocrinology-journals.org/content/221/2/297.short>

Disturbed intestinal nitrogen homeostasis in a mouse model of high-fat diet-induced obesity and glucose intolerance

Thi Thu Huong Do , Patrick Hindlet , Anne-Judith Waligora-Dupriet , Nathalie Kapel , Nathalie Neveux , Virginie Mignon , Claudine Deloménie , Robert Farinotti , Bruno Fève , Marion Buyse  
Am J Physiol Endocrinol Metab., 306(6):E668-80, 2014 03; DOI : 10.1152/ajpendo.00437.2013

Beneficial effects of a N-terminally modified GIP agonist on tissue-level bone material properties

Guillaume Mabilieu, Aleksandra Mieczkowska, Nigel Irwin, Yannick Simona, Maurice Audranad, Peter R. Flatt, Daniel Chapparda  
Science Direct, Volume 63, June 2014, Pages 61–68, 2014 02 21; DOI : 10.1016/j.bone.2014.02.013  
WEB >>

Chronic exposure to low doses of pharmaceuticals disturbs the hepatic expression of circadian genes in lean and obese mice

Sébastien Anthérieux, Dounia Le Guillou, Cédric Coulouarna, Karima Begriche, Viviane Trak-Smayrab, Sophie Martinais, Mathieu Porceddu, Marie-Anne Robina, Bernard Fromentya  
Science Direct, Volume 276, Issue 1, 1 April 2014, Pages 63–72, 2014 02 11; DOI : 10.1016/j.taap.2014.01.019

Akt-mediated cardioprotective effects of aldosterone in type 2 diabetic mice

Loubina Fazal, Ferial Azibani, Nicolas Bihry, Guillaume Coutance, Evelyne Polidano, Régine Merval, Nicolas Vodovar, Jean-Marie Launay, Claude Delcayre and Jane-Lise Samuel  
FASEB J., , 2014 02 10

Short- and long-term effects of maternal perinatal undernutrition are lowered by cross-fostering during lactation in the male rat.

J.-S. Wateza, F. Delahaye, L. F. Barellaa, A. Dickes-Coopmana, V. Montela, C. Bretona, P. Mathiasa, B. Folignéa, J. Lesagea and D. Vieau  
J Dev Orig Health Dis, Volume 5 / Issue 02 / April 2014, pp 109-120, 2014 01 10; DOI : 10.1017/S2040174413000548  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9196242&fileId=S2040174413000548>

A genome-wide scan for signatures of differential artificial selection in ten cattle breeds

Sophie Rothammer<sup>1</sup>, Doris Seichter<sup>2</sup>, Martin Förster<sup>1</sup> and Ivica Medugorac<sup>1\*</sup>  
BMC Genomics , , 2013 12 21; DOI : 10.1186/1471-2164-14-908  
WEB >> <http://www.biomedcentral.com/1471-2164/14/908/>

Modification of energy balance induced by the food contaminant T-2 toxin: A multimodal gut-to-brain connection

Stéphanie Gaigéa, Mehdi Djelloula, Catherine Tardivela, Coraline Airault, Bernadette Félix, André Jeana, Bruno Lebruna, Jean-Denis Troadeca, Michel Dallaportaa  
Brain Behav Immun, Volume 37, March 2014, Pages 54–72, 2013 12 16; DOI : 10.1016/j.bbi.2013.12.008  
WEB >> <http://www.sciencedirect.com/science/article/pii/S088915911300593X>

Disturbances in cholesterol, bile acid and glucose metabolism in peroxisomal 3-ketoacylCoA thiolase B deficient mice fed diets containing high or low fat contents

Valérie Nicolas-Francèsa, Ségolène Arnauld, Jacques Kaminskia, Emiel Ver Loren van Themaat, Marie-Claude Clémenceta, Julie Chamoutona, Anne Athiasd, Jacques Groberf, Joseph Grestia, Pascal Degracea, Laurent Lagrostf, Norbert Latruffea, Stéphane Mandarda  
Science Direct, Volume 98, March 2014, Pages 86–101, 2013 11 25; DOI : 10.1016/j.biochi.2013.11.014

ChemR23 knockout mice display mild obesity but no deficit in adipocyte differentiation

Rouger L, Denis GR, Luangsay S, Parmentier M.  
J. of Endocrinology, 219(3):279-89, 2013 11 07; DOI : 10.1530/JOE-13-0106  
WEB >> <http://joe.endocrinology-journals.org/content/219/3/279.short>

Lipopolysaccharides-mediated increase in glucose-stimulated insulin secretion: Involvement of the glucagon-like peptide 1 (GLP1) pathway.

Anh Thoi Nguyen, Stéphane Mandarda, Cédric Drayc, Valérie Deckerta, Philippe Valetc, Philippe Besnard, Daniel J Druckerd, Laurent Lagrosta, b† and Jacques Grobera  
American Diabetes Association, , 2013 10 29; DOI : 10.2337/db13-0903  
WEB >> <http://diabetes.diabetesjournals.org/content/early/2013/10/29/db13-0903.short>

Pro-fibrotic activity of lysophosphatidic acid in adipose tissue: In vivo and in vitro evidence

Chloé Rancoulea, Manon Viauda, Sandra Gresa, Nathalie Viguerie, Pauline Decaunesa, Anne Bouloumiéa, Dominique Langina, Jean-Loup Bascandsa, Philippe Valeta, Jean Sébastien Saulnier-Blachea,  
ScienceDirect, , 2013 10 11  
WEB >> <http://www.sciencedirect.com/science/article/pii/S1388198113002187>

Leucine Supplementation Protects from Insulin Resistance by Regulating Adiposity Levels

Elke Binder Francisco; J. Bermúdez-Silva; Caroline André; Melissa Elie; Silvana Y. Romero-Zerbo; Thierry Leste-Lasserre; Ilaria Belluono ;Adeline Duchamp; Samantha Clark; Agnes Aubert; Marco Mezzullo; Flaminia Fanelli; Uberto Pagotto  
PLoS One, , 2013 09 25; DOI : 10.1371/journal.pone.0074705.s001

Leucine supplementation modulates fuel substrates utilization and glucose metabolism in previously obese mice

Elke Binder, Francisco Javier Bermúdez-Silva, Melissa Elie, Thierry Leste-Lasserre, Ilaria Belluono, Samantha Clark, Adeline Duchamp, Gilles Mithieux, Daniela Cota.  
The Obesity Society, , 2013 09 05; DOI : 10.1002/oby.20578  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1002/oby.20578/abstract>

Dietary fat without body weight gain increases in vivo MCF-7 human breast cancer cell growth and decreases natural killer cell cytotoxicity

Bruno Lamas, Rachida Nachat-Kappes, Nicolas Goncalves-Mendes, Florence Mishellany, Adrien Rossary, Marie-Paule Vasson, Marie-Chantal Farges  
Molecular Carcinogenesis, , 2013 09 04; DOI : 10.1002/mc.22074  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1002/mc.22074/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false>

Properties of myenteric neurons and mucosal functions in the distal colon of diet-induced obese mice.

François Reichardt, Charlotte Baudry, Lisa Gruber, Gemma Mazzuoli, Raphaël Moriez, Christian Scherling, Patrick Kollmann, Hannelore Daniel, Sigrid Kiesling, Dirk Haller, Michel Neunlist and Michael Schemann  
J Physiol, , 2013 08 09; DOI : 10.1113/jphysiol.2013.262733

## Diabetes\_Obesity\_Metabolic syndrome

Glycogen Phosphorylase Inhibitor N-(3,5-Dimethyl-Benzoyl)-N'-(β-D-Glucopyranosyl)Urea Improves Glucose Tolerance under Normoglycemic and Diabetic Conditions and Rearranges Hepatic Metabolism  
Lilla Nagy ; Tibor Docsa ; Magdolna Szántó; Attila Brunyánszki; Csaba Hegedűs; Judit Márton; Bálint Kónya ; László Virág; László Somsák ; Pál Gergely ; Péter Bai  
PLoS One, , 2013 07 25; DOI : 10.1371/journal.pone.0069420

---

Prevention of obesity and insulin resistance by estrogens requires ERα activation function-2 (ERαAF-2), whereas ERαAF-1 is dispensable.  
Sandra Handgraaf, Elodie Riant, Aurélie Fabre, Aurélie Waget, Rémy Burcelin, Philippe Lière, Andrée Krust, Pierre Chambon, Jean-François Arnal and Pierre Gourdy  
American Diabetes Association, , 2013 07 24; DOI : 10.2337/db13-0282  
WEB >> <http://diabetes.diabetesjournals.org/content/early/2013/07/29/db13-0282.short>

---

### HYPOTHALAMIC APELIN/ROS SIGNALING CONTROLS HEPATIC GLUCOSE METABOLISM IN THE ONSET OF DIABETES

Libertpub, , 2013 07 23; DOI : 10.1089/ars.2013.5182  
WEB >> <http://online.liebertpub.com/doi/abs/10.1089/ars.2013.5182>

---

The induction of cardiac ornithine decarboxylase by β2-adrenergic agents is associated with calcium channels and phosphorylation of ERK1/2  
Andrés J. López-Contreras, Maria Eugenia de la Morena, Bruno Ramos-Molina, Ana Lambertos, Asunción Cremades, Rafael Peñafiel  
Journal of Cellular Biochemistry, Volume 114, Issue 9  
September 2013

---

A new pyrrolone compound selective for I1-imidazoline receptors improves metabolic syndrome in rats  
Lyne Fellmann, Veronique Regnault, Hugues Greney, Vincent Gasparik, Adeline Muscat, Jean-Pierre Max, Luc Gigou, Valerie Orea, Gerard Chetrite, Anne Pizard, Nathalie Niederhoffer, Claude Julien, Patrick Lacolley, Bruno Feve, and Pascal Bousquet  
The American Society for Pharmacology and Experimental Therapeutics, Number of pages: 38;Number of tables: 2;Number of figures: 7 ;Number of references: 58, 2013 07 01

---

Endurance training in mice increases the unfolded protein response induced by a high-fat diet  
Louise Deldicque, Patrice D. Cani, Nathalie M. Delzenne, Keith Baar, Marc Francaux  
J. of Physiology and Biochemistry , Volume 69, Issue 2, pp 215-225, 2013 06 01; DOI : 10.1007/s13105-012-0204-9  
WEB >> <http://link.springer.com/article/10.1007/s13105-012-0204-9>

---

Lysophosphatidic acid impairs glucose homeostasis and inhibits insulin secretion in high-fat diet obese mice  
C. Rancoule, C. Attané, S. Grès, A. Fournel, R. Dusaulcy, C. Bertrand, K. Vinel, K. Tréguer, M. Prentki, P. Valet, J. S. Saulnier-Blache  
Diabetologia , Volume 56, Issue 6, pp 1394-1402, 2013 06; DOI : 10.1007/s00125-013-2891-3  
WEB >> <http://link.springer.com/article/10.1007/s00125-013-2891-3>

---

Toll-Like Receptor 4 Knockout Mice Are Protected against Endoplasmic Reticulum Stress Induced by a High-Fat Diet  
Nicolas Pierre, Louise Deldicque, Caroline Barbé, Damien Naslain, Patrice D. Cani, Marc Francaux  
PLoS One, 8(5): e65061. doi:10.1371, 2013 05 31  
WEB >> <http://www.plosone.org/article/authors/info%3Adoi%2F10.1371%2Fjournal.pone.0065061>

---

A novel metal–dye system for urinary phytate detection at micro-molar levels in rats  
A. Costa-Bauza,\*a F. Grases,a S. Fakierb and A. Rodriguez  
Analytical Methods, , 2013 04 18; DOI : 10.1039/C3AY26563C  
WEB >> <http://pubs.rsc.org/en/content/articlelanding/2013/ay/c3ay26563c#divAbstract>

---

Sodium restriction prevents cardiovascular remodeling associated with insulin-resistance in the rat  
C. Rugale, C. Oudot, C. Desmetz, C. Guzman, A. Lajoix, B. Jover,  
Science Direct, Volume 62, Issue 3, June 2013, Pages 139–143, 2013 03 28; DOI : 10.1016/j.ancard.2013.03.001  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0003392813000243>

---

Retinoic Acid Deficiency Impairs the Vestibular Function  
Raymond Romand, Wojciech Krezel, Mathieu Beranek, Laura Cammas, Valérie Fraulob, Nadia Messaddeq, Pascal Kessler, Eri Hashino and Pascal Dollé  
The Journal of Neuroscience, , 2013 03 27; DOI : 10.1523/JNEUROSCI.4618-12.2013  
WEB >> <http://www.jneurosci.org/content/33/13/5856.full.pdf&sa=U&ei=ML5oU-O8GqXK8AGz-oCgDw&ved=0CEcQFjAI&usq=AFQjCNGjTF4HzBZnx5sXqUuOw425NriurQ>

---

Dietary supplementation with Agaricus blazei murill extract prevents diet-induced obesity and insulin resistance in rats.  
Vincent M, Philippe E, Everard A, Kassis N, Rouch C, Denom J, Takeda Y, Uchiyama S, Delzenne NM, Cani PD, Migrenne S, Magnan C.  
Obesity, 21(3):553-61, 2013 03; DOI : 10.1002/oby.20276  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1002/oby.20276/full>

---

Chronic treatment with myo-inositol reduces white adipose tissue accretion and improves insulin sensitivity in female mice.  
Croze ML, Vella RE, Pillon NJ, Soula HA, Hadji L, Guichardant M, Soulage CO.  
J Nutr Biochem, 24(2):457-66, 2013 02; DOI : 10.1016/j.jnutbio.2012.01.008  
WEB >> <http://www.sciencedirect.com/science/article/pii/S095528631200040X>

---

Maternal calorie restriction modulates placental mitochondrial biogenesis and bioenergetic efficiency: putative involvement in fetoplacental growth defects in rats  
American Journal of Physiology, Vol. 304 no. 1, E14-E22, 2013 01 01; DOI : 10.1152/ajpendo.00332.2012  
WEB >> <http://ajpendo.physiology.org/content/304/1/E14>

---

Peripheral injections of melanin-concentrating hormone receptor 1 antagonist S38151 decrease food intake and body weight in rodent obesity models  
Odile Della-Zuana, Valérie Audinot, Viviane Levenez, Alain Ktorza, Françoise Presse, Jean-Louis Nahon, and Jean A. Boutin  
Frontiers in Endocrinology, , 2012 12 21; DOI : 10.3389/fendo.2012.00160  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3527734/>

---

In situ production of innate immune cells in murine white adipose tissue  
Sandrine Poglio, Fabienne De Toni, Daniel Lewandowski, Adeline Minot, Emmanuelle Arnaud, Vilma Barroca, Patrick Laharrague, Louis Casteilla, and Béatrice Cousin  
Blood journal, , 2012 12 13  
WEB >> <http://www.bloodjournal.org/content/120/25/4952?sso-checked=true>

---

Intestinal microbiota determines development of non-alcoholic fatty liver disease in mice  
Tiphaine Le Roy, Marta Llopis, Patricia Lepage, Aurélie Bruneau, Sylvie Rabot, Claudia Bevilacqua, Patrice Martin, Catherine Philippe, Francine Walker, André Bado, Gabriel Perlemuter, Anne-Marie Cassard-Douclier, Philippe Gérard  
Gut, Gut 2013;62:1787-1794, 2012 11 29; DOI : 10.1136/gutjnl-2012-303816

---

## Diabetes\_Obesity\_Metabolic syndrome

Hypothalamic AgRP-neurons control peripheral substrate utilization and nutrient partitioning

Joly-Amado A1, 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. The EMBO Journal, 31(22):4276-88, 2012 11; DOI : 10.1038/emboj.2012.250

WEB >>

<http://emboj.embopress.org/content/31/22/4276.abstract?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&fulltext=safe%20augy&andorexactfulltext=&andsearchid=1&FIRSTINDEX=0&resourcetype=HWCIT>

The role of *Odontella aurita*, a marine diatom rich in EPA, as a dietary supplement in dyslipidemia, platelet function and oxidative stress in high-fat fed rats.

Haimour A, Ulmann L, Mimouni V, Guéno F, Pineau-Vincent F, Meskini N, Tremblin G.

Lipids Health Dis., 11:147., 2012 10 31; DOI : 10.1186/1476-511X-11-147

WEB >> <http://www.lipidworld.com/content/11/1/147>

Food restriction-induced hyperactivity: Addiction or adaptation to famine?

Martine Duclosa, Amel Ouerdanid, Pierre Morméded, Jan Pieter Konsmand

Science Direct, , 2012 10 08; DOI : 10.1016/j.psyneuen.2012.09.012

WEB >> <http://www.sciencedirect.com/science/article/pii/S0306453012003289>

Type 2 Diabetes Mellitus in Mice Aggravates the Renal Impact of Hemorrhagic Shock

Dupuy, Virginie; Mayeur, Nicolas; Buléon, Marie; Jaafar, Acil; Al Saati, Talal; Schaak, Stéphane; Pradaude, Françoise; Minville, Vincent; Tack, Ivan

SCHOCK Journal, Volume 38 - Issue 4 - p 351-355, 2012 10 ; DOI : 10.1097/SHK.0b013e318268810f

WEB >> [http://journals.lww.com/shockjournal/Abstract/2012/10000/Type\\_2\\_Diabetes\\_Mellitus\\_in\\_Mice\\_Aggravates\\_the.4.aspx](http://journals.lww.com/shockjournal/Abstract/2012/10000/Type_2_Diabetes_Mellitus_in_Mice_Aggravates_the.4.aspx)

Effects of thiamine deficiency on food intake and body weight increment in adult female and growing rats

Bâ, Abdoulaye

Behavioural Pharmacology, Volume 23 - Issue 5 and 6 - p 575-581, 2012 09; DOI : 10.1097/FBP.0b013e32835724a1

WEB >> [http://journals.lww.com/behavioural/pharm/Abstract/2012/09000/Effects\\_of\\_thiamine\\_deficiency\\_on\\_food\\_intake\\_and.13.aspx](http://journals.lww.com/behavioural/pharm/Abstract/2012/09000/Effects_of_thiamine_deficiency_on_food_intake_and.13.aspx)

Socs2 deletion protects against hepatic steatosis but worsens insulin resistance in high-fat-diet-fed mice

Fahad Zadjali, Ruyman Santana-Farre, Mattias Vesterlund, Berit Carow, Mercedes Mirecki-Garrido, Irene Hernandez-Hernandez, Malin Flodström-Tullberg, Paolo Parini,

Martin Rottenberg, Gunnar Norstedt, Leandro Fernandez-Perez and Amílcar Flores-Morales

The FASEB Journal, vol. 26 no. 8 3282-3291, 2012 08 ; DOI : 10.1096/fj.12-205583

Properties of subependymal cerebrospinal fluid contacting neurones in the dorsal vagal complex of the mouse brainstem

Adeline Orts-Del'Immagine, Nicolas Wanaverbecq, Catherine Tardivel, Vanessa Tillement, Michel Dallaporta and Jérôme Trouslard

The Journal of Physiology, Volume 590, Issue 16, pages 3719-3741, August 2012, 2012 06 11; DOI : 10.1113/jphysiol.2012.227959

WEB >> <http://onlinelibrary.wiley.com/doi/10.1113/jphysiol.2012.227959/abstract>

CD36 Inhibitors Reduce Postprandial Hypertriglyceridemia and Protect against Diabetic Dyslipidemia and Atherosclerosis

Alain Geloën, Lionel Helin, Benjamine Geeraert, Eric Malaud, Paul Holvoet, Gerard Marguerie

PLoS One, , 2012 05 25 ; DOI : 10.1371/journal.pone.0037633

WEB >> <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0037633>

Factors other than genotype account largely for the phenotypic variation of the pulmonary valve in Syrian hamsters

M. Carmen Fernández, Ana C. Durán, Borja Fernández, Josep M. Arqué, Robert H. Anderson and Valentín Sans-Coma

Journal of Anatomy, Volume 221, Issue 1, pages 30-38, July 2012, 2012 05 17; DOI : 10.1111/j.1469-7580.2012.01512.x

WEB >> <http://onlinelibrary.wiley.com/doi/10.1111/j.1469-7580.2012.01512.x/full>

Increased homocysteinemia is associated with beneficial effects on body weight after long-term high-protein, low-fat diet in rats

Bernard Beck, Carine Bossenmeyer-Pouré, Elise Jeannesson, Sébastien Richy, Jean-Louis Guéant

Nutrition Journal, Volume 28, Issue 9, Pages 932-936, 2012 05 04; DOI : 10.1016/j.nut.2011.12.015

WEB >> [http://www.nutritionjrn.com/article/S0899-9007\(12\)00008-1/abstract](http://www.nutritionjrn.com/article/S0899-9007(12)00008-1/abstract)

Impact of salt on cardiac differential gene expression and coronary lesion in normotensive mineralocorticoid-treated mice

Qing Wang , Andrea A. Domenighetti , Stephan C. Schäfer , Johannes Weber , Alexandra Simon , Marc P. Maillard , Thierry Pedrazzini , Ju Chen , Hans-

Anton Lehr , Michel Burnier

APS Journals, Vol. 302 no. 9., 2012 05 01; DOI : 10.1152/ajpregu.00387.2011

Prevention of gut leakiness by a probiotic treatment leads to attenuated HPA response to an acute psychological stress in rats

Afifa Ait-Belgnaouia, Henri Durand, Christel Cartiera, Gilles Chaumaza, Hélène Eutamenea, Laurent Ferriera, Eric Houdeau, Jean Fioramontia, Lionel Buenoia, Vassilia

Theodoroua

Science Direct, Volume 37, Issue 11, November 2012, Pages 1885-1895, 2012 04 25; DOI : 10.1016/j.psyneuen.2012.03.024

Adipocytes Secrete Leukotrienes

Contribution to Obesity-Associated Inflammation and Insulin Resistance in Mice

Isabelle Mothe-Satney, Chantal Filloux, Hind Amghar, Catherine Pons, Virginie Bourlier, Jean Galitzky, Paul A. Grimaldi, Chloé C. Féral, Anne Bouloumié, Emmanuel Van

Obberghen and Jaap G. Neels

Methylglyoxal promotes oxidative stress and endothelial dysfunction

Cristina M. Senaa, Paulo Matafofea, Joana Crisóstomoa, Lisa Rodriguesa, Rosa Fernandesb, Paulo Pereirab, Raquel M. Seicaa

Science Direct, Volume 65, Issue 5, May 2012, Pages 497-506, 2012 03 16; DOI : 10.1016/j.phrs.2012.03.004

WEB >> <http://www.sciencedirect.com/science/article/pii/S1043661812000448>

Up-regulation of intestinal type 1 taste receptor 3 and sodium glucose luminal transporter-1 expression and increased sucrose intake in mice lacking gut microbiota

T. D. Swartz, F. A. Duca, T. de Wouters, Y. Sakar, and M. Covasa

Br J Nutr., 107 : pp 621-630 , 2012 03 14

WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8487228>

The PPAR $\alpha$  Agonist Fenofibrate Reduces Prepulse Inhibition Disruption in a Neurodevelopmental Model of Schizophrenia

Benjamin Rolland, Kevin Marche, Olivier Cottencin, and Régis Bordet

Schizophrenia Research and Treatment, Volume 2012, Article ID 839853, 5 pages, 2012 03 13; DOI : 10.1155/2012/839853

WEB >> [file:///C:/Users/epetit/Downloads/839853%20\(2\).pdf](file:///C:/Users/epetit/Downloads/839853%20(2).pdf)



## Diabetes\_Obesity\_Metabolic syndrome

High-Fat and Fructose Intake Induces Insulin Resistance, Dyslipidemia, and Liver Steatosis and Alters In Vivo Macrophage-to-Feces Reverse Cholesterol Transport in Hamsters<sup>1-3</sup>

---

Pre-f-1 in brown adipose tissue: specific involvement in brown adipocyte differentiation and regulatory role of C/EBP $\delta$   
Jordi Armengol, Josep A Villena, Elayne Hondares, María C Carmona, Hei Sook Sul, Roser Iglesias, Marta Giralt and Francesc Villarroya  
Biochemical J., 2012 02 13  
WEB >> <http://www.biochemj.org/bj/imps/abs/BJ20111714.htm>

---

Pentoxifylline aggravates fatty liver in obese and diabetic ob/ob mice by increasing intestinal glucose absorption and activating hepatic lipogenesis  
J Massart, MA Robin, F Noury, A Fautrel, P Lettéron, A Bado, PA Eliat and B Fromenty  
Wiley Online Library, Volume 165, Issue 5, pages 1361-1374, March 2012, 2012 02 10; DOI : 10.1111/j.1476-5381.2011.01580.x  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1111/j.1476-5381.2011.01580.x/full>

---

Ripened Dairy Products Differentially Affect Hepatic Lipid Content and Adipose Tissue Oxidative Stress Markers in Obese and Type 2 Diabetic Mice  
Lucie Geurts, Amandine Everard, Pascale le Ruyet, Nathalie M. Delzenne, and Patrice D. Cani  
J. of agricultural and food chemistry, 2012 02 02  
WEB >> <http://pubs.acs.org/doi/abs/10.1021/jf204916x>

---

Diet-induced obesity has neuroprotective effects in murine gastric enteric nervous system: involvement of leptin and glial cell line-derived neurotrophic factor  
Baudry C, Reichardt F, Marchix J, Bado A, Schemann M, des Varannes SB, Neunlist M, Moriez R.  
J Physiol, 590(Pt 3):533-44, 2012 02 01; DOI : 10.1113/jphysiol.2011.219717  
WEB >> <http://jp.physoc.org/content/590/3/533.short>

---

Diet-induced obesity affects expression of adiponutrin/PNPLA3 and adipose triglyceride lipase, two members of the same family  
P Oliver, A Caimari, R Díaz-Rúa and A Palou  
International J. of Obesity, 36, 225-232, 2012 02; DOI : 10.1038/ijo.2011.92  
WEB >> <http://www.nature.com/ijo/journal/v36/n2/full/ijo201192a.html>

---

Low doses of bisphenol a induce gene expression related to lipid synthesis and trigger triglyceride accumulation in adult mouse liver  
Marmugi A, Ducheix S, Lasserre F, Polizzi A, Paris A, Priymenko N, Bertrand-Michel J, Pineau T, Guillou H, Martin PG, Mselli-Lakhall L.  
Hepatology, Volume 55, Issue 2, pages 395-407, 2012 02  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1002/hep.24685/abstract>

---

Activated platelets contribute to oxidized low-density lipoproteins and dysfunctional high-density lipoproteins through a phospholipase A2-dependent mechanism  
Blache D, Gautier T, Tietge UJ, Lagrost L.  
FASEB J., 26(2):927-37, 2012 02  
WEB >> <http://www.fasebj.org/content/early/2011/10/28/fj.11-191593.short>

---

Antagonism of peripheral hepatic cannabinoid receptor-1 improves liver lipid metabolism in mice: Evidence from cultured explants†  
Tony Jourdan, Laurent Demizieux, Joseph Gresti, Louiza Djaouti, Lila Gaba, Bruno Vergès and Pascal Degrace  
Hepatology, Volume 55, Issue 3, pages 790-799, March 2012, 2012 01 30; DOI : 10.1002/hep.24733  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1002/hep.24733/full>

---

Chronic dietary supplementation of proanthocyanidins corrects the mitochondrial dysfunction of brown adipose tissue caused by diet-induced obesity in Wistar rats  
David Pajuelo, Helena Quesada, Sabina Díaz, Anabel Fernández-Iglesias, Anna Arola-Arnal, Cinta Bladé, Josepa Salvadó and Lluís Arola  
Br J Nutr., 107 : pp 170-178, 2012 01 28; DOI : 10.1017/S0007114511002728  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8476718>

---

Regulation of hepatic mitochondrial metabolism in response to a high fat diet: a longitudinal study in rats  
Mélicha Flamment, Jennifer Rieusset, Hubert Vidal, Gilles Simard, Yves Malthiery, Bernard Fromenty and Pierre-Henri Ducruzeau  
J Nutr Biochem., 2012 01 26  
WEB >> <http://www.springerlink.com/content/4708611vk153u42g/>

---

Normalizing action of exendin-4 and GLP-1 on the glucose metabolism of extrapancreatic tissues in insulin resistant and type 2 diabetic states  
Moreno P, Nuche-Berenguer B, Gutiérrez-Rojas I, Acitores A, Sancho V, Valverde I, González N, Villanueva-Peñacarrillo ML.  
J. of Molecular Endocrinology, 48(1):37-47, 2012 01 25  
WEB >> <http://jme.endocrinology-journals.org/content/early/2011/11/07/JME-11-0127.abstract>

---

Metabolic Fate of 2,4-Dichlorophenol and Related Plant Residues in Rats  
Sophie Pascal-Lorber, Sabrina Despoux, Emilien L. Jamin, Cécile Canlet, Jean-Pierre Cravedi, and François Laurent  
J Agric Food Chem., 2012 01 25; DOI : 10.1021/jf203666k  
WEB >> <http://pubs.acs.org/doi/abs/10.1021/jf203666k>

---

Chronic caffeine intake decreases circulating catecholamines and prevents diet-induced insulin resistance and hypertension in rats  
Silvia V. Conde, Tiago Nunes da Silva, Constanancio Gonzalez, Miguel Mota Carmo, Emilia C. Monteiro and Maria P. Guarino  
Br J Nutr., 107 : pp 86-95, 2012 01 14; DOI : 10.1017/S0007114511002406  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8473981>

---

Sex-dependent differences in rat hepatic lipid accumulation and insulin sensitivity in response to diet-induced obesity  
Antonia Nadal-Casellas, Ana Maria Proenza, Isabel Lladó, Magdalena Gianotti  
Biochimie et biologie cellulaire, 2012 01 11  
WEB >> <http://www.nrcresearchpress.com/doi/abs/10.1139/o11-069>

---

Reduction of endoplasmic reticulum stress using chemical chaperones or Grp78 overexpression does not protect muscle cells from palmitate-induced insulin resistance  
Rieusset J, Chauvin MA, Durand A, Bravard A, Laugerette F, Michalski MC, Vidal H.  
Biochemical and Biophysical Research Communications, 417(1):439-45, 2012 01 06  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0006291X11021632>

---

## Diabetes\_Obesity\_Metabolic syndrome

Role of IGFBP-3 in the Regulation of  $\beta$ -Cell Mass during Obesity: Adipose Tissue/ $\beta$ -Cell Cross Talk  
Nuria Palau, Sandra A. Rebuffat, Jordi Altirriba, Sandra Piquer, Felicia A. Hanzu, Ramon Gomis and Albert Barbera  
Endocrinology, vol. 153 no. 1 177-187 , 2012 01 01  
WEB >> <http://endo.endojournals.org/content/153/1/177.short>

---

Wheat-derived arabinoxylan oligosaccharides with prebiotic effect increase satiogenic gut peptides and reduce metabolic endotoxemia in diet-induced obese mice  
A M Neyrinck, V F Van Hée, N Piront, F De Backer, O Toussaint, P D Cani and N M Delzenne  
Nutrition and Diabetes, page 2, e28, 2012  
WEB >> <http://www.nature.com/nutd/journal/v2/n1/abs/nutd201124a.html>

---

Low doses of bisphenol A induce gene expression related to lipid synthesis and trigger triglyceride accumulation in adult mouse liver  
Alice Marmugi, Simon Ducheix, Frédéric Lasserre, Arnaud Polizzi, Alain Paris, Nathalie Priymenko, Justine Bertrand-Michel, Thierry Pineau, Hervé Guillou, Pascal G.P. Martin and Laïla Mselli-Lakhal  
Hepatology, Volume 55, Issue 2, pages 395–407, February 2012, 2011 12 22

---

Spreading intake of a leucine-rich fast protein in energy-restricted overweight rats does not improve protein mass  
Solange Adechian, Didier Rémond, Claire Gaudichon, Corinne Pouyet, Dominique Dardevet, Laurent Mosoni  
ScienceDirect, Volume 350, Issue 1, 5 March 2012, Pages 136–144, 2011 12 20; DOI : 10.1016/j.nut.2011.08.020  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0899900711003170>

---

Hypothalamic serotonin–insulin signaling cross-talk and alterations in a type 2 diabetic model  
Ioannis Papazoglou, Flavien Berthou, Nicolas Vicarea, Claude Rouchc, Eirini M. Markakic, Danielle Bailbed, Bernard Porthad, Mohammed Taouisa, Kyriaki Gerozissisa  
Science Direct, Volume 350, Issue 1, 5 March 2012, Pages 136–144, 2011 12 19; DOI : 10.1016/j.mce.2011.12.007  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0303720711007313>

---

Phloridzin reduces blood glucose levels and improves lipids metabolism in streptozotocin-induced diabetic rats  
Mahmood Najafian, Mohammad Zareain Jahromi, Mohammad Javad Nowroznejhad, Parastoo Khajeaian, Mohammad Mehdi Kargar, Mehdi Sadeghi and Amir Arasteh  
Molecular Biology Reports, , 2011 12 13  
WEB >> <http://www.springerlink.com/content/x600126nr311m504/abstract/>

---

Carbon tetrachloride-mediated lipid peroxidation induces early mitochondrial alterations in mouse liver  
Laetitia Knockaert, Alain Berson, Catherine Ribault, Pierre-Emmanuel Prost, Alain Fautrel, Julie Pajaud, Sylvie Lepage, Catherine Lucas-Clerc, Jean-Marc Bégué, Bernard Fromenty and Marie-Anne Robin  
Laboratory Investigation, , 2011 12 12; DOI : 10.1038/labinvest.2011.193  
WEB >> <http://www.nature.com/labinvest/journal/v92/n3/abs/labinvest2011193a.html>

---

Energy restriction and exercise modulate angiopoietins and vascular endothelial growth factor expression in the cavernous tissue of high-fat diet-fed rats.  
Inês Tomada, Nuno Tomada, Henrique Almeida and Delminda Neves  
Asian Journal of Andrology, , 2011 12 05; DOI : 10.1038/aja.2011.131  
WEB >> <http://www.nature.com/aja/journal/vaop/ncurrent/full/aja2011131a.html>

---

Pathology of the liver in obese and diabetic ob/ob and db/db mice fed a standard or high-calorie diet  
Viviane Trak-Smayra, Valérie Paradis, Julie Massart, Selim Nasser, Victor Jebara, Bernard Fromenty  
International J. of Experimental Pathology, Volume 92, Issue 6, pages 413–421, 2011 12  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2613.2011.00793.x/full>

---

Differential Effects of Acute (Extenuating) and Chronic (Training) Exercise on Inflammation and Oxidative Stress Status in an Animal Model of Type 2 Diabetes Mellitus  
Edite Teixeira de Lemos, Rui Pinto, Jorge Oliveira, Patrícia Garrido, José Sereno, Filipa Mascarenhas-Melo, João Páscoa-Pinheiro, Frederico Teixeira, and Flávio Reis  
Mediators of Inflammation, Volume 2011, Article ID 253061, 8 pages, 2011 11 15  
WEB >> <http://www.hindawi.com/journals/mi/2011/253061/>

---

Normalizing action of exendin-4 and GLP-1 in the glucose metabolism of extrapancreatic tissues in insulin-resistant and type 2 diabetic states  
Paola Moreno, Bernardo Nucho-Berenguer, Irene Gutiérrez-Rojas, Alicia Acitores, Verónica Sancho, Isabel Valverde, Nieves González and María L Villanueva-Peñacarrillo  
Society for Endocrinology, , 2011 11 07; DOI : 10.1530/JME-11-0127  
WEB >> <http://jme.endocrinology-journals.org/content/48/1/37.short>

---

Role of Islet Culture on Angiogenic and Inflammatory Mechanisms  
K. Vivot, N. Jeandier, C. Dollinger, W. Bietiger, M. Pinget, S. Sigrist, A. Langlois  
Transplantation Proceedings, Volume 43, Issue 9, Pages 3201–3204, 2011 11  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0041134511013753>

---

Implication of Low Level Inflammation in the Insulin Resistance of Adipose Tissue at Late Pregnancy  
J. de Castro, J. Sevillano, J. Marciniak, R. Rodríguez, C. González-Martín, M. Viana, O. H. Eun-suk, S. Hauguel de Mouzon, E. Herrera and M. P. Ramos  
Endocrinology, vol. 152 no. 11 4094-4105 , 2011 11  
WEB >> <http://endo.endojournals.org/content/152/11/4094.short>

---

Effects of Nori- and Wakame-enriched meats with or without supplementary cholesterol on arylesterase activity, lipaemia and lipoproteinaemia in growing Wistar rats.  
Olivero-David R, Schultz-Moreira A, Vázquez-Velasco M, González-Torres L, Bastida S, Benedí J, Sanchez-Reus MI, González-Muñoz MJ, Sánchez-Muniz FJ.  
Br J Nutr., 106(10):1476-86, 2011 11  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8425832>

---

Sleep structure and feeding pattern changes induced by the liver's thermal status in the rat  
FATIM-ZOHRRA EL HAJJAJI, AMANDINE PELLETIER, STÉPHANE DELANAUD, JEAN-PIERRE LIBERT, VÉRONIQUE BACH and NATHALIE LOOS  
J Sleep Res, Volume 21, Issue 2, pages 204–211, April 2012, 2011 10 13; DOI : 10.1111/j.1365-2869.2011.00973.x  
WEB >> [https://scholar.google.fr/scholar?start=100&q=Uar+%2B+obesity&hl=fr&as\\_sdt=0,5&as\\_ylo=2012&as\\_yhi=2015](https://scholar.google.fr/scholar?start=100&q=Uar+%2B+obesity&hl=fr&as_sdt=0,5&as_ylo=2012&as_yhi=2015)

---

## Diabetes\_Obesity\_Metabolic syndrome

### Dietary Cholesterol-Induced Post-Testicular Infertility

Aurélia Ouvrier, Georges Alves, Christelle Damon-Soubeyrand, Geoffroy Marceau, Rémi Cadet, Laurent Janny, Florence Brugnion, Ayhan Kocer, Aurélien Pommier, Jean-Marc A. Lobaccaro, Joël R. Drevet, Fabrice Saez  
PLoS One, 6(11): e26966, 2011 10 06; DOI : 10.1371/journal.pone.0026966

---

### D-Fagomine lowers postprandial blood glucose and modulates bacterial adhesion

Gómez L, Molinar-Toribio E, Calvo-Torras MA, Adelantado C, Juan ME, Planas JM, Cañas X, Lozano C, Pumarola S, Clapés P, Torres JL.  
Br J Nutr., page 1 - 8, 2011 10 03  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8394632>

---

### Phytotherapy in a rat model of hyperoxaluria: the antioxidant effects of quercetin involve serum paraoxonase 1 activation

Amengual-Cladera E, Nadal-Casellas A, Gómez-Pérez Y, Gomila I, Prieto RM, Proenza AM, Lladó I.  
Experimental Biology and Medicine, 236(10):1133-8, 2011 10 01; DOI : 10.1258/ebm.2011.011090  
WEB >> <http://ebm.rsmjournals.com/content/236/10/1133.short>

---

### Effects of ovariectomy and 17- $\beta$ estradiol replacement on rat brown adipose tissue mitochondrial function

Nadal-Casellas A, Proenza AM, Lladó I, Gianotti M.  
Steroids, 76(10-11):1051-6, 2011 10  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0039128X11001425>

---

### Amylin effect in extrapancreatic tissues participating in glucose homeostasis, in normal, insulin-resistant and type 2 diabetic state

Moreno P, Acitores A, Gutiérrez-Rojas I, Nuche-Berenguer B, El Assar M, Rodríguez-Mañas L, Gomis R, Valverde I, Visa M, Malaisse WJ, Novials A, González N, Villanueva-Peñacarrillo ML.  
Peptides, Volume 32, Issue 10, Pages 2077–2085, 2011 10  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0196978111003731>

---

### Adipose triglyceride lipase expression and fasting regulation are differently affected by cold exposure in adipose tissues of lean and obese Zucker rats

Antoni Caimari, Paula Oliver, Andreu Palou  
J Nutr Biochem., , 2011 09 22  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0955286311001720>

---

### Maternal prenatal undernutrition programs adipose tissue gene expression in adult male rat offspring under high-fat diet

Marie-Amélie Lukaszewski, Sylvain Mayeur, Isabelle Fajardy, Fabien Delahaye, Isabelle Dutriez-Casteloot, Valérie Montel, Anne Dickes-Coopman, Christine Laborie, Jean Lesage, Didier Vieau, and Christophe Breton  
Am. J. Physiol Endocrinol Metab., vol. 301 no. 3 E548-E559 , 2011 09; DOI : 10.1152/ajpendo.00011.2011  
WEB >> <http://ajpendo.physiology.org/content/301/3/E548.short>

---

### Intestinal mucosal adherence and translocation of commensal bacteria at the early onset of type 2 diabetes: molecular mechanisms and probiotic treatment

EMBO Molecular Medicine, Volume 3, Issue 9, pages 559–572, 2011 09; DOI : 10.1002/emmm.201100159  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1002/emmm.201100159/full>

---

### Citral as a potential antihyperlipidemic medicine in diabetes: a study on streptozotocin-induced diabetic rats

Mahmoud Najafian, Azadeh Ebrahim-Habibi, Parichehreh Yaghmaei, Kazem Parivar, Bagher Larjani  
Iranian Journal of Diabetes and Lipid Disorders, Vol 10, pp 1- 8, 2011 08 23  
WEB >> [http://journals.tums.ac.ir/abs.aspx?org\\_id=59&culture\\_var=en&journal\\_id=27&issue\\_id=2070&manuscript\\_id=19069&segment=en](http://journals.tums.ac.ir/abs.aspx?org_id=59&culture_var=en&journal_id=27&issue_id=2070&manuscript_id=19069&segment=en)

---

### Glucose 6-phosphate, rather than xylulose 5-phosphate, is required for the activation of ChREBP in response to glucose in the liver

Renaud Dentin<sup>1, 2, 3</sup>, Lidia Tomas-Cobos<sup>4, 5, ‡</sup>, Fabienne Foufelle<sup>4, 5</sup>, Jane Leopold<sup>6</sup>, Jean Girard<sup>1, 2, 3</sup>, Catherine Postic<sup>1, 2, 3, , †</sup>, Pascal Ferré<sup>4, 5, †</sup>  
Science Direct, Volume 56, Issue 1, January 2012, Pages 199–209, 2011 08 09; DOI : 10.1016/j.jhep.2011.07.019  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0168827811006131>

---

### Physiological and Pharmacological Mechanisms through which the DPP-4 Inhibitor Sitagliptin Regulates Glycemia in Mice

Waget A, Cabou C, Masseboeuf M, Cattan P, Armanet M, Castel J, Garret C, Payros G, Maida A, Sulpice T, Holst JJ, Drucker DJ, Magnan C, Burcelin R.  
Endocrinology, 152(8):3018-29, 2011 08  
WEB >> <http://endo.endojournals.org/content/152/8/3018.short>

---

### GLUT2 Accumulation in Enterocyte Apical and Intracellular Membranes A Study in Morbidly Obese Human Subjects and ob/ob and High Fat–Fed Mice

American Diabetes Association, Diabetes October 2011 vol. 60 no. 10 2598-2607 , 2011 07 31; DOI : 10.2337/db10-1740/-DC1.  
WEB >>

---

### Improvement of Mitochondrial Function in Muscle of Genetically Obese Rats after Chronic Supplementation with Proanthocyanidins

David Pajuelo, Anabel Fernández-Iglesias, Sabina Díaz, Helena Quesada, Anna Arola-Arnal, Cinta Bladé, Josepa Salvadó, and Lluís Arola  
J. of agricultural and food chemistry, 59 (15), pp 8491–8498, 2011 07 05  
WEB >> <http://pubs.acs.org/doi/abs/10.1021/jf201775v?mi=vf0gvl&af=R&pageSize=20&title=mitochondrial>

---

### Sex-Dependent Effects of High-Fat-Diet Feeding on Rat Pancreas Oxidative Stress

Gómez-Pérez, Yolanda PhD; Gianotti, Magdalena PhD; Lladó, Isabel PhD; Proenza, Ana M. PhD  
Pancreas, 40(5):682-8, 2011 07; DOI : 10.1097/MPA.0b013e31821f2645  
WEB >> [http://journals.lww.com/pancreasjournal/Abstract/2011/07000/Sex\\_Dependent\\_Effects\\_of\\_High\\_Fat\\_Diet\\_Feeding\\_on.9.aspx](http://journals.lww.com/pancreasjournal/Abstract/2011/07000/Sex_Dependent_Effects_of_High_Fat_Diet_Feeding_on.9.aspx)

---

### Multiple cycles of repeated treatments with a Phaseolus vulgaris dry extract reduce food intake and body weight in obese rats.

Carai MA, Fantini N, Loi B, Colombo G, Gessa GL, Riva A, Bombardelli E, Morazzoni P.  
Br J Nutr., 106(5):762-8, 2011 07  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8359129>

---

## Diabetes\_Obesity\_Metabolic syndrome

Probiotic Effects of Wheat Arabinoxylan Related to the Increase in Bifidobacteria, Roseburia and Bacteroides/Prevotella in Diet-Induced Obese Mice  
Neyrinck AM, Possemiers S, Druart C, Van de Wiele T, De Backer F, et al.  
PLoS One, 6(6): e20944, 2011 06 09  
WEB >> <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0020944>

---

Farnesoid X receptor deficiency improves glucose homeostasis in mouse models of obesity.  
Prawitt J, Abdelkarim M, Stroeve JH, Popescu I, Duez H, Velagapudi VR, Dumont J, Bouchaert E, van Dijk TH, Lucas A, Dorchies E, Daoudi M, Lestavel S, Gonzalez FJ, Oresic M, Cariou B, Kuipers F, Caron S, Staels B.  
Diabetes, 60(7):1861-71, 2011 06  
WEB >> <http://hal.archives-ouvertes.fr/inserm-00605738/>

---

Adipose-specific disruption of autotaxin enhances nutritional fattening and reduces plasma lysophosphatidic acid  
Dusaulcy R, Rancoule C, Grès S, Wanecq E, Colom A, Guigné C, van Meeteren LA, Moolenaar WH, Valet P, Saulnier-Blache JS.  
J. of Lipid Research, 52(6):1247-55, 2011 06  
WEB >> <http://www.jlr.org/content/52/6/1247.short>

---

Exposure in utero to maternal diabetes leads to glucose intolerance and high blood pressure with no major effects on lipid metabolism  
B. Blondeau, B. Joly, C. Perret, S. Prince, P. Bruneval, M. Lelièvre-Pégorier, C. Fassot, J.-P. Duong Van Huyen  
Diabetes & Metabolism, Volume 37, Issue 3, Pages 245-251, 2011 06  
WEB >> <http://www.sciencedirect.com/science/article/pii/S1262363610002946>

---

Moderate caloric restriction in lactating rats programs their offspring for a better response to HF diet feeding in a sex-dependent manner  
Mariona Palou, Juana María Torrens, Teresa Priego, Juana Sánchez, Andreu Palou, Catalina Picó  
J Nutr Biochem., Volume 22, Issue 6, Pages 574-584, 2011 06  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0955286310001361>

---

Functional variability in corticosteroid receptors is a major component of strain differences in fat deposition and metabolic consequences of enriched diets in rat  
Nathalie Marissal-Arvy, Allan Langlois, Claudine Tridon, Pierre Mormede  
Metabolism, Volume 60, Issue 5, Pages 706-719, 2011 05  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0026049510002246>

---

Metformin restores endothelial function in aorta of diabetic rats  
Sena CM, Matafome P, Louro T, Nunes E, Fernandes R, Seica RM.  
British J. of Pharmacology, Volume 163, Issue 2, pages 424-437, 2011 05  
WEB >> <http://onlineibrary.wiley.com/doi/10.1111/j.1476-5381.2011.01230.x/full>

---

GLP-1 and exendin-4 can reverse hyperlipidic-related osteopenia  
Nuche-Berenguer B, Lozano D, Gutiérrez-Rojas I, Moreno P, Mariñoso ML, Esbrit P, Villanueva-Peñacarrillo ML.  
J. of Endocrinology, 209(2):203-10, 2011 05  
WEB >> <http://joe.endocrinology-journals.org/content/209/2/203.short>

---

Iso-caloric intake of a high-fat diet modifies adiposity and lipid handling in a sex dependent manner in rats  
Maria E Estrany, Ana M Proenza, Isabel Lladó and Magdalena Gianotti  
Lipids Health Dis., page 10:52, 2011 04 12; DOI : 10.1186/1476-511X-10-52  
WEB >> <http://www.lipidworld.com/content/10/1/52/>

---

Accurate fat fraction quantification by multiecho gradient-recalled-echo magnetic resonance at 1.5 T in rats with nonalcoholic fatty liver disease  
Hijona E, Sánchez-González J, Alústiza JM, Hijona L, Arenas J, García E, Rojas N, Portillo MP, Jiménez R, Aldazabal P, Bujanda L.  
European J. of Radiology, , 2011 04 01; DOI : 10.1016/j.ejrad.2011.02.065  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0720048X11002609>

---

Modulatory effect of grape-seed procyanidins on local and systemic inflammation in diet-induced obesity rats  
Ximena Terra, Víctor Pallarés, Anna Ardèvol, Cinta Bladé, Juan Fernández-Larrea, Gerard Pujadas, Josepa Salvadó, Lluís Arola, Mayte Blay  
J Nutr Biochem., Volume 22, Issue 4, Pages 380-387, 2011 04  
WEB >> <http://www.jnutbio.com/article/S0955-2863%2810%2900079-3/abstract>

---

Age-Related Decline of Skeletal Muscle Insulin Sensitivity in Rats: Effect of Sex and Muscle Type  
Yolanda Gómez-Pérez, Magdalena Gianotti, Ana M. Proenza, and Isabel Lladó  
Rejuvenation Research, 14(2): 153-161, 2011 04  
WEB >> <http://online.liebertpub.com/doi/abs/10.1089/rej.2010.1107>

---

Brown adipose tissue redox status in response to dietary-induced obesity-associated oxidative stress in male and female rats  
A. Nadal-Casellas, A. M. Proenza, M. Gianotti, I. Lladó  
Stress, Vol. 14, No. 2, , Pages 174-184, 2011 03; DOI : 10.3109/10253890.2010.524681  
WEB >> <http://informahealthcare.com/doi/abs/10.3109/10253890.2010.524681>

---

Exercise Reverses Metabolic Syndrome in High-Fat Diet-Induced Obese Rats  
TOUATI, SABELUR; MEZIRI, FAYÇAL; DEVAUX, SYLVIE; BERTHELOT, ALAIN; TOUYZ, RHIAN M.; LAURANT, PASCAL  
Medicine & Science in Sports & Exercise, Volume 43 - Issue 3 - pp 398-407, 2011 03  
WEB >> [http://journals.lww.com/acsm-msse/Abstract/2011/03000/Exercise\\_Reverses\\_Metabolic\\_Syndrome\\_in\\_High\\_Fat.4.aspx](http://journals.lww.com/acsm-msse/Abstract/2011/03000/Exercise_Reverses_Metabolic_Syndrome_in_High_Fat.4.aspx)

---

Sodium tungstate regulates food intake and body weight through activation of the hypothalamic leptin pathway  
Amigó-Correig M, Barceló-Batllori S, Piquer S, Soty M, Pujadas G, Gasa R, Bortolozzi A, Carmona MC, Gomis R.  
Diabetes Obesity and Metabolism, 13(3):235-42, 2011 03  
WEB >> <http://onlineibrary.wiley.com/doi/10.1111/j.1463-1326.2010.01339.x/full>

---

## Diabetes\_Obesity\_Metabolic syndrome

Experimental Metabolic Surgery: Justification and Technical Aspects  
Fátima Sabench Pererferrer, Mercè Hernández González and Daniel Del Castillo Déjardin  
Obesity Surgery, Volume 21, Number 10, 1617-1628, 2011 02 25  
WEB >> <http://www.springerlink.com/content/v11274482021ju5k/>

---

Unexpected Long-Term Protection of Adult Offspring Born to High-Fat Fed Dams against Obesity Induced by a Sucrose-Rich Diet  
Odile Couvreur, Jacqueline Ferezou, Daniel Gripois, Colette Serougne, Delphine Crépin, Alain Aubourg, Arieh Gertler, Claire-Marie Vacher, Mohammed Taouis  
PLoS One, 6(3): e18043, 2011 02 21  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3064582/?tool=pmcentrez>

---

Moderate Caloric Restriction during Gestation in Rats Alters Adipose Tissue Sympathetic Innervation and Later Adiposity in Offspring  
García AP, Palou M, Sánchez J, Priego T, Palou A, et al.  
PLoS One, 6(2): e17313, 2011 02 18  
WEB >> <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0017313>

---

Effects of a high-fat diet on energy metabolism and ROS production in rat liver  
Guillaume Vialemail address, Hervé Dubouchaud, Karine Couturier, Cécile Cottet-Rousselle, Nellie Taleux, Anne Athias, Anne Galinier, Louis Casteilla, Xavier M. Leverve  
J. of Hepatology, , 2011 02  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0168827810007944>

---

Metformin and atorvastatin combination further protect the liver in type 2 diabetes with hyperlipidaemia  
Matafome, P., Louro, T., Rodrigues, L., Crisóstomo, J., Nunes, E., Amaral, C., Monteiro, P., Cipriano, A. and Seíça, R.  
Diabetes/Metabolism Research and Reviews, Volume 27, Issue 1, pages 54–62, 2011 01  
WEB >> <http://onlinelibrary.wiley.com/doi/10.1002/dmrr.1157/full>

---

Quantitative CT imaging for adipose tissue analysis in mouse model of obesity  
Arnaud Marchadier, Catherine Vidal, Jean-Pierre Tafani, Sylvain Ordureau, Roger Lédée, Christophe Léger  
SPIE Medical Imaging, , 2011  
WEB >> <http://hal.archives-ouvertes.fr/hal-00608280/>

---

Diabetic Nephropathy Amelioration by a Low-Dose Sitagliptin in an Animal Model of Type 2 Diabetes (Zucker Diabetic Fatty Rat)  
Cristina Mega, Edite Teixeira de Lemos, Helena Vala, et al.  
Experimental Diabetes Research, , 2011  
WEB >> <http://www.hindawi.com/journals/edr/2011/162092/cta/>

---

Habitual Physical Exercise Improves Macrophage IL-6 and TNF- $\alpha$  Deregulated Release in the Obese Zucker Rat Model of the Metabolic Syndrome  
Leticia Martín-Cordero, Juan José García, María Dolores Hinchado, Elena Bote, Rafael Manso, Eduardo Ortega  
Neuroimmunomodulation , Vol. 18, No. 2, 2011  
WEB >> <http://content.karger.com/produktedb/produkte.asp?DOI=000322053&typ=pdf>

---

Upregulation of eNOS and unchanged energy metabolism in increased susceptibility of the aging type 2 diabetic GK rat heart to ischemic injury  
Martine Desrois, Kieran Clarke, Carole Lan, Christiane Dalmasso, Mark Cole, Bernard Portha, Patrick J. Cozzone, Monique Bernard  
Am. J. Physiol Heart Circ Physiol, 299(5): H1679–H1686, 2010 11  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2993220/?tool=pmcentrez>

---

Cirsimarin, a potent antilipogenic flavonoid, decreases fat deposition in mice intra-abdominal adipose tissue  
Zarrouki B, Pillon NJ, Kalbacher E, Soula HA, Nia N'Jomen G, Grand L, Chambert S, Geloan A, Soulagre CO.  
Int J Obes, 34(11):1566-75, 2010 11; DOI : 10.1038/ijo.2010.85  
WEB >> <http://www.nature.com/ijo/journal/v34/n11/abs/ijo201085a.html>

---

Proteasomal degradation of retinoid X receptor alpha reprograms transcriptional activity of PPARgamma in obese mice and humans.  
Lefebvre B, Benomar Y, Guédin A, Langlois A, Hennuyer N, Dumont J, Bouchaert E, Dacquet C, Pénicaud L, Casteilla L, Pattou F, Ktorza A, Staels B, Lefebvre P  
J. Clin Invest., 120(5):1454-68, 2010 05 03; DOI : 10.1172/JCI38606  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/20364085>

---

CB1 Antagonism Exerts Specific Molecular Effects on Visceral and Subcutaneous Fat and Reverses Liver Steatosis in Diet-Induced Obese Mice  
Tony Jourdan, Louiza Djaouti, Laurent Demizieux, Joseph Gresti, Bruno Vergès, Pascal Degraec  
Diabetes, 59(4): 926–934, 2010 04; DOI : 10.2337/db09-1482  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2844840/?tool=pmcentrez>

---

LXR and ABCA1 control cholesterol homeostasis in the proximal mouse epididymis in a cell-specific manner  
Aurélia Ouvrier, Rémi Cadet, Patrick Vernet, Brigitte Laillet, Jean-Michel Chardigny, Jean-Marc A. Lobaccaro, Joël R. Drevet, Fabrice Saez  
J. of Lipid Research, 50(9): 1766–1775, 2009 09; DOI : 10.1194/jlr.M800657-JLR200  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2724773/?tool=pmcentrez>

---

Kallikrein protects against microalbuminuria in experimental type I diabetes  
Sophie Bodin , Catherine Chollet , Nicolas Goncalves-Mendes , Joelle Gardes , Franck Pean , Didier Heudes , Patrick Bruneval , Michel Marre , Fran[ccedil]ois Alhenc-Gelas & Nadine Bouby  
Kidney International, 76, 395–403 , 2009 08 01

---

Early postnatal overfeeding induces early chronic renal dysfunction in adult male rats  
Farid Boubred, Laurent Daniel, Christophe Buffat, Jean-Marc Feuerstein, Michel Tsimaratos, Charles Oliver, Françoise Dignat-George, Martine Lelièvre-Pégorier, Umberto Simeoni  
American Journal of Physiology, Vol. 297 no. 4, 2009 07 31; DOI : 10.1152/ajprenal.90704.2008

---

The timing of "catch-up growth" affects metabolism and appetite regulation in male rats born with intra-uterine growth restriction.  
Béregère Coupé, Isabelle Grit, Dominique Darmaun, and Patricia Parnet  
Am. J. Physiology, 00201.2009 , 2009 07 15  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/19605764?dopt=Abstract>

---



## Diabetes\_Obesity\_Metabolic syndrome

Deficiency of angiotensin type 2 receptor rescues obesity but not hypertension induced by overexpression of angiotensinogen in adipose tissue.

Yvan-Charvet L, Massiéra F, Lamandé N, Ailhaud G, Teboul M, Moustaid-Moussa N, Gasc JM, Quignard-Boulangé A.  
Endocrinology, 150(3):1421-8, 2009 03

WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/18948399?dopt=Abstract>

---

Capillary endothelial but not lymphatic function is restored under rosiglitazone in Zucker Diabetic Fatty rats

Emmanuel Cosson, Francine Cohen-Boulakia, Karima Tarhzaoui, Hubert Dabiré, Gérard Léger, Nathalie Charmaux, Roger Lestrade, Abraham Behar and Paul Valensi  
Microvascular Research, Volume 77, Issue 2, Pages 220-225, 2009 03

WEB >> [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6WN8-4V2NP7F-1&\\_user=10&\\_coverDate=03%2F31%2F2009&\\_rdoc=1&\\_fmt=high&\\_orig=search&\\_sort=d&\\_docanchor=&view=c&\\_searchStrId=1257692956&\\_rerunOrigin=scholar.google&\\_a](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WN8-4V2NP7F-1&_user=10&_coverDate=03%2F31%2F2009&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&view=c&_searchStrId=1257692956&_rerunOrigin=scholar.google&_a)

cct=C000050221&\_version=1&\_urlVersion=0&\_userid=10&md5=9616d05caadb7e40141098cfe22942b4

---

5-HT(1A) activation counteracts cardiovascular but not hypophagic effects of sibutramine in rats.

Thomas GH, Babbs AJ, Chatfield RE, Krülle TM, Widdowson PS, Provost D, McCormack JG.

Obesity, 17(3):467-73, 2009 03; DOI : 10.1038/oby.2008.550

WEB >> <http://onlinelibrary.wiley.com/doi/10.1038/oby.2008.550/full>

---

Cardiac aldosterone overexpression prevents harmful effects of diabetes in the mouse heart by preserving capillary density

Smail Messaoudi, Paul Milliez, Jane-Lise Samuel, and Claude Delcayre

FASEB J., 23:2176-2185, 2009

WEB >> <http://www.fasebj.org/cgi/content/abstract/23/7/2176>

---

High-fat feeding alters the clock synchronization to light

Jorge Mendoza, Paul Pévet, and Etienne Challet

J Physiol, 586(Pt 24): 5901-5910, 2008 12 15; DOI : 10.1113/jphysiol.2008.159566

WEB >> <http://jp.physoc.org/content/586/24/5901.abstract?sid=aa722627-3dd8-40ab-adc0-7d3aec206657>

---

Visceral fat and total body fat mass correlate differently with hormones in rat

E. Ebal, H. Cavalie, O. Michaux and G. Lac

Pathologie Biologie, Volume 56, Issue 5, Pages 283-285, 2008 07

WEB >> [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6W8H-4RH8SD4-](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6W8H-4RH8SD4-)

---

Partial leptin deficiency favors diet-induced obesity and related metabolic disorders in mice

Karima Begriche, Philippe Lettéron, Adje Abbey-Toby, Nathalie Vadrot, Marie-Anne Robin, André Bado, Dominique Pessayre, and Bernard Fromenty

Am. J. Physiology, 294: E939-E951, 2008 03 18

WEB >> <http://ajpendo.physiology.org/cgi/content/abstract/00379.2007v1>

---

β-Aminoisobutyric Acid Prevents Diet-induced Obesity in Mice With Partial Leptin Deficiency

Karima Begriche, Julie Massart, Adje Abbey-Toby, Anissa Igoudjil, Philippe Lettéron and Bernard Fromenty

Obesity, 16 9, 2053-2067, 2008; DOI : 10.1038/oby.2008.337

WEB >> <http://www.nature.com/oby/journal/v16/n9/full/oby2008337a.html>

---

Compromised Intestinal Lipid Absorption in Mice with a Liver-Specific Deficiency of Liver Receptor Homolog 1

Chikage Matak, Benjamin C. Magnier, Sander M. Houten, Jean-Sébastien Annicotte, Carmen Argmann, Charles Thomas, Henk Overmars, Wim Kulik, Daniel Metzger, Johan Auwerx, and Kristina Schoonjans

Mol Cell Biol., 27(23): 8330-8339, 2007 12

WEB >> <http://mcb.asm.org/cgi/content/abstract/27/23/8330>

---

Increasing the fat-to-carbohydrate ratio in a high-fat diet prevents the development of obesity but not a prediabetic state in rats.

Sinitskaya N1, Gourmelen S, Schuster-Klein C, Guardiola-Lemaitre B, Pévet P, Challet E.

Clin Sci (Lond), 113(10):417-25, 2007 11; DOI : 10.1042/CS20070182

WEB >> <http://www.clinsci.org/content/113/10/417.full-text.pdf>

---

Plant extracts rich in polyphenols (PERP) are efficient antioxidants to prevent lipoperoxidation in plasma lipids from animals fed n-3 PUFA supplemented diets

C. Gladinea, C. Morandb, E. Rockb, D. Baucharta, D. Duranda

Animal Feed Science and Technology, Vol. 136, Issue 3, Pages 281-296, 2007 08 01; DOI : 10.1016/j.anifeedsci.2006.09.003

WEB >> [http://www.animalfeedscience.com/article/S0377-8401\(06\)00350-6/abstract](http://www.animalfeedscience.com/article/S0377-8401(06)00350-6/abstract)

---

Intense Sweetness Surpasses Cocaine Reward

Magalie Lenoir, Fuschia Serre, Lauriane Cantin, and Serge H. Ahmed

PLoS One, 2(8): e698, 2007 08

WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1931610/>

---

Long-term consequences of maternal high-fat feeding on hypothalamic leptin sensitivity and diet-induced obesity in the offspring

Jacqueline Férézou-Viala, Anne-France Roy, Colette Sérrougne, Daniel Gripois, Michel Parquet, Virginie Bailleux, Arie Gertler, Bernadette Delplanque, Jean Djiane, Michel Riottot, and Mohammed Taouis

Am. J. Physiology, 293: R1056-R1062, 2007 06 06

---

C3H/HeJ mice carrying a toll-like receptor 4 mutation are protected against the development of insulin resistance in white adipose tissue in response to a high-fat diet

M. Poggi, D. Bastelica, P. Gual, M. A. Iglesias, T. Gremeaux, C. Knauf, F. Peiretti, M. Verdier, I. Juhan-Vague, J. F. Tanti, R. Burcelin and M. C. Alessi

Diabetologia, DOI 10.1007/s00125-007-0654-8, 2007 04 11

WEB >> <http://www.springerlink.com/content/u64w458910553761/>

---

Site-Specific Reduction of Oxidative and Lipid Metabolism in Adipose Tissue of 3'-Azido-3'-Deoxythymidine-Treated Rats

Catherine Deveaud, Bertrand Beauvoit, Annabel Reynaud, and Jacques Bonnet

Antimicrob Agents Chemother, 51(2): 583-590, 2007 02

WEB >> <http://aac.highwire.org/cgi/content/abstract/51/2/583>

---

Fructose-enriched diet modifies antioxidant status and lipid metabolism in spontaneously hypertensive rats

Aur lie Girard, Sihem Madani, Farida Boukourt, Mustapha Cherkaoui-Malki, Jacques Belleville, Josiane Prost

Nutrition, Volume 22, Issue 7, Pages 758-766, 2006 07; DOI : 10.1016/j.nut.2006.05.006

WEB >> [http://www.nutritionjrn.com/article/S0899-9007\(06\)00226-7/abstract](http://www.nutritionjrn.com/article/S0899-9007(06)00226-7/abstract)

---

Induction of adiponectin in skeletal muscle of type 2 diabetic mice: in vivo and in vitro studies

A. M. Delaigle, M. Senou, Y. Guiot, M. -C. Many and S. M. Brichard

Diabetologia, Volume 49, Number 6, 1311-1323, 2006 06

WEB >> <http://www.springerlink.com/content/q166375pw677601n/>

---

Changes in lipid metabolism and antioxidant defense status in spontaneously hypertensive rats and Wistar rats fed a diet enriched with fructose and saturated fatty acids

Aur lie Girard, Sihem Madani, Es Saddik El Boustani, Jacques Belleville, Josiane Prost

Nutrition, Volume 21, Issue 2, Pages 240-248, 2005 02; DOI : 10.1016/j.nut.2004.04.022

WEB >> [http://www.nutritionjrn.com/article/S0899-9007\(04\)00245-X/abstract](http://www.nutritionjrn.com/article/S0899-9007(04)00245-X/abstract)

---

Involvement of endogenous glucagon-like peptide-1(7-36) amide on glycaemia-lowering effect of oligofructose in streptozotocin-treated rats

Patrice D Cani, Catherine A Daubioul, Brigitte Reusens, Claude Remacle, Gr gory Catillon and Nathalie M Delzenne

J. of Endocrinology, 185, 457-465, 2005

WEB >> <http://joe.endocrinology-journals.org/cgi/content/abstract/185/3/457>

---

Feeding response to a potent prolactin-releasing peptide agonist in lean and obese Zucker rats

Bernard Becka, Jean-Pierre Maxa, S bastien Richya and Alain Stricker-Krongrad

Brain Research, Volume 1016, Issue 1, 2004 07 30

WEB >> [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6SYR-4CMJG28-2&\\_user=10&\\_coverDate=07%2F30%2F2004&\\_rdoc=1&\\_fmt=high&\\_orig=search&\\_sort=d&\\_docanchor=&view=c&\\_searchStrId=1268932287&\\_rerunOrigin=scholar.google&\\_acct=C000050221&\\_version=1&\\_urlVersion=0&\\_userid=10&md5=74e53b05851562cc9dfa6f078305973e](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6SYR-4CMJG28-2&_user=10&_coverDate=07%2F30%2F2004&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&view=c&_searchStrId=1268932287&_rerunOrigin=scholar.google&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=74e53b05851562cc9dfa6f078305973e)

---

Effects of zidovudine, stavudine and  $\beta$ -aminoisobutyric acid on lipid homeostasis in mice: possible role in human fat wasting

Caroline Maisonneuve, Anissa Igoudjil, Karima Begriche, Philippe Lett ron, Marie-Christine Guimont, Jean Bastin, Jean-Pierre Laigneau, Dominique Pessayre and Bernard Fromenty

Antiviral Therapy, 9:801-810, 2004 06 17

---

Increased level of glycoxidation product N-(carboxymethyl)lysine in rat serum and urine proteins with aging: Link with glycoxidative damage accumulation in kidney

Maud Hamelin, Caroline Borot-Laloi, Bertrand Friguet and Hilaire Bakala

Archives of Biochemistry and Biophysics, Volume 411, Issue 2, Pages 215-222, 2003 03 15

WEB >> [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6WB5-47VH22H-G&\\_user=10&\\_coverDate=03%2F15%2F2003&\\_rdoc=1&\\_fmt=high&\\_orig=search&\\_sort=d&\\_docanchor=&view=c&\\_searchStrId=1253510403&\\_rerunOrigin=scholar.google&\\_acct=C000050221&\\_version=1&\\_urlVersion=0&\\_userid=10&md5=74e53b05851562cc9dfa6f078305973e](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WB5-47VH22H-G&_user=10&_coverDate=03%2F15%2F2003&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&view=c&_searchStrId=1253510403&_rerunOrigin=scholar.google&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=74e53b05851562cc9dfa6f078305973e)

---

A CLA mixture prevents body triglyceride accumulation without affecting energy expenditure in Syrian hamsters

Bouthevoud JC, Even PC, Gripois D, Tiffon B, Blouquit MF, Roseau S, Lutton C, Tom  D, Martin JC.

J. of Nutrition, 132(9):2682-9, 2002 09

WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/12221229?dopt=Abstract>

---

Dietary Fructans, but Not Cellulose, Decrease Triglyceride Accumulation in the Liver of Obese Zucker fa/fa Rats

Catherine Daubioul, Nicolas Rousseau, Roger Demeure, Bernard Gallez, Henryk Taper, Barbara Declerck and Nathalie Delzenne

J. of Nutrition, 132: 967-973, 2002

WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/11983823?dopt=Abstract>

---

Angiotensinogen-Deficient Mice Exhibit Impairment of Diet-Induced Weight Gain with Alteration in Adipose Tissue Development and Increased Locomotor Activity

Florence Massiera, Josiane Seydoux, Alain Geloen, Annie Quignard-Boulangue, Sophie Turban, Perla Saint-Marc, Akiyoshi Fukamizu, Raymond Negrel, G rard Ailhaud and Mich le Teboul

Endocrinology, Vol. 142, No. 12 5220-5225, 2001 08 20

---

Fish Oil Supplementation Prevents Diabetes-Induced Nerve Conduction Velocity and Neuroanatomical Changes in Rats

Alain Gerbi, Jean-Michel Maixent, Jean-Luc Ansaldo, Michele Pierlovizi, Thierry Coste, Jean-Francois Pelissier, Philippe Vague, and Denis Raccah

J. of Nutrition, Vol. 129 No. pp. 207-213, 1999 01 01

WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/9915901?dopt=Abstract>

---

Effect of cholesterol-rich diet on the susceptibility of rodent malarial parasites to chloroquine chemotherapy

H. Ginsburg, I. Landau and D. Baccam

Life Sciences, Volume 42, Issue 1, Pages 7-10, 1998

WEB >> [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6T99-475SM1B-](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T99-475SM1B-)

---

Fixed-dose combination of perindopril with indapamide in spontaneously hypertensive rats: haemodynamic, biological and structural effects

Richard, Vincent; Joannides, Robins; Henry, Jean-Paul; Mulder, Paul; Mace, Bertrand; Guez, David; Schiavi, Pierre; Thuillez, Christian

J. of Hypertension, Volume 14 - Issue 12 pp 1447-1454, 1996 12

WEB >> [http://journals.lww.com/jhypertension/Abstract/1996/12000/Fixed\\_dose\\_combination\\_of\\_perindopril\\_with\\_10.aspx](http://journals.lww.com/jhypertension/Abstract/1996/12000/Fixed_dose_combination_of_perindopril_with_10.aspx)

---

## Diabetes\_Obesity\_Metabolic syndrome

Steroid saponins from fenugreek seeds: Extraction, purification, and pharmacological investigation on feeding behavior and plasma cholesterol  
Pierre R. Petit, Yves D. Sauvaire, Dominique M. Hillaire-Buys, Olivier M. Leconte, Yves G. Baissac, Gabriel R. Ponsin and Gérard R. Ribes  
Steroids, Volume 60, Issue 10, Pages 674-680, 1995 10  
WEB >> [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6TC9-3YYV2TY-](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TC9-3YYV2TY-)

---

Effect of dietary cholesterol on activity and mRNA levels of hepatic lipase in rat  
Fabrice Sultan, Ferdaous Benhizia, Dominique Lagrange, Hans Will and Sabine Griglio  
Life Sciences, Volume 56, Issue 1, Pages 31-37, 1994 11  
WEB >> [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6T99-3YYTK74-](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T99-3YYTK74-)

---

Role of Dietary Propionic Acid and Bile Acid Excretion in the Hypocholesterolemic Effects of Oligosaccharides in Rats  
Marie-Anne Levrat, Marie-Laure Favier, Corinne Moundras, Christian Rémésy, Christian Demigné and Christine Morand  
J. of Nutrition, 124(4):531-8, 1994 04  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/8145075?dopt=Abstract>

---

Changes in fatty acid compositions of total serum and lipoprotein particles, in growing rats given protein-deficient diets with either hydrogenated coconut or salmon oils as fat sources  
Mahmoud Bouziane, Josiane Prost and Jacques Belleville  
Br J Nutr., 71 : 375-387, 1994  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=1812248>

---

Positional distribution on n-3 fatty acids in triacylglycerols from rat adipose tissue during fish oil feeding  
Claude Leray, Thierry Raclot and René Groscolas  
Lipids, Volume 28, Number 4, 279-284, 1993 04  
WEB >> <http://www.springerlink.com/content/e80u8j3589258541/>

---

Neither Dietary Fructose, Dextrose nor Starch Modifies In Vitro Glycerol Release by Adipocytes from Streptozotocin-Diabetic Rats  
Jing Luo, Salwa W. Rizkalla, Catherine Alamowitch, Josette Boillot, Françoise Bruzzo, Annie Chevalier and Gerard Slama  
J. of Nutrition, 122(12):2361-6, 1992 12  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/1453220?dopt=Abstract>

---

Normolipidaemic Activity of Liposomal-Encapsulated Superoxide Dismutase in Rats  
A. Vaïlle and G. Jadot  
Free Radical Research, Vol. 11, No. 4-5, Pages 241-250, 1990 12  
WEB >> <http://informahealthcare.com/doi/abs/10.3109/10715769009088921>

---

Ocular complications in the old and glucose-intolerant genetically obese (fa/fa) rat  
A. Dosso, E. Rungger-Brändle, F. Rohner-Jeanrenaud, E. Ionescu, C. Guillaume-Gentil, B. Jeanrenaud and P. M. Leuenberger  
Diabetologia, Volume 33, Number 3, 137-144, 1990 03  
WEB >> <http://www.springerlink.com/content/x17014161h316gqj/>

---

The effect of high-fibre diet on plasma lipoproteins and hormones in genetically obese Zucker rats  
A. Mazur, C. Remesy, C. Demigne  
European J. of Clinical Investigation, Volume 20 Issue 6, Pages 600 - 606, 1990 02 23  
WEB >> <http://www3.interscience.wiley.com/journal/119367200/abstract>

---

Effect of Dietary Salmon Oil Feeding on Rat Heart Lipid Status  
Gilles Nalbone, Elise Termine, Jeannie Léonardi, Henri Portugal, Paulette Lechêne, Raymond Calaf, Raymond Lafont and Huguette Lafont  
J. of Nutrition, 118(7):809-17., 1988 07  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/3392592?dopt=Abstract>

---

Influence of chronic ethanol intake on obesity, liver steatosis and hyperlipidaemia in the Zucker fa/fa rat  
C. Karsenty, F. Chanussot, M. Ulmer and G. Debray  
Br J Nutr., vol. 54, no1, pp. 5-13, 1985  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=855564>

---

Kinetics of absorption, equilibration (or distribution), and excretion of orally and intraperitoneally administered cholesterol in the rat  
A. Adam, J. Van Cantfort and J. Gielen  
Lipids, Volume 11, Number 8, 610-615, 1976 08  
WEB >> <http://www.springerlink.com/content/4h8u21vq25975861/>

---

Hypothalamic eIF2a Signaling Regulates Food Intake

CellPress, ,  
WEB >> <http://www.cell.com/cms/attachment/2020603890/2040306671/mmc2.pdf>

---