

## Custom and purified diets

Epigenetic regulation of Neuregulin 1 promotes breast cancer progression associated to hyperglycemia

Changhu Lee, Min Kim, Chanho Park, Woobeen Jo, Jeong Kon Seo, Sahee Kim, Jiyoung Oh, Chu-Sook Kim, Han Suk Ryu, Kyung-Hun Lee, Jiyoung Park  
Pub Med, , 2023 01 27; DOI : <https://doi.org/10.1038/s41467-023-36179-8>  
WEB >> <https://www.nature.com/articles/s41467-023-36179-8#citeas>

---

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

Mustafa Bilal Bayazit , Cécile Jacovetti 1 , Cristina Cosentino 1 , Jonathan Sobel 1 , Kejing Wu 1 , Flora Brozzi 1 , Adriana Rodriguez-Trejo 1 , Lisa Stoll 1 , Claudiane Guay 1 , Romano Regazzi  
Pub Med, , 2022 07 12; DOI : <https://doi.org/10.1016/j.celrep.2022.111069>

---

Disruption of Pituitary Gonadotrope Activity in Male Rats After Short- or Long-Term High-Fat Diets Is Not Associated With Pituitary Inflammation

Ghislaine Garrel, Claude Rouch, David L'Hôte, Salma Tazi, Nadim Kassis, Frank Giton, Julien Dairou, Pascal Dournaud, Pierre Gressens, Christophe Magnan, Céline Cruciani-Guglielmacci and Joëlle Cohen-Tannoudji  
Frontiers in Endocrinology, , 2022 04 13; DOI : <https://doi.org/10.3389/fendo.2022.877999>

---

Mesenchymal Stem Cells and PRP Therapy Favorize Leak Closure After Sleeve Gastrectomy in Zucker Rats

Marine Benois & Radwan Kassir, Enora Lecorgne, Cédric Gaggioli & Imed Ben Amor, Marjorie Piche, Virginie Ben Amor, Hichem Chenaitia, Jocelyn Gal, Taycir Skhiri, Jean Gugenheim & Imed Ben Amor  
Springer Link, , 2022 02 22; DOI : <https://doi.org/10.1007/s11695-022-05945-w>

---

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

Shahrbano Keshavarz Azizi Raftar, Fatemeh Ashrafiyan, Farzam Vaziri, Arfa Moshiri & Seyed Davar Siadat, Sara Abdollahiyan & 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>

---

Supplementing Soy-Based Diet with Creatine in Rats: Implications for Cardiac Cell Signaling and Response to Doxorubicin

Laurence Kay ; Lucia Potenza ; Isabelle Hininger-Favier ; Hubert Roth ; Stéphane Attia ; Cindy Tellier ; Christian Zuppinger ; Cinzia Calcabrini ; Piero Sestili ; Theo Wallimann ; Uwe Schlattner ; Malgorzata Tokarska-Schlattner  
MDPI, Journals, Nutrients, Volume 14, Issue 3 , 2022 01 28; DOI : <https://doi.org/10.3390/nu14030583>  
WEB >> <https://www.mdpi.com/2072-6643/14/3/583/htm>

---

STING orchestrates the crosstalk between polyunsaturated fatty acid metabolism and inflammatory responses

---

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

Fatemeh Ashrafiyan, Shahrbano Keshavarz Azizi Raftar, Arezou Lari, Arefeh Shahryari, Sara Abdollahiyan, 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>

---

A knock-in rat model unravels acute and chronic renal toxicity in glutaric aciduria type I

Science Direct, Volume 134, Issue 4, December 2021, Pages 287-300, 2021 11 10; DOI : <https://doi.org/10.1016/j.ymgme.2021.10.003>  
WEB >> <https://www.sciencedirect.com/science/article/pii/S1096719221008088>

---

OCT4-mediated inflammation induces cell reprogramming at the origin of cardiac valve development and calcification

Emily J. Farrar, Emilye Hiriart, Ablajan Mahmut, Bernd Jagla, David S. Peal, David J. Milan, Jonathan T. Butcher, Michel Puceat  
Science Advances, , 2021 11 05; DOI : <https://dx.doi.org/10.1126%2Fsciadv.abf7910>  
WEB >> <https://www.science.org/doi/pdf/10.1126/sciadv.abf7910>

---

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

Amélie Bravard, Céline Gérard, Clémence Defois, Bérangère 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>

---

Peripheral Opioid Receptor Blockade Enhances Epithelial Damage in Piroxicam-Accelerated Colitis in IL-10-Deficient Mice

Xavier Mas-Orea, Morgane Sebert, Mehdi Benamar, Camille Petitfils, Catherine Blanpied, Abdelhadi Saoudi, Céline Deraison, Frederick Barreau, Nicolas Cenac, and Gilles Dietrich  
National Library of Medicine, v.22(14); 2021 Jul , 2021 07 09; DOI : 10.3390/ijms22147387  
WEB >> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8304158/>

---

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, Nathaïe 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>  
WEB >> <https://link.springer.com/article/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-Larrubia  
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>

---

The Master Regulator Protein BAZ2B Can Reprogram Human Hematopoietic Lineage-Committed Progenitors into a Multipotent State

Karthik Arumugam ; William Shin ; Valentina Schiavone ; Lukas Vlahos ; Xiaochuan Tu ; Davide Carnevali ; Jordan Kesner ; Evan O.Paull ; Neus Romo ; Prem Subramaniam ; Jeremy Worley ; Xiangtian Tan ; Andrea Califano ; Maria Pia Cosma  
Science Direct, Volume 33, Issue 10, 8 December 2020, 108474, 2020 12 08; DOI : <https://doi.org/10.1016/j.celrep.2020.108474>

---

## Custom and purified diets

Age and diet modify acute microhemorrhage outcome in the mouse brain  
Maud Pétrault ; Thavarak Ouk ; Michèle Bastide ; Régis Bordet ; Olivier Pétrault ; Vincent Bérézowski  
Science Direct, Volume 98, February 2021, Pages 99-107, 2020 10 31; DOI : <https://doi.org/10.1016/j.neurobiolaging.2020.10.005>  
WEB >> <https://www.sciencedirect.com/science/article/abs/pii/S0197458020303146#>

---

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>

---

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  
, Nutrients 2020, 12, 1438, 2020 05 16; DOI : <http://dx.doi.org/10.3390/nu12051438>

---

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>

---

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

---

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 ,

---

Hepatic stellate cell hypertrophy is associated with metabolic liver fibrosis

Scientific Reports , , 2020 03 02; DOI : 10.1038/s41598-020-60615-0  
WEB >> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7052210/>

---

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

---

Polycyclic aromatic hydrocarbons can trigger hepatocyte release of extracellular vesicles by various mechanisms of action depending on their affinity for the aryl hydrocarbon receptor  
Nettie van Meteren, Dominique Lagadic-Gossmann, Martine Chevanne, Isabelle Gallais, Dimitri Gobart, Agnès Burel, Simon Bucher, Nathalie Grova, Bernard Fromenty, Brice M R Appenzeller, Soizic Chevance, Fabienne Gauffre, Eric Le Ferrec, Odile Sergent

---

In-depth phenotyping reveals common and novel disease symptoms in a hemizygous knock-in mouse model (Mut-ko/ki) of mut-type methylmalonic aciduria

Science Direct, , 2019 11 23; DOI : <https://doi.org/10.1016/j.bbadis.2019.165622>  
WEB >> <https://www.sciencedirect.com/science/article/pii/S0925443919303503#>

---

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

---

Long-term evolution of the natural isolate of *Escherichia coli* 536 in the mouse gut colonized after maternal transmission reveals convergence in the constitutive expression of the lactose operon  
Mohamed Ghalayini, Melanie Magnan, Sara Dion, Ouassila Zatout, Lucie Bourguignon, Olivier Tenaillon, Mathilde Lescat  
Wiley Online Library, Molecular Ecology, 2019 09 04; DOI : <https://doi.org/10.1111/mec.15232>

---

Visceral adiposity links cerebrovascular dysfunction to cognitive impairment in middle-aged mice  
Olivier Pétrault, Maud Pétrault, Thavarak Ouk, Régis Bordet, Vincent Bérézowski, Michèle Bastide  
Neurobiology of Disease, Volume 130, October 2019, 104536, 2019 07 17; DOI : <https://doi.org/10.1016/j.nbd.2019.104536>  
WEB >> <https://www.sciencedirect.com/science/article/pii/S0969996119302049#>

---

Transcriptional Network Analysis Implicates Altered Hepatic Immune Function in NASH development and resolution

NCBI, , 2019 06 14; DOI : 10.1038/s42255-019-0076-1  
WEB >> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6837876/>

---

Preventive Effects of the Marine Microalga

*Phaeodactylum tricornutum*, Used as a Food

Supplement, on Risk Factors Associated with

Metabolic Syndrome in Wistar Rats

Claire Mayer, Martine Côme, Lionel Ulmann, Graziella Chini Zittelli, Cecilia Faraloni, Hassan Nazih, Khadija Ouguerram, Benoît Chénéais and Virginie Mimouni

---

Rapid and Complete Reversal of Sensory Ataxia by Gene Therapy in a Novel Model of Friedreich Ataxia

Françoise Piguet ; Charline de Montigny ; Nadège Vaucamps ; Laurence Reutenauer ; Aurélie Eisenmann ; Hélène Puccio

Molecular Therapy

, Original Article| Volume 26, ISSUE 8, P1940-1952, August 01, 2018, 2018 05 10; DOI : <https://doi.org/10.1016/j.ymthe.2018.05.006>

---

Dietary arachidonic acid increases deleterious effects of amyloid- $\beta$  oligomers on learning abilities and expression of AMPA receptors: putative role of the ACSL4-cPLA2 balance

Mélanie H. Thomas, Cédric Paris, Mylène Magnien, Julie Colin, Sandra Pelleïeux, Florence Coste, Marie-Christine Escanyé, Thierry Pillot and Jean-Luc Olivier

*Alzheimer's Research & Therapy*, 2017 08 29; DOI : <https://doi.org/10.1186/s13195-017-0295-1>

WEB >> <https://alzres.biomedcentral.com/articles/10.1186/s13195-017-0295-1>

---

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. Cherif; 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 Nascimentob, Sandrine Gaillardc, 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>

---

Central CCL2 signaling onto MCH neurons mediates metabolic and behavioral adaptation to inflammation

*EMBOpress, EMBO reports* (2016) 17, 1738–1752, 2016 10 12; DOI : DOI 10.15252/embr.201541499

WEB >> <http://embor.embopress.org/content/17/12/1738#abstract-3>

---

High-fat diet modifies the PPAR- $\gamma$  pathway leading to disruption of microbial and physiological ecosystem in murine small intestine

Tomas J, Mulet C, Saffarian A, Cavin JB, Ducroc R, Regnault B, Kun Tan C, Duszka K, Burcelin R, Wahli W, Sansonetti PJ, Pédrón T

*PubliMed*, 2016 09 16; DOI : 10.1073/pnas.1612559113

WEB >> <https://www.ncbi.nlm.nih.gov/pubmed/27638207>

---

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, Stephane 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>

---

A regulatable AAV vector mediating GDNF biological effects at clinically-approved sub-antimicrobial doxycycline doses

*Molecular Therapy — Methods & Clinical Development*, Article number: 16027 (2016), 2016 03 30; DOI : 10.1038/mtm.2016.27

WEB >> <http://www.nature.com/articles/mtm201627#affiliations>

---

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

*J. Agric. Food Chem*, 2016, 64 (8), pp 1686–1694, 2016 02 22; DOI : 10.1021/acs.jafc.5b05490

---

Aortic VCAM-1: an early marker of

vascular inflammation in collagen-induced arthritis

Anne Denys, Gaëlle Clavel, Delphine Lemeiter, Olivier Schischmanoff, Marie-Christophe Boissier, Luca Semerano

*Journal of cellular and molecular medicine*, Volume 20, Issue 5., 2016 02 20; DOI : J. Cell. Mol. Med. Vol 20, No 5, 2016 pp. 855-863

---

Effects of chronic exercise on the endocannabinoid system in Wistar rats with high-fat diet-induced obesity

François-Xavier Gamelin , Julien Aucouturier, Fabio Arturo Iannotti, Fabiana Piscitelli, Enrico Mazzarella, Teresa Aveta, Melissa Leriche, Erwan Dupont, Caroline Cieniewski-

Bernard

*J. of Physiology and Biochemistry*, 1 - 17, 2016 02 15; DOI : PMID: 26880264

WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/26880264>

---

Western diet induces a shift in microbiota composition enhancing susceptibility to Adherent-Invasive *E. coli* infection and intestinal inflammation.

Allison Agus,1 Jérémie Denizot,1 Jonathan Thévenot,1,2 Margarita Martínez-Medina,1 Sébastien Massier,1 Pierre Sauvagnet,1,3 Annick Bernalier-Donadille,4 Sylvain Denis,2

Paul Hofman,5 Richard Bonnet,1,6 Elisabeth Billard,1,7 and Nicolas Barnicha,1,7

*Scientific Reports*, 6:19032, 2016 01 08; DOI : 10.1038/srep19032

WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4705701/>

---

Risk Assessment of Deoxynivalenol by Revisiting Its Bioavailability in Pig and Rat Models to Establish Which Is More Suitable

Manuel Jimmy Saint-Cyr, Agnès Perrin-Guyomard, Jacqueline Manceau, Paméla Houée, Jean-Michel Delmas, Jean-Guy Rolland and Michel Laurentie

*MDPI, Toxins* 2015, 7(12), 5167-5181, 2015 12 01; DOI : 10.3390/toxins7124873

WEB >> <http://www.mdpi.com/2072-6651/7/12/4873/htm>

---

## Custom and purified diets

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

---

Pomegranate Peel Extract Prevents Bone Loss in a Preclinical Model of Osteoporosis and Stimulates Osteoblastic Differentiation in Vitro

Mélanie Spilmont, Laurent Léotoing, Marie-Jeanne Davicco, Patrice Lebecque, Elisabeth Miot-Noirault, Paul Pilet, Laurent Rios, Yohann Wittrant and Véronique Coxam  
MDPI, Nutrients 2015, 7(11), 9265-9284, 2015 11 11 ; DOI : 10.3390/nu7115465  
WEB >> <http://www.mdpi.com/2072-6643/7/11/5465/htm>

---

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  
WEB >> <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0139946>

---

Diet-induced obesity causes metabolic impairment independent of alterations in gut barrier integrity

Caroline Kless, Veronika Maria Müller, Valentina Luise Schüppe, Martina Lichtenegger, Michael Rychlik Hannelore Daniel Martin Klingenspor and Dirk Haller  
Molecular Nutrition & Food Research, Volume 59, Issue 5, pages 968–978, 2015 05; DOI : 10.1002/mnfr.201400840  
WEB >>

---

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>

---

Acute induction of uncoupling protein 1 by citrulline in cultured explants of white adipose tissue from lean and high-fat-diet-fed rats

Nolwenn Joffinab, Anne-Marie Jaubertbc, Jessica Bambaab, Robert Baroukiab, Philippe Noirezade & Claude Forestab  
Tandfonline, Volume 4, Issue 2, pages 129-134, 2015 01 07; DOI : 10.4161/21623945.2014.989748  
WEB >> <http://www.tandfonline.com/doi/ref/10.4161/21623945.2014.989748#.VS-6CGccQpo>

---

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 Troadeca, 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>

---

The second transferrin receptor regulates red blood cell production in mice

Antonella Nai, Maria Rosa Lidonnicci, Marco Rausa, Giacomo Mandelli, Alessia Pagani, 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>

---

Prewearing modulation of intestinal microbiota by oligosaccharides or amoxicillin can contribute to programming of adult microbiota in rats

Fanny B. Morel, PhD, Raish Oozeer, PhD, Hugues Piloquet, MD, Thomas Moyon, MSc, Anthony Pagniez, BSc, Jan Knol, PhD, Dominique Darmaun, MD, PhD, Catherine Michel, PhD  
Nutrition, Volume 31, Issue 3, Pages 515–522, 2014 10 16; DOI : 10.1016/j.nut.2014.09.011

---

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 Tabarin  
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>

---

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>

---

Pasture v. standard dairy cream in high-fat diet-fed mice: improved metabolic outcomes and stronger intestinal barrier

Berengere Benoit, Pascale Plaisancie, Alain Geloën, Monique Estienne, Cyrille Debard, Emmanuelle Meugnier, Emmanuelle Loizon, Patricia Daira, Jacques Bodenec, Olivier Cousin, Hubert Vidal, Fabienne Laugerette and Marie-Caroline Michalski  
Br J Nutr., 112(4):520-35, 2014 08 28; DOI : 10.1017/S0007114514001172

---

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>

---

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 Sauvant, 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>

---

Periaortic Brown Adipose Tissue as a Major Determinant of [18F]-Fluorodeoxyglucose Vascular Uptake in Atherosclerosis-Prone, ApoE<sup>-/-</sup> Mice

Jakub Toczek , Alexis Broisat, Pascale Perret, Marie-Dominique Desruet, Daniel Fagret, Laurent M. Riou, Catherine Ghezzi  
PLoS One, Volume 9 | Issue 7 | e99441, 2014 07 23; DOI : 10.1371/journal.pone.0099441  
WEB >> <http://www.plosone.org/article/authors/info%3Adoi%2F10.1371%2Fjournal.pone.0099441>

---

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, Aleth 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 Carpené  
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>

---

NMR Spectroscopy of Native and in Vitro Tissues Implicates PolyADP Ribose in Biomineralization

W. Ying Chow, Rakesh Rajan, Karin H. Muller, David G. Reid, Jeremy N. Skepper,  
Wai Ching Wong, Roger A. Brooks, Maggie Green, Dominique Bihan,  
Richard W. Farndale, David A. Slatter, Catherine M. Shanahan, Melinda J. Duer\*

---

Chemokine-Like Receptor 1 Deficiency Does Not Affect the Development of Insulin Resistance and Nonalcoholic Fatty Liver Disease in Mice

Nanda Gruben, Marcela Aparicio Vergara, Niels J. Kloosterhuis, Henk van der Molen, Stefan Stoelwinder, Sameh Youssef, Alain de Bruin, Dianne J. Delsing, Jan Albert Kuivenhoven, Bart van de Sluis, Marten H. Hofker equal contributor, Debby P. Y. Koonen  
PLoS One, , 2014 04 29; DOI : 10.1371/journal.pone.0096345

---

Chemokine-Like Receptor 1 Deficiency Does Not Affect the Development of Insulin Resistance and Nonalcoholic Fatty Liver Disease in Mice

Nanda Gruben ; Marcela Aparicio-Vergara ; Niels J Kloosterhuis ; Henk van der Molen ; Stefan Stoelwinder ; Alain de Bruin ; Dianne J Delsing ; Jan Albert Kuivenhoven ; Bart van de Sluis ; Marten H Hofker ; Debby P Y Koonen ; Sameh Youssef  
PubMed, , 2014 04 29; DOI : 10.1371/journal.pone.0096345

WEB >> [http://www.researchgate.net/publication/261997941\\_Chemokine-](http://www.researchgate.net/publication/261997941_Chemokine-)

---

O-GlcNAcylation stabilizes  $\beta$ -catenin through direct competition with phosphorylation at threonine 41

Stéphanie Olivier-Van Stichelen, Vanessa Dehennaut, Armelle Buzy, Jean-Luc Zachayus, Céline Guinez, Anne-Marie Mir, Ikram El Yazidi-Belkoura, Marie-Christine Copin, Didier Boureme, Denis Loyaux, Pascual Ferrara and Tony Lefebvre  
The FASEB Journal, vol. 28 no. 8 3325-3338 , 2014 04 07; DOI : 10.1096/fj.13-243535

---

GlcNAcylation stabilizes  $\beta$ -catenin through direct competition with phosphorylation at threonine 41

Stéphanie Olivier-Van Stichelen, Vanessa Dehennaut, Armelle Buzy, Jean-Luc Zachayus, Céline Guinez, Anne-Marie Mir, Ikram El Yazidi-Belkoura, Marie-Christine Copin, Didier Boureme, Denis Loyaux, Pascual Ferrara and Tony Lefebvre  
FASEB J., 28(8):3325-38, 2014 04 07; DOI : 10.1096/fj.13-243535

WEB >> <http://www.fasebj.org/content/early/2014/04/17/fj.13-243535.abstract>

---

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>

---

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, Roussel 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>

---

Visceral adipose tissue and leptin increase colonic epithelial tight junction permeability via a RhoA-ROCK-dependent pathway

Gwenola Le Dréan, Vianney Haure-Mirande, Laurent Ferrier, Christian Bonnet, Philippe Hulin, Pierre de Coppet and Jean-Pierre Segain  
FASEB J., vol. 28 1059-1070, 2014 03; DOI : 10.1096/fj.13-234203  
WEB >> <http://www.fasebj.org/content/early/2013/11/14/fj.13-234203.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  
WEB >> <http://ajpendo.physiology.org/content/306/6/E668>

---

## Custom and purified diets

Non-Invasive Optical Imaging of Eosinophilia during the Course of an Experimental Allergic Airways Disease Model and in Response to Therapy  
M. Andrea Markus, Christian Dullin, Miso Mitkovski, Eva Prieschl-Grassauer, Michelle M. Epstein, Frauke Alves  
PLoS One, , 2014 02 25  
WEB >> <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0090017>

---

Western diet induces dysbiosis with increased E coli in CEABAC10 mice, alters host barrier function favouring AIEC colonisation  
Margarita Martinez-Medina1,2,3, Jérémy Denizot1,2, Nicolas Dreux1,2, Frédéric Robin1,2,4, Elisabeth Billard1,2,5, Richard Bonnet1,2,4, Arlette Darfeuille-Michaud1,2,4,5, Nicolas Barnich1,2,5  
Gut microbiota, 63:116-124, 2014 01; DOI : 10.1136/gutjnl-2012-304119  
WEB >> <http://gut.bmj.com/content/63/1/116.abstract>

---

Bile acids alter male fertility through TGR5 signaling pathways  
Marine Baptissart, Aurélie Vega, Emmanuelle Martinot, Aurélien J. Pommier, Sander M. Houten, Geoffroy Marceau, Angélique de Haze, Silvère Baron, Kristina Schoonjans, Jean-Marc A.Lobaccaro, David H. Volle  
Hepatology, , 2014

---

A genome-wide scan for signatures of differential artificial selection in ten cattle breeds  
Sophie Rothammer1, Doris Seichter2, Martin Förster1 and Ivica Medugorac1\*  
BMC Genomics, , 2013 12 21; DOI : 10.1186/1471-2164-14-908  
WEB >> <http://www.biomedcentral.com/1471-2164/14/908/>  
Proteomic demonstration of the recurrent presence of inter-alpha-inhibitor H4 heavy-chain during aspergillosis induced in an animal model  
Guillaume Desoubreaux, Marie-Lise Jourdan, Lionel Valera, Bénédicte Jardin, Sonia Hem, Agnès Caille, Bénédicte Cormier, Sylvain Marchand-Adam, Éric Bailly, Patrice Diot, Jacques Chandenier  
International Journal of Medical Microbiology, IJMM-50778; No. of Pages 12, 2013 11 25

---

$\beta$  Oscillation during Slow Wave Sleep and Rapid Eye Movement Sleep in the Electroencephalogram of a Transgenic Mouse Model of Huntington's Disease  
Yannick Jeantet, Sébastien Cayzac, Yoon H. Cho  
PLoS One, , 2013 11 14; DOI : 10.1371/journal.pone.0079509  
WEB >> <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0079509>

---

Short-Term Intratumoral Interleukin-12 Expressed from an Alphaviral Vector Is Sufficient to Induce an Efficient Antitumoral Response Against Spontaneous Hepatocellular Carcinomas  
Rodríguez-Madoz Juan R., Zabala Maider, Alfaro Maite, Prieto Jesus, Kramer M. Gabriela, and Smerdou Cristian.  
LiebertPub, Volume: 25 Issue 2, 2013 11 12

---

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>

---

Properties of myenteric neurones and mucosal functions in the distal colon of diet-induced obese mice.  
Reichardt F, Baudry C, Gruber L, Mazzuoli G, Moriez R, Scherling C, Kollmann P, Daniel H, Kiesling S, Haller D, Neunlist M, Schemann M.  
J Physiol, 591(Pt 20):5125-39, 2013 10 15; DOI : 10.1113/jphysiol.2013.262733  
WEB >> <http://jp.physoc.org/content/591/20/5125.short>

---

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 Belluomo ;Adeline Duchamp ;Samantha Clark; Agnes Aubert; Marco Mezzullo; Flaminia Fanelli; Uberto Pagotto  
PLoS One, , 2013 09 25; DOI : 10.1371/journal.pone.0074705.s001  
WEB >> <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0074705>

---

Inhibition of the HER2 pathway by n-3 polyunsaturated fatty acids prevents breast cancer in fat-1 transgenic mice  
Zuquan ZOU, Sandrine BELLENGER, Karen A. MASSEY, Anna NICOLAOU, Audrey GEISSLER, Celia BIDU, Bernard BONNOTTE, Anne-Sophie PIERRE, Melaine MINVILLE-WALZ, Mickael RIALLAND, John SEUBERT, Jing X. KANG, Laurent LAGROST, Michel NARCE and Jérôme BELLENGER  
Journal of Lipid Research, , 2013 09 19; DOI : 10.1194/jlr.M042754

---

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 Belluomo, 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.  
Francois 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  
WEB >> <http://jp.physoc.org/content/early/2013/08/08/jphysiol.2013.262733.abstract>

---

Photoperiod Can Entrain Circannual Rhythms in Pinealectomized European Hamsters  
Stefanie Monecke ; Dominique Sage-Ciocca ; Franziska Wollnik ; Paul Pévet  
Journal of Biological Rhythms, vol. 28 no. 4 278-290 , 2013 08; DOI : 10.1177/0748730413498561  
WEB >> <http://jbr.sagepub.com/content/28/4/278.short>

---

A Strong Anti-Inflammatory Signature Revealed by Liver Transcription Profiling of Tmprss6<sup>-/-</sup> Mice  
Michela Riba; Marco Rausa; Melissa Sorosina; Davide Cittaro ; Jose Manuel Garcia Manteiga, Antonella Nai ; Alessia Pagani, Filippo Martinelli-Boneschi, Elia Stupka, Clara Camaschella, Laura Silvestri  
PLoS One, , 2013 07 29; DOI : 10.1371/journal.pone.0069694

---

## Custom and purified diets

Glycogen Phosphorylase Inhibitor N-(3,5-Dimethyl-Benzoyl)-N'-( $\beta$ -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 ER $\alpha$  activation function-2 (ER $\alpha$ AF-2), whereas ER $\alpha$ AF-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>

---

A Mouse Model for Candida glabrata Hematogenous Disseminated Infection Starting from the Gut: Evaluation of Strains with Different Adhesion Properties  
Raiitsa Atanasova ; Adela Angoulvant, Maurel Tefit ; Frédéric Gay ; Juliette Guitard ; Dominique Mazier ; Cécile Fairhead ; Christophe Hennequin  
PLoS One, , 2013 07 23; DOI : 10.1371/journal.pone.0069664  
WEB >> <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0069664>

---

### 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>

---

High-fat diet action on adiposity, inflammation, and insulin sensitivity depends on the control low-fat diet  
Bérengrère Benoit a, Pascale Plaisancié, Manar Awadab, Alain Géoën, Monique Estienne, Frédéric Capel, Corinne Malpuech-Brugère, Cyrille Debardd, Sandra Pesenti, Béatrice Morioe, Hubert Vidal, Jennifer Rieusset, Marie-Caroline Michalski

---

Early leptin blockade predisposes fat-fed rats to overweight and modifies hypothalamic microRNAs  
Benoit C, Ould-Hamouda H, Crepin D, Gertler A, Amar L, Taouis M.  
J. of Endocrinology, 218(1):35-47, 2013 06 1; DOI : 10.1530/JOE-12-0561  
WEB >> <http://joe.endocrinology-journals.org/content/218/1/35.short>

---

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>

---

Perinatal and postweaning exposure to galactooligosaccharides/inulin prebiotics induced biomarkers linked to tolerance mechanism in a mouse model of strong allergic sensitization  
Gourbeyre, P., Desbuard, N., Grémy, G., Tranquet, O., Champ, M., Denery-Papini, S., & Bodinier, M.  
Journal of agricultural and food chemistry, 61(26), 6311-6320, 2013 06; DOI : 10.1021/jf305315g  
WEB >> <http://pubs.acs.org/doi/abs/10.1021/jf305315g>

---

Optimization of trans-Resveratrol bioavailability for human therapy  
Marie Josephe Amiot, Beatrice Romier, Thi-Mai Anh Dao, Raphaelle Fanciullino, Joseph Ciccolini, Remy Burcelin, Laurent Pechere, Claude Emond, Jean-François Savouret, Eric Seree  
Biochimie, Volume 95, Issue 6, Pages 1233-1238, 2013 06; DOI : 10.1016/j.biochi.2013.01.008

---

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>

---

The hypothalamic POMC mRNA expression is upregulated in prenatally undernourished male rat offspring under high-fat diet  
Marie-Amélie Lukaszewski, Laura Butruille, Emmanuelle Moitrot, Valérie Montel, Anne Dickes-Coopman, Jean Lesage, Christine Laborie, Didier Vieau, Christophe Breton  
Peptides, Volume 43, Pages 146–154, 2013 05; DOI : 10.1016/j.peptides.2013.03.013  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0196978113000880>

---

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>

---

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>

---

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

---

Digestibility of extruded proteins and metabolic transit of N  $\epsilon$ -carboxymethyllysine in rats  
Issam Alamir, Céline Niquet-Leridon, Philippe Jacolot, Camille Rodriguez, Martine Orosco, Pauline M. Anton, Frédéric J. Tessier  
Amino Acids, Volume 44, Issue 6, pp 1441-1449, 2012 11 16; DOI : 10.1007/s00726-012-1427-3  
WEB >> <http://link.springer.com/article/10.1007/s00726-012-1427-3>

---

Digestibility of extruded proteins and metabolic transit of N  $\epsilon$ -carboxymethyllysine in rats  
Issam Alamir, Céline Niquet-Leridon, Philippe Jacolot, Camille Rodriguez, Martine Orosco, Pauline M Anton, Frédéric J Tessier  
Pub Med, , 2012 11 16; DOI : <https://doi.org/10.1007/s00726-012-1427-3>  
WEB >> <https://pubmed.ncbi.nlm.nih.gov/23160731/>

---

## Custom and purified diets

High-Fat Diet Induces Periodontitis in Mice through Lipopolysaccharides (LPS) Receptor Signaling: Protective Action of Estrogens  
Vincent Blasco-Baque, Matteo Serino, Jean-Noël Vergnes, Elodie Riant, Pascale Loubieres, Jean-François Arnal, Pierre Gourdy, Michel Sixou, Rémy Burcelin, Philippe Kemoun  
PLoS One, 2012 11 02; DOI : 10.1371/journal.pone.0048220

---

Exposure to a galactooligosaccharides/inulin prebiotic mix at different developmental time points differentially modulates immune responses in mice  
Gourbeyre, P., Desbuards, N., Grémy, G., Le Gall, S., Champ, M., Denery-Papini, S., & Bodinier, M.  
Journal of agricultural and food chemistry, 60(48), 11942-11951, 2012 11; DOI : 10.1021/jf3036403  
WEB >> <http://pubs.acs.org/doi/abs/10.1021/jf3036403>

---

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 >>

---

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

---

The nuclear receptor REV-ERB $\alpha$  is required for the daily balance of carbohydrate and lipid metabolism.  
Delezie J, Dumont S, Dardente H, Oudart H, Gréchez-Cassiau A, Klosen P, Teboul M, Delaunay F, Pévet P, Challet E.  
FASEB J., 26(8):3321-35, 2012 08; DOI : 10.1096/fj.12-208751  
WEB >> <http://www.fasebj.org/content/26/8/3321.short>

---

High-sensitivity detection of breast tumors in vivo by use of a pH-sensitive near-infrared fluorescence probe  
Mathejczyk, J. E., Pauli, J., Dullin, C., Resch-Genger, U., Alves, F., & Napp, J.  
Journal of biomedical optics, 17(7), 076028-076028, 2012 07; DOI : 10.1117/1.JBO.17.7.076028  
WEB >> <http://biomedicaloptics.spiedigitallibrary.org/article.aspx?articleid=1351616>

---

Interleukin-7 Regulates Adipose Tissue Mass and Insulin Sensitivity in High-Fat Diet-Fed Mice through Lymphocyte-Dependent and Independent Mechanisms  
Lucas S1, Taront S, Magnan C, Fauconnier L, Delacre M, Macia L, Delanoye A, Verwaerde C, Spriet C, Saule P, Goormachtigh G, Héliot L, Ktorza A, Movassat J, Polakowska R, Auriault C, Poulain-Godefroy O, Di Santo J, Froguel P, Wolowczuk I.  
PLoS One, 10.1371/journal.pone.0040351, 2012 06 29; DOI : 10.1371/journal.pone.0040351

---

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 Richey, 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.nutritionjournal.com/article/S0899-9007\(12\)00008-1/abstract](http://www.nutritionjournal.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

---

Impact of perinatal prebiotic consumption on gestating mice and their offspring: a preliminary report.  
Desbuards, N., Gourbeyre, P., Haure-Mirande, V., Darmaun, D., Champ, M., & Bodinier, M.  
British Journal of Nutrition, 107(09), 1245-1248, 2012 05; DOI : 10.1017/S0007114511004363  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8549186&fileId=S0007114511004363#fn1>

---

Long-term high fructose and saturated fat diet affects plasma fatty acid profile in rats  
Fabrice TRANCHIDA, Léopold TCHIAKPE, Zo RAKOTONIAINA, Valérie DEYRIS, Olivier RAVION, Abel HIOL  
Journal of Zhejiang University SCIENCE B, Volume 13, Issue 4, pp 307-317, 2012 04 03; DOI : 10.1631/jzus.B1100090  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3323775/>

---

Dairy fat blends high in  $\alpha$ -linolenic acid are superior to n-3 fatty-acid-enriched palm oil blends for increasing DHA levels in the brains of young rats  
Jean-CharlesMartinaGenevieveAgnanibNicolePagesbPascaleLeruyetcPierreCarayondBernadetteDelplanqueb  
ScienceDirect, Volume 23, Issue 12, December 2012, Pages 1573-1582, 2012 03 23; DOI : <https://doi.org/10.1016/j.jnutbio.2011.10.011>  
WEB >> <https://www.sciencedirect.com/science/article/pii/S0955286311003056#!>

---

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)

---

Rosiglitazone and Metformin Have Opposite Effects on Intestinal Absorption of Oligopeptides via the Proton-Dependent PepT1 Transporter  
Patrick Hindlet, Claire Barraud, Laura Bosch, Robert Farinotti, André Bado and Marion Buyse  
Molecular Pharmacology , vol. 81 no. 3 319-327 , 2012 03; DOI : 10.1124/mol.111.073874  
WEB >> <http://molpharm.aspetjournals.org/content/81/3/319.short>

---

Dual-Specificity Phosphatases Are Implicated in Severe Hyperplasia and Lack of Response to FGF23 of Uremic Parathyroid Glands from Rats  
Pablo Román-García, Natalia Carrillo-López, Manuel Naves-Díaz, Isabel Rodríguez, Alberto Ortiz and Jorge B. Cannata-Andía  
Endocrinology, en.2011-1770, 2012 02 14; DOI : 10.1210/en.2011-1770  
WEB >> <http://endo.endojournals.org/content/early/2012/02/08/en.2011-1770.abstract>

---

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>

---



## Custom and purified diets

Effects of PPARs agonists on cardiac metabolism in littermate and cardiomyocyte-specific PPAR- $\gamma$ -knockout (CM-PGKO) mice.

Barbieri M1, Di Filippo C, Esposito A, Marfella R, Rizzo MR, D'Amico M, Ferraraccio F, Di Ronza C, Duan SZ, Mortensen RM, Rossi F, Paolisso G. *PLoS One*, 7(4):e35999, 2012 02; DOI : 10.1371/journal.pone.0035999

WEB >> <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0035999>

---

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>

---

Oil composition of high-fat diet affects metabolic inflammation differently in connection with endotoxin receptors in mice.

Laugerette F, Furet JP, Debard C, Daira P, Loizon E, GÅ©loÅ«n A, Soulage CO, Simonet C, Lefils-Lacourtablais J, Bernoud-Hubac N, Bodenec J, Peretti N, Vidal H, Michalski MC.

*Am. J. Physiol Endocrinol Metab.*, 302(3):E374-86, 2012 02; DOI : 10.1152/ajpendo.00314.2011

---

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>

---

Chronic caffeine intake decreases circulating catecholamines and prevents diet-induced insulin resistance and hypertension in rats

Silvia V. Conde, Tiago Nunes da Silva, Constancio 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>

---

Relative contribution of fetal and postnatal nutritional periods on feeding regulation in adult rats

A. Martin Agnoux, M.-C. Alexandre-Gouabau, G Le Dréan, J.-P. Antignac, P. Parnet  
*Acta Physiologica*, , 2012; DOI : 10.1111/apha.12163

WEB >> <http://onlinelibrary.wiley.com/doi/10.1111/apha.12163/abstract>

---

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>

---

Cocoa-rich diet prevents azoxymethane-induced colonic preneoplastic lesions in rats by restraining oxidative stress and cell proliferation and inducing apoptosis

Ildelfonso Rodríguez-Ramiro, Sonia Ramos, Elvira López-Oliva, Angel Agis-Torres, Miren Gómez-Juaristi, Raquel Mateos, Laura Bravo, Luis Goya, María Ángeles Martín  
*Molecular Nutrition & Food Research*, Volume 55, Issue 12, pages 1895-1899, 2011 12; DOI : 10.1002/mnfr.201100363

WEB >> <http://onlinelibrary.wiley.com/doi/10.1002/mnfr.201100363/full>

---

Metabolic adaptation to a high-fat diet is associated with a change in the gut microbiota

Matteo Serino, Elodie Luche, Sandra Gres, Audrey Baylac, Mathieu Bergé, Claire Cenac, Aurelie Waget, and Al. GUT, , 2011 11 22; DOI : 10.1136/gutjnl-2011-301012

WEB >> <http://gut.bmj.com/content/early/2011/11/22/gutjnl-2011-301012.full>

---

Dietary Cholesterol-Induced Post-Testicular Infertility

Aurélia Ouvrier, Georges Alves, Christelle Damon-Soubeyrand, Geoffroy Marceau, Rémi Cadet, Laurent Janny, Florence Brugnon, 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

---

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>

---

Fenvalerate induced hepatic oxidative stress in selenium- and/or iodine-deficient rats

Belma Giray; Filiz Hincal  
*Hum Exp Toxicol.*, 30(10):1575-83, 2011 10; DOI : 10.1177/0960327110393762

WEB >> <http://het.sagepub.com/content/30/10/1575.short>

---

Increased Atherosclerosis in Mice Deficient in Perilipin1

Dominique Langlois, Fabien Forcheron, Jacques-Yuan Li, Peggy del Carmine, Samia Neggazi, Michel Beylot  
*Lipids Health Dis.*, 10: 169, 2011 09 24

WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3187733/?tool=pmcentrez>

---

Central Apelin Controls Glucose Homeostasis via a Nitric Oxide-Dependent Pathway in Mice

*Antioxidants & Redox Signaling*, 15(6): 1477-1496, 2011 09 15; DOI : 10.1089/ars.2010.3454

WEB >> <http://www.liebertonline.com/doi/abs/10.1089/ars.2010.3454>

---

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

---

Generation and characterization of a humanized PPAR $\delta$  mouse model.

Gross B, Hennuyer N, Bouchaert E, Rommens C, Grillot D, Mezdour H, Staels B.  
*British J. of Pharmacology*, 164(1):192-208, 2011 09; DOI : 10.1111/j.1476-5381.2011.01359.x

WEB >> <http://onlinelibrary.wiley.com/doi/10.1111/j.1476-5381.2011.01359.x/full>

---

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>

Deficient p27 Phosphorylation at Serine 10 Increases Macrophage Foam Cell Formation and Aggravates Atherosclerosis Through a Proliferation-Independent Mechanism  
José J. Fuster, Herminia González-Navarro, Angela Vinué, Pedro Molina-Sánchez, Maria J. Andrés-Manzano, Keichi I. Nakayama, Keiko Nakayama, Antonio Díez-Juan, Antonio Bernad, Cristina Rodríguez, José Martínez-González, Vicente Andrés  
Arterioscler Thromb Vasc Biol, 31: 2455-2463, 2011 09; DOI : 10.1161/ATVBAHA.111.235580

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>

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 >>

<http://diabetes.diabetesjournals.org/content/60/10/2598.abstract?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&fulltext=safe+augy&andorexactfulltext=and&searchid=1&>

Low hepcidin accounts for the proinflammatory status associated with iron deficiency

Pagani A, Nai A, Corna G, Bosurgi L, Rovere-Querini P, Camaschella C, Silvestri L  
Blood, 118(3):736-46, 2011 07 21; DOI : 10.1182/blood-2011-02-337212  
WEB >> <http://bloodjournal.hematologylibrary.org/content/118/3/736.abstract>

Constitutive Androstane Receptor Activation Decreases Plasma Apolipoprotein B–Containing Lipoproteins and Atherosclerosis in Low-Density Lipoprotein Receptor–Deficient Mice

Anne-Laure Sberna, Mahfoud Assem, Rui Xiao, Steve Ayers, Thomas Gautier, Boris Guiu, Valérie Deckert, Angélique Chevriaux, Jacques Grober, Naig Le Guern, Jean-Paul Pais de Barros, David D. Moore, Laurent Lagrost, David Masson  
Arterioscler Thromb Vasc Biol, 31: 2232-2239, 2011 07 21; DOI : 10.1161/ATVBAHA.110.222497  
WEB >> <http://atvb.ahajournals.org/content/31/10/2232.short>

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)

Resveratrol Increases Glucose Induced GLP-1 Secretion in Mice: A Mechanism which Contributes to the Glycemic Control

Thi-Mai Anh Dao, Aurélie Wage, Pascale Klopp, Matteo Serino, Christelle Vachoux, Laurent Pechere, Daniel J. Drucker, Serge Champion, Sylvain Barthélemy, Yves Barra, Rémy Burcelin, Eric Sérére  
PLoS One, 6(6): e20700, 2011 06 06; DOI : 10.1371/journal.pone.0020700

Cholesteryl ester transfer protein expression partially attenuates the adverse effects of SR-BI receptor deficiency on cholesterol metabolism and atherosclerosis.

El Bouhassani M, Gilibert S, Moreau M, Saint-Charles F, Tréguier M, Poti F, Chapman MJ, Le Goff W, Lesnik P, Huby T.  
J. of Biological Chemistry, 286(19):17227-38, 2011 05 13; DOI : 10.1074/jbc.M111.220483  
WEB >> <http://www.jbc.org/content/286/19/17227.short>

The amino acid sensor GCN2 biases macronutrient selection during aging

Anne-Catherine Maurin, Cédric Chaveroux, Sarah Lambert-Langlais, Valérie Carraro, Céline Jousse, Alain Bruhat, Julien Averous, Laurent Parry, David Ron and Josette Alliot, et al.  
European J. of Nutrition, 1-8, 2011 05 09; DOI : 10.1007/s00394-011-0205-4

Isocaloric 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>

High doses of vitamin E improve mitochondrial dysfunction in rat hippocampus and frontal cortex upon aging

Ana Navarro, Manuel J. Bandez, Jose M. Lopez-Cepero, Carmen Gómez, and Alberto Boveris  
Am. J. Physiol Regul Integr Comp Physiol, 300(4):R827-34, 2011 04; DOI : 10.1152/ajpregu.00525.2010  
WEB >> <http://ajpregu.physiology.org/content/300/4/R827.short>

CETP expression partially attenuates the adverse effects of SR-BI deficiency on cholesterol metabolism and atherosclerosis

Majda El Bouhassani, Sophie Gilibert, Martine Moreau, Flora Saint-Charles, Morgan Treguier, Francesco Poti, M. John Chapman, Wilfried Le Goff, Philippe Lesnik and Thierry Huby  
J. of Biological Chemistry, , 2011 03 20; DOI : 10.1074/jbc.M111.220483

Role of Hypothalamic Melanocortin System in Adaptation of Food Intake to Food Protein Increase in Mice

Bruno Pillot, Céline Duraffourd, Martine Bégeot, Aurélie Joly, Serge Luquet, Isabelle Houberton, Danielle Naville, Michèle Vigier, Amandine Gautier-Stein, Christophe Magnan, Gilles Mithieux  
PLoS One, 6(4): e19107, 2011 03 16; DOI : 10.1371/journal.pone.0019107

## Custom and purified diets

Increased gene dosage of the *Ink4/Arf* locus does not attenuate atherosclerosis development in hypercholesterolaemic mice.

Fuster JJ, Molina-Sánchez P, Jovani D, Vinué A, Serrano M, Andrés V.  
*Atherosclerosis*, 221(1):98-105, 2011 03; DOI : 10.1016/j.atherosclerosis.2011.12.013  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0021915011011609>

---

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>

---

Iron overload induces BMP6 expression in the liver but not in the duodenum

Léon Kautz, Céline Besson-Fournier, Delphine Meynard, Chloé Latour, Marie-Paule Roth, and Hélène Coppin  
*Haematologica*, 96(2): 199-203, 2011 02; DOI : 10.3324/haematol.2010.031963  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3031686/?tool=pmcentrez>

---

Immunological and Metabolomic Impacts of Administration of Cry1Ab Protein and MON 810 Maize in Mouse

Karine Adel-Patient, Valeria D. Guimaraes, Alain Paris, Marie-Françoise Drumare, Sandrine Ah-Leung, Patricia Lamourette, Marie-Claire Nevers, Cécile Canlet, Jérôme Molina, Hervé Bernard, Christophe Créminon, Jean-Michel Wal  
*PLoS One*, 6(1): e16346, 2011 01; DOI : 10.1371/journal.pone.0016346

---

Influence of the Composition of the Cellulolytic Flora on the Development of Hydrogenotrophic Microorganisms, Hydrogen Utilization, and Methane Production in the Rumen of Gnotobiotically Reared Lambs

Frédérique Chaucheyras-Durand, Sébastien Masségli, Gérard Fonty, Evelyne Forano  
*Applied and Environmental Microbiology*, 76(24): 7931-7937, 2010 12; DOI : 10.1128/AEM.01784-10  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3008260/?tool=pmcentrez>

---

No altered blood pressure and serum markers of oxidative stress after a long time dietary fish oil in the genetically 9 month-old type-2 diabetes Zucker rat

Sompadthana Tricot, Virginie Mimouni, Sonia Rompion, Christelle Froger, Pierre Lacroix, Sylvain Roux, Lionel Ulmann  
*Prostaglandins, Leukotrienes and Essential Fatty Acids*, Volume 83, Issues 4-6, Pages 211-218, 2010 10; DOI : 10.1016/j.plefa.2010.08.005  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0952327810001432>

---

Fetal alcohol-induced hyperactivity is reversed by treatment with the PPAR $\alpha$  agonist fenofibrate in a rat model

Kévin Marche, Thierry Danel and Régis Bordet  
*Psychopharmacology (Berl)*, Volume 214, Number 1, 285-296, 2010 06 26; DOI : 10.1007/s00213-010-1960-2  
WEB >> <http://www.springerlink.com/content/m5x46624v7086814/>

---

Proteasomal degradation of retinoid X receptor alpha reprograms transcriptional activity of PPAR $\gamma$  in obese mice and humans.

Lefebvre B, Benomar Y, Guédin A, Langlois A, Hennuyer N, Dumont J, Bouchaert E, Daquet 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 Degrace  
*Diabetes*, 59(4): 926-934, 2010 04; DOI : 10.2337/db09-1482  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2844840/?tool=pmcentrez>

---

Dietary DHA: time course of tissue uptake and effects on cytokine secretion in mice

Jennifer Lefils, Alain Ge'loe'n, Hubert Vidal, Michel Lagarde and Nathalie Bernoud-Hubac  
*Br J Nutr.*, 104, 1304-1312, 2010 04; DOI : 10.1017/S0007114510002102  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=7918263>

---

Positive Regulatory Control Loop between Gut Leptin and Intestinal GLUT2/GLUT5 Transporters Links to Hepatic Metabolic Functions in Rodents

Yassine Sakar, Corinne Nazaret, Philippe Lettéron, Amal Ait Omar, Mathilde Avenati, Benoît Viollet, Robert Ducroc, and André Bado  
*PLoS One*, 4(11): e7935, 2009 11; DOI : 10.1371/journal.pone.0007935  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2780353/>

---

Consequences of head injury and static cold storage on hepatic function: ex vivo experiments using a model of isolated perfused rat liver

E. Levesque, C. Moinard, V. Besson, N. Neveux, J. Chaumeil, L. Cynober, C. Charrueau  
*Metabolism*, Volume 58, Issue 11, Pages 1550-1556, 2009 11; DOI : 10.1016/j.metabol.2009.04.032  
WEB >> <http://cat.inist.fr/?aModele=afficheN&cpsidt=22093915>

---

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>

---

Morphologic and Electroretinographic Phenotype of SR-BI Knockout Mice after a Long-Term Atherogenic Diet

Provost AC, Vede L, Bigot K, Keller N, Tailleux A, Jais JP, Savoldelli M, Ameqrane I, Lacassagne E, Legeais JM, Staels B, Menasche M, Mallat Z, Behar-Cohen F, Abitbol M.  
*Invest Ophthalmol Vis Sci.*, 50(8):3931-42, 2009 08; DOI : 10.1167/iovs.08-2527  
WEB >> <http://www.iovs.org/content/50/8/3931.short>

---

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  
WEB >> <http://ajprenal.physiology.org/content/297/4/F943.article-info>

---

A moderate consumption of Côtes du Rhône red wines affects the progression of aortic lesions, and reduces oxidative stress and p22phox/NADPH oxidase activation in an experimental model of diet-induced atherosclerosis, according to the vinification process

Ying Qian, Anta Agne, Kleopatra Chira, Pierre-Louis Teissède, Kelly Décordé, Emilie Ventura, Jean-Paul Cristol and Jean-Max Rouanet  
*European Food Research and Technology*, Volume 229, Number 3, 485-493, 2009 07

---

Hypothalamic Reactive Oxygen Species Are Required for Insulin-Induced Food Intake Inhibition  
Tristan Jaillard, Michael Roger, Anne Galinier, Pascale Guillou, Alexandre Benani, Corinne Leloup, Louis Casteilla, Luc Pénicaud, and Anne Lorsignol  
*Diabetes*, 58(7): 1544–1549, 2009 07; DOI : 10.2337/db08-1039  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2699877/?tool=pmcentrez>

---

Reduced Intestinal Absorption of Dipeptides via PepT1 in Mice with Diet-induced Obesity Is Associated with Leptin Receptor Down-regulation  
Patrick Hindle, André Bado, Peter Kamenicky, Claudine Deloménie, Fanchon Bourasset, Corinne Nazaret, Robert Farinotti and Marion Buyse  
*J. of Biological Chemistry*, 284, 6801-6808, 2009 03 13; DOI : 10.1074/jbc.M805564200  
WEB >> <http://www.jbc.org/content/284/11/6801.full>

---

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>

---

Increased induction of apoptosis by *Propionibacterium freudenreichii* TL133 in colonic mucosal crypts of human microbiota-associated rats treated with 1,2-dimethylhydrazine.  
Lan A, Bruneau A, Bensaada M, Philippe C, Bellaud P, Rabot S, Jan G.  
*Br J Nutr.*, 100(6):1251-9, 2008 12; DOI : 10.1017/S0007114508978284  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=2688400>

---

Short day-length increases sucrose consumption and adiposity in rats fed a high-fat diet  
Natalia Sinitzkaya a, Carole Schuster-Klein b, Béatrice Guardiola-Lemaitre b, Sylviane Gourmelin a, Paul Pévet a, Etienne Challet a,\*  
*Psychoneuroendocrinology*, 1269-78, 2008 10; DOI : 10.1016/j.psyneuen.2008.07.003  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/18752899>

---

Selective decrease of bis(monoacylglycero)phosphate content in macrophages by high supplementation with docosahexaenoic acid  
Jérôme Bouvier, Karin A. Zemski Berry, Françoise Hullin-Matsuda, Asami Makino, Sabine Michaud, Alain Geloën, Robert C. Murphy, Toshihide Kobayashi, Michel Lagarde, and Isabelle Delton-Vandenbroucke  
*J. of Lipid Research*, Vol. 50, 243-255, 2008 09 22; DOI : 10.1194/jlr.M800300-JLR200

---

Orthologous metabolomic qualification of a rodent model combined with magnetic resonance imaging for an integrated evaluation of the toxicity of *Hypochoeris radicata*  
Domange, C., Canlet, C., Traoré, A., Biélicki, G., Keller, C., Paris, A., & Priymenko, N.  
*Chemical research in toxicology*, 21(11), 2082-2096, 2008 09; DOI : 10.1021/tx800159x  
WEB >> <http://pubs.acs.org/doi/abs/10.1021/tx800159x>

---

Iron regulates phosphorylation of Smad1/5/8 and gene expression of Bmp6, Smad7, Id1, and Atoh8 in the mouse liver  
Léon Kautz, Delphine Meynard, Annabelle Monnier, Valérie Darnaud, Régis Bouvet, Rui-Hong Wang, Chixia Deng, Sophie Vaulont, Jean Mosser, Hélène Coppin, and Marie-Paule Roth  
*BLOOD*, Vol. 112, No. 4, pp. 1503-1509, 2008 08 15; DOI : 10.1182/blood-2008-03-143354  
WEB >> <http://bloodjournal.hematologylibrary.org/cgi/content/abstract/112/4/1503>

---

*Eubacterium limosum* activates isoxanthohumol from hops (*Humulus lupulus* L.) into the potent phytoestrogen 8-prenylnaringenin in vitro and in rat intestine.  
Possemiers S, Rabot S, Espin JC, Bruneau A, Philippe C, González-Sarriás A, Heyerick A, Tomás-Barberán FA, De Keukeleire D, Verstraete W.  
*J. of Nutrition*, 138(7):1310-6, 2008 07  
WEB >> <http://jn.nutrition.org/content/138/7/1310.long>

---

Lycopene Absorption in Human Intestinal Cells and in Mice Involves Scavenger Receptor Class B Type I but Not Niemann-Pick C1-Like 1  
Myriam Moussa, Jean-François Landrier, Emmanuelle Reboul, Odette Ghiringhelli, Christine Coméra, Xavier Collet, Kati Frolich, Volker Böhm, and Patrick Borel  
*J. of Nutrition*, 138: 1432–1436, 2008 05 29  
WEB >> [http://jn.nutrition.org/cgi/external\\_ref?access\\_num=18641187&link\\_type=PUBMED](http://jn.nutrition.org/cgi/external_ref?access_num=18641187&link_type=PUBMED)

---

Chronic dietary intake of plant-derived anthocyanins protects the rat heart against ischemia-reperfusion injury.  
Toufeksian MC, de Lorgeril M, Nagy N, Salen P, Donati MB, Giordano L, Mock HP, Peterek S, Matros A, Petroni K, Pílu R, Rotilio D, Tonelli C, de Leiris J, Boucher F, Martin C.  
*J. of Nutrition*, 138(4):747-52, 2008 04  
WEB >> <http://jn.nutrition.org/content/138/4/747>

---

Influence of cooking duration of cabbage and presence of colonic microbiota on the excretion of N-acetylcysteine conjugates of allyl isothiocyanate and bioactivity of phase 2 enzymes in F344 rats.  
Rungapamestry V, Rabot S, Fuller Z, Ratcliffe B, Duncan AJ.  
*Br J Nutr.*, 99(4):773-81, 2008 04; DOI : 10.1017/S0007114507841134

---

Insulin Internalizes GLUT2 in the Enterocytes of Healthy but Not Insulin-Resistant Mice  
Vanessa Tobin, Maude Le Gall, Xavier Fioramonti, Emilie Stolarczyk, Alba G. Blazquez, Christophe Klein, Magali Prigent, Patricia Serradas, Marie-Hélène Cuif, Christophe Magnan, Armelle Leturque, and Edith Brot-Laroche  
*Diabetes*, vol. 57 no. 3 555-562, 2008 03; DOI : 10.2337/db07-0928  
WEB >> <http://diabetes.diabetesjournals.org/content/57/3/555.full>

---

Ability of *Lactobacillus fermentum* to overcome host  $\alpha$ -galactosidase deficiency, as evidenced by reduction of hydrogen excretion in rats consuming soya  $\alpha$ -galactooligosaccharides  
Jean Guy LeBlanc, Florence Ledue-Clier, Martine Bensaada, Graciela Savoy de Giori, Theodora Guerekobaya, Fernando Sesma, Vincent Juillard, Sylvie Rabot, and Jean-Christophe Piard

---

Hypolipidemic Effect in Cholesterol-Fed Rats of a Soluble Fiber-Rich Product Obtained from Cocoa Husk  
RAMOS Sonia; MOULAY Leila; BELEN GRANADO-SERRANO Ana; VILANOVA Olga; MUGUERZA Begona; GOYA Luis; BRAVO Laura  
J. of agricultural and food chemistry, vol. 56, no16, pp. 6985-6993, 2008; DOI : 10.1021/jf8009816  
WEB >> <http://cat.inist.fr/?aModele=afficheN&cpsidt=20611261>

---

$\beta$ -Aminoisobutyric Acid Prevents Diet-induced Obesity in Mice With Partial Leptin Deficiency  
Karima Begriche, Julie Massart, Adjé 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>

---

Induction of immunosuppressive molecules and regulatory T cells counteracts the antitumor effect of interleukin-12-based gene therapy in a transgenic mouse model of liver cancer  
M. Zabala, J. Lasarte, C. Perret, J. Sola, P. Berraondo, M. Alfaro, E. Larrea, J. Prieto, M. Kramer  
J. of Hepatology, Volume 47, Issue 6, Pages 807-815, 2007 12; DOI : 10.1016/j.jhep.2007.07.025  
WEB >> <http://linkinghub.elsevier.com/retrieve/pii/S0168827807005065>

---

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>

---

Vitamin H-regulated transgene expression in mammalian cells  
Wilfried Weber, William Bacchus, Marie Daoud-EI Baba, and Martin Fussenegger  
Nucleic Acids Res., 35(17): e116, 2007 10 07; DOI : 10.1093/nar/gkm466  
WEB >> <http://nar.oxfordjournals.org/cgi/content/abstract/35/17/e116>

---

Polyamine deficient diet to relieve pain hypersensitivity  
C. Rivat, P. Richebé, E. Laboureyras, J. Laulin, R. Havouis, F. Noble, J. Moulinoux, G. Simonnet  
Pain, Volume 137, Issue 1, Pages 125-137, 2007 09 27; DOI : 10.1016/j.pain.2007.08.021  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/17900809>

---

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)

---

Survival and metabolic activity of selected strains of *Propionibacterium freudenreichii* in the gastrointestinal tract of human microbiota-associated rats.  
Lan A, Bruneau A, Philippe C, Rochet V, Rouault A, Hervé C, Roland N, Rabot S, Jan G.  
Br J Nutr., 97(4):714-24, 2007 04; DOI : 10.1017/S0007114507433001  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=927484>

---

A synthetic time-delay circuit in mammalian cells and mice  
Wilfried Weber, Jörg Stelling, Markus Rimann, Bettina Keller, Marie Daoud-EI Baba, Cornelia C. Weber, Dominique Aubel, and Martin Fussenegger  
Proc Natl Acad Sci U S A., 104(8): 2643–2648, 2007 02 20; DOI : 10.1073/pnas.0606398104  
WEB >> <http://www.pnas.org/content/104/8/2643.abstract>

---

Lipolysis is altered in MHC class I zinc- $\alpha$ 2-glycoprotein deficient mice  
Véronique Rolli, Mirjana Radosavljevic, Valérie Astier, Cécile Macquin, Isabelle Castan-Laurell, Virgile Visentin, Charlotte Guigné, Christian Carpéné, Philippe Valet, Susan Gilfillan and Seiamak Bahram  
Federation of European Biochemical Societies, Vol.581 (2007) 394–400, 2007 02 06; DOI : 10.1016/j.febslet.2006.12.047  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0014579307000105>

---

The RXR Agonist Bexarotene Improves Cholesterol Homeostasis and Inhibits Atherosclerosis Progression in a Mouse Model of Mixed Dyslipidemia  
Fanny Lalloyer; Catherine Fiévet; Sophie Lestavel; Gérard Torpier; Jelske van der Veen; Véronique Touche; Stéphanie Bultel; Saïd Yous; Folkert Kuipers; Réjane Paumelle; Jean-Charles Fruchart; Bart Staels; Anne Tailleux  
Arterioscler Thromb Vasc Biol, 26(12):2731-2737, 2006 12; DOI : 10.1161/01.ATV.0000248101.93488.84

---

Wine constituents inhibit thrombosis but not atherogenesis in C57BL/6 apolipoprotein E-deficient mice  
Soulat T, Philippe C, Bal dit Sollier C, Brézillon C, Berge N, Teissedre PL, Callebert J, Rabot S, Drouet L.  
Br J Nutr., 96(2):290-8, 2006 08; DOI : 10.1079/BJN20061818  
WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=927164>

---

Fructose-enriched diet modifies antioxidant status and lipid metabolism in spontaneously hypertensive rats  
Aurélien 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.nutritionjournal.com/article/S0899-9007\(06\)00226-7/abstract](http://www.nutritionjournal.com/article/S0899-9007(06)00226-7/abstract)

---

<sup>1</sup>H Nuclear Magnetic Resonance Spectroscopy-Based Studies of the Metabolism of Food-Borne Carcinogen 2-Amino-3-Methylimidazo[4,5-f]Quinoline by Human Intestinal Microbiota  
Christèle Humblot, Bruno Combourieu, Marja-Liisa Väisänen, Jean-Pierre Furet, Anne-Marie Delort, and Sylvie Rabot  
Applied and Environmental Microbiology, 71(9): 5116–5123, 2005 10; DOI : 10.1128/AEM.71.9.5116-5123.2005  
WEB >> <http://aem.highwire.org/cgi/content/abstract/71/9/5116>

---

## Custom and purified diets

Brussels sprouts, inulin and fermented milk alter the faecal microbiota of human microbiota-associated rats as shown by PCR-temporal temperature gradient gel electrophoresis using universal, *Lactobacillus* and *Bifidobacterium* 16S rRNA gene primers.

Humblot C, Bruneau A, Sutren M, Lhoste EF, Doré J, Andrieux C, Rabot S.  
Br J Nutr., 93(5):677-84, 2005 05; DOI : 10.1079/BJN20051372

---

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

Aurélié 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)

---

A new actimetry-based test of photic sensitization in a murine photosensitive magnesium depletion model

Bac, P., Pages, N., Maurois, P., German-Fattal, M., Durlach, J.  
Methods Find Exp Clin Pharmacol, 27(10): 681, 2005; DOI : 10.1358/mf.2005.27.10.948880  
WEB >> [http://journals.prous.com/journals/servelet/xmlsl/pk\\_journals.xml\\_summary\\_pr?p\\_JournalId=6&p\\_RefId=948880&p\\_IsPs=N](http://journals.prous.com/journals/servelet/xmlsl/pk_journals.xml_summary_pr?p_JournalId=6&p_RefId=948880&p_IsPs=N)

---

Humblot C, Lhoste E, Knasmüller S, Gloux K, Bruneau A, Bensaada M, Durao J, Rabot S, Andrieux C, Kassie F.  
J. of Chromatography B, Volume 802, Issue 1, Pages 231-237, 2004 03 25; DOI : 10.1016/j.jchromb.2003.11.018

WEB >> <http://www.sciencedirect.com/science/article/pii/S1570023203009498>

---

Exclusive expression of transmembrane TNF- $\alpha$  in mice reduces the inflammatory response in early lipid lesions of aortic sinus

Matthias Canault, Franck Peirettia, Christoph Muellerb, Francis Koppa, Pierre Morangea, Sylvia Rihsb, Henri Portugalc, Irène Juhan-Vaguea and Gilles Nalbome  
Atherosclerosis, Volume 172, Issue 2, Pages 211-218, 2004 02; DOI : 10.1016/j.atherosclerosis.2003.10.004  
WEB >> [http://www.atherosclerosis-journal.com/article/S0021-9150\(03\)00445-3/abstract](http://www.atherosclerosis-journal.com/article/S0021-9150(03)00445-3/abstract)

---

VLDL metabolism in rats is affected by the concentration and source of dietary protein

Madani S, Prost J, Narce M, Belleville J  
J. of Nutrition, 133(12):4102-6, 2003 12  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/14652355?dopt=Abstract>

---

Peroxisome Proliferator-Activated Receptor- Activation as a Mechanism of Preventive Neuroprotection Induced by Chronic Fenofibrate Treatment

Dominique Deplanque, Patrick Gele, Olivier Pétrault, Isabelle Six, Christophe Furman, Muriel Bouly, Stéphane Nion, Bernard Dupuis, Didier Leys, Jean-Charles Fruchart, Roméo Cecchelli, Bart Staels, Patrick Duriez, and Régis Bordet  
J. of Neuroscience, 23(15):6264-6271, 2003 06 16  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/12867511>

---

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

Bouthegeourd JC, Even PC, Grippois D, Tiffon B, Blouquit MF, Roseau S, Lutton C, Tomé D, Martin JC.  
J. of Nutrition, 132(9):2682-9, 2002 09  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/12221229?dopt=Abstract>

---

Effects of dietary maritime pine seed oil on lipoprotein metabolism and atherosclerosis development in mice expressing human apolipoprotein B

G. Asset, E. Baugé, R. L. Wolff, J. C. Fruchart and J. Dallongeville  
European J. of Nutrition, Volume 40, Number 6, 268-274, 2001 12; DOI : 10.1007/s394-001-8355-6  
WEB >> <http://www.springerlink.com/content/5xtbbl3y8emhk4j2/>

---

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 Geloën, Annie Quignard-Boulangé, Sophie Turban, Perla Saint-Marc, Akiyoshi Fukamizu, Raymond Negrel, Gérard Ailhaud and Michèle Teboul  
Endocrinology, Vol. 142, No. 12 5220-5225, 2001 08 20

---

Peroxisome Proliferator-activated Receptor  $\alpha$  Is Not Rate-limiting for the Lipoprotein-lowering Action of Fish Oil

Dallongeville J, Baugé E, Tailleux A, Peters JM, Gonzalez FJ, Fruchart JC, Staels B.  
J. of Biological Chemistry, 276(7):4634-9, 2001 02 16; DOI : 10.1074/jbc.M008809200  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/11050100?dopt=Abstract>

---

Compensatory up-regulation of angiotensin II subtype 1 receptors in alphaENaC knockout heterozygous mice

Qing Wang, Edith Hummler, Marc Maillard, Jurg Nussberger, Bernard C Rossier, Hans R Brunner and Michel Burnier  
Kidney International, 59, 2216-2221, 2000 12 27; DOI : 10.1046/j.1523-1755.2001.00739.x  
WEB >> <http://www.nature.com/ki/journal/v59/n6/full/4492269a.html>

---

Effects of selenium deficiency on the response of cardiac tissue to ischemia and reperfusion

Marie-Claire Toufektsiana, François Bouchera, Sylvie Pucheua, Stéphane Tanguya, Christophe Ribuota, Drissa Sanoub, Nicole Tresalleta and Joël de Leiris  
Toxicology, Volume 148, Issues 2-3, Pages 125-132, 2000 08 07; DOI : 10.1016/S0300-483X(00)00203-1  
WEB >> <http://www.sciencedirect.com/science/article/pii/S0300483X00002031>

---

Effects of dietary maritime pine (*Pinus pinaster*)-seed oil on high-density lipoprotein levels and in vitro cholesterol efflux in mice expressing human apolipoprotein A-I

Gaëlle Asset, Arnaud Leroy, Eric Bauge, Robert L. Wolff, Jean-Charles Fruchart and Jean Dallongeville  
Br J Nutr., 84, 353-360, 2000  
WEB >> <http://journals.cambridge.org/action/displayFulltext?type=1&fid=882076&jid=BJN&volumeld=84&issuelld=03&aid=882064>

---

## Custom and purified diets

Pinus pinaster oil affects lipoprotein metabolism in apolipoprotein E-deficient mice  
G. Asset, E. Baugé, R. L. Wolff, J. C. Fruchart, and J. Dallongeville  
J. of Nutrition, 129(11):1972-8, 1999 11  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/10539771?dopt=Abstract>

---

Plasma lipids and fatty acid synthase activity are regulated by short-chain fructo-oligosaccharides in sucrose-fed insulin-resistant rats.  
Agheli N, Kabir M, Berni-Canani S, Petitjean E, Boussairi A, Luo J, Bornet F, Slama G, Rizkalla SW.  
J. of Nutrition, 128(8):1283-8, 1998 08  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/9687545?dopt=Abstract>

---

Effects of polyunsaturated fatty acids on rat glomerulosclerosis induced by hypercholesterolaemic diet  
R. Romero, S. Higueruelo, M. Vaquero, C. Biosca, J. C. Martínez-Ocaña, C. Pastor  
Research in Experimental Medicine, Volume 198, Number 1, 1-10, 1998 07  
WEB >> <http://www.springerlink.com/content/fmyuyk2ja2qe3gf/>

---

Effects of varying dietary proteins on plasma lipids and rabbit platelet function  
A. Ravel, A. M. Roussel, J. Alary and J. Laturaze  
Thrombosis Research, Volume 49, Issue 4, Pages 405-414, 1998 02 15  
WEB >> [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6T1C-4C3054N-](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T1C-4C3054N-)

---

Glycemic index, nutrient density, and promotion of aberrant crypt foci in rat colon  
Denis E. Corpet, Ginette Peiffer, and Sylviane Taché  
Nutr Cancer, 32(1): 29-36, 1998  
WEB >> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2566797/>

---

Branched Chain Amino Acids Improve Body Composition and Nitrogen Balance in a Rat Model of Extra Hepatic Biliary Atresia  
Sokal EM, Baudoux MC, Collette E, Hausleithner V, Lambotte L, Buts JP.  
Pediatric Research, 40(1):66-71, 1996 07  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/8798248>

---

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=B6T99-3YYTK74-1T&\\_user=10&\\_coverDate=11%2F30%2F1994&\\_rdoc=1&\\_fmt=high&\\_orig=search&\\_sort=d&\\_docanchor=&view=c&\\_searchStrId=1265406880&\\_rerunOrigin=scholar.google&\\_](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T99-3YYTK74-1T&_user=10&_coverDate=11%2F30%2F1994&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&view=c&_searchStrId=1265406880&_rerunOrigin=scholar.google&_)

---

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>

---

Effects of soybean fiber on cecal digestion in rats previously adapted to a fiber-free diet  
Levrat MA, Behr SR, Rémésy C, Demigné C  
J. of Nutrition, 121(5):672-8, 1991 05  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/1850456?dopt=Abstract>

---

Renutrition après Ingestion de régimes comprenant 10% de protéines de soja associées à diverses concentrations d'alginate ou de carraghénate de sodium. Effets sur la croissance et les paramètres lipidiques chez le rat  
J. Mouécoucou, C. Guillaume, HM Bau, JP Nicolas and L. Méjean  
Reproduction Nutrition Development, Volume 31, Number 4, 377 - 388, 1991

---

Normolipidaemic Activity of Liposomal-Encapsulated Superoxide Dismutase in Rats  
A. Vaille 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>

---

Metabolic fate of sphingomyelin of high-density lipoprotein in rat plasma  
Marc Bentejac, Maurice Bugaut, Marie Claire Delachambre and Jean Lecerf  
Lipids, Volume 25, Number 10, 653-660, 1990 10  
WEB >> <http://www.springerlink.com/content/c74777626144184/>

---

Lipid diet and enterocyte microsomal membrane fluidity in rats  
M. Chautan, M. Dell'Amico, M. Bourdeaux, J. Leonardi, M. Charbonnier, and H. Lafont  
Chemistry and Physics of Lipids, Volume 54, Issue 1, Pages 25-32, 1990 04  
WEB >> [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6T2N-47P9CTS-12&\\_user=10&\\_coverDate=04%2F30%2F1990&\\_rdoc=1&\\_fmt=high&\\_orig=search&\\_sort=d&\\_docanchor=&view=c&\\_searchStrId=1265266772&\\_rerunOrigin=scholar.google&\\_](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T2N-47P9CTS-12&_user=10&_coverDate=04%2F30%2F1990&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&view=c&_searchStrId=1265266772&_rerunOrigin=scholar.google&_)

---

Effect of Dietary Restriction on Receptor-Mediated and Independent Catabolism of  $\beta$ -Very Low Density Lipoproteins in Cholesterol-Fed Rabbits  
Lacombe C, Corraze G.  
J. of Nutrition, 119(10):1513-8, 1989 10  
WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/2585141?dopt=Abstract>

---

## Custom and purified diets

Effects of dietary saturated and polyunsaturated fat on lipoprotein lipase and hepatic triglyceride lipase activity

Eric Coiffier, Roger Paris and Jean Lecerf

Comparative Biochemistry and Physiology, Volume 88, Issue 1, Pages 187-192, 1987

WEB >> <http://www.ncbi.nlm.nih.gov/pubmed/3677597>

---

Effect of pectin, wheat bran and cellulose on serum lipids and lipoproteins in rats fed on a low- or high-fat diet

Jean Louis Vigne, Denis Lairon, Patrick Borel, Henri Portugal, Anne-Marie Pauli, Jacques Christian Hauton and Huguette Lafont

Br J Nutr., 58 : 405-413, 1987

WEB >> <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=861976>

---

Long-lasting effect of perinatal exposure to L-tryptophan on circadian clock of primary cell lines established from male offspring born from mothers fed on dietary protein restriction.

Nascimento E, Guzman-Quevedo O, Delacourt N, da Silva Aragão R, Perez-Garcia G, de Souza SL, Manhães-de-Castro R, Bolaños-Jiménez F, Kaeffer B.

PLoS One, 8(2):e56231, ; DOI : 10.1371/journal.pone.0056231

WEB >> <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0056231>