GLP-1(32-36)amide Pentapeptide Increases Basal Energy Expenditure and Inhibits Weight Gain in Obese Mice

SUMO-Specific Protease 2 (SENP2) Is an Important Regulator of Fatty Acid Metabolism in Skeletal Muscle

Effect of Sex and Impaired Glucose Tolerance on Organ-Specific Dietary Fatty Acid Metabolism in Humans

GLP-1 Response to Oral Glucose Is Reduced in Prediabetes, Screen-Detected Type 2 Diabetes, and Obesity and Influenced by Sex: The ADDITION–PRO Study

Cellular Stress, Excessive Apoptosis, and the Effect of Metformin in a Mouse Model of Type 2 Diabetic Embryopathy
Y. Wu, F. Wang, M. Fu, C. Wang, M.J. Quon, and P. Yang

GLP-1R Agonists Modulate Enteric Immune Responses Through the Intestinal Intraepithelial Lymphocyte

Adipose Tissue–Derived Stem Cells From Obese Subjects Contribute to Inflammation and Reduced Intrinsic Insulin Response in Adipocytes Through Differential Regulation of the Th1/Th17 Balance and Monocyte Activation

Inactivation of Protein Tyrosine Phosphatases Enhances Interferon Signaling in Pancreatic Islets

The Basic Helix-Loop-Helix Transcription Factor NEUROG3 Is Required for Development of the Human Endocrine Pancreas
P.S. McGrath, C.L. Watson, C. Ingram, M.A. Helmhart, and J.M. Wells

Function of Isolated Pancreatic Islets From Patients at Onset of Type 1 Diabetes: Insulin Secretion Can Be Restored After Some Days in a Nondiabetogenic Environment In Vitro. Results From the DIVID Study

Pathophysiology and Therapeutics

Pathophysiological Mechanism of Bone Loss in Type 2 Diabetes Involves Inverse Regulation of Osteoblast Function by PGC-1α and Skeletal Muscle Atrogenes: AdipoR1 as a Potential Target for Reversing Diabetes-Induced Osteoporasia
Exenatide Protects Against Glucose- and Lipid-Induced Endothelial Dysfunction: Evidence for Direct Vasodilation Effect of GLP-1 Receptor Agonists in Humans

Adenylyl Cyclase Type 5 Deficiency Protects Against Diet-Induced Obesity and Insulin Resistance
D. Ho, X. Zhao, L. Yan, C. Yuan, H. Zong, D.E. Vatner, J.E. Pessin, and S.F. Vatner

Role of Established Type 2 Diabetes–Susceptibility Genetic Variants in a High Prevalence American Indian Population
R.L. Hanson, R. Rong, S. Kobes, Y.L. Muller, E.J. Weil, J.M. Curtis, R.G. Nelson, and L.J. Baier

Genetic Variant at the GLUL Locus Predicts All-Cause Mortality in Patients With Type 2 Diabetes
S. Prudente, H. Shah, D. Baillett, M. Pezzolesi, P. Buranasupkaorn, L. Mercuri, C. Mendoza, S. De Cosmo, M. Niewczas, V. Trischitta, and A. Doria

Epigenetic Regulation of Placenta-Specific 8 Contributes to Altered Function of Endothelial Colony-Forming Cells Exposed to Intrauterine Gestational Diabetes Mellitus

Using Genetic Variants to Assess the Relationship Between Circulating Lipids and Type 2 Diabetes
T. Fall, W. Xie, W. Poon, H. Yaghoobtakan, R. Magi, the GENESIS Consortium, J.W. Knowles, V. Lyssenko, M. Weedon, T.M. Frayling, and E. Ingelsson

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Erratum
Erratum. PD-L1–Driven Tolerance Protects Neurogenin3-Induced Islet Neogenesis to Reverse Established Type 1 Diabetes in NOD Mice. Diabetes 2015;64:529–540
R. Li, J. Lee, M.-s. Kim, V. Liu, M. Moulik, H. Li, Q. Yi, A. Xie, W. Chen, L. Yang, Y. Li, T.H. Tsai, K. Oka, L. Chan, and V. Yechoor

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