

IN THIS ISSUE

- 1345** In This Issue of *Diabetes*
M. Bingham

COMMENTARY

- 1347** Decoding the Mechanisms Behind Early Weaning–Driven Obesity and the Leucine “Solution”
M.L. Bonet, J. Ribot, and C. Picó

METABOLISM

- 1350** Elevated Adipocyte Membrane Phospholipid Saturation Does Not Compromise Insulin Signaling
H. Palmgren, K. Petkevicius, S. Bartesaghi, A. Ahnmark, M. Ruiz, R. Nilsson, L. Löfgren, M.S. Glover, A.-C. Andréasson, L. Andersson, C. Becquart, M. Kurczy, B. Kull, S. Wallin, D. Karlsson, S. Hess, M. Maresca, M. Bohlooly-Y, X.-R. Peng, and M. Pilon
- 1364** Diurnal Cycling of Insulin Sensitivity in Type 2 Diabetes: Evidence for Deviation From Physiology at an Early Stage
P. Lucidi, G. Perriello, F. Porcellati, S. Pampanelli, M. De Fano, A. Tura, G.B. Bolli, and C.G. Fanelli
- 1374** Bariatric Surgery Alters the Postprandial Recovery From Hypoglycemia, Mediated by Cholinergic Signal
M. Salehi, D. Tripathy, R. Peterson, H. Honka, S. Pezzica, R. DeFronzo, and A. Gastaldelli
- 1384** Bridging Energy Need and Feeding Behavior: The Impact of eIF2 α Phosphorylation in AgRP Neurons
K.K. Kim, T.H. Lee, B.S. Park, D. Kang, D.H. Kim, B. Jeong, J.W. Kim, H.R. Yang, H.R. Kim, S. Jin, S.H. Back, J.W. Park, J.G. Kim, and B.J. Lee
- 1397** AMPK γ 3 Controls Muscle Glucose Uptake in Recovery From Exercise to Recapture Energy Stores
K. Kido, N.O. Eskesen, N.S. Henriksen, J. Onslev, J.M. Kristensen, M.R. Larsen, J.R. Hingst, J.R. Knudsen, J.B. Birk, N.R. Andersen, T.E. Jensen, C. Pehmøller, J.F.P. Wojtaszewski, and R. Kjøbsted

OBESITY STUDIES

- 1409** Leucine Supplementation Ameliorates Early-Life Programming of Obesity in Rats
Y. Sun, B. Sun, X. Han, A. Shan, and Q. Ma

- 1424** Abdominal Obesity Genetic Variants Predict Waist Circumference Regain After Weight Loss
M.R. Christiansen, T.O. Kilpeläinen, and J.M. McCaffery

ISLET STUDIES

- 1433** Stromal Interaction Molecule 1 Maintains β -Cell Identity and Function in Female Mice Through Preservation of G-Protein–Coupled Estrogen Receptor 1 Signaling
P. Sohn, M.R. McLaughlin, P. Krishnan, W. Wu, M. Slak Rupnik, A. Takasu, T. Senda, C.-C. Lee, T. Kono, and C. Evans-Molina
- 1446** Glucose Controls Glucagon Secretion by Regulating Fatty Acid Oxidation in Pancreatic α -Cells
 S.L. Armour, A. Frueh, M.V. Chibalina, H. Dou, L. Argemi-Muntadas, A. Hamilton, G. Katzilieris-Petras, P. Carmeliet, B. Davies, T. Moritz, L. Eliasson, P. Rorsman, and J.G. Knudsen
- 1460** Verapamil Prevents Decline of IGF-I in Subjects With Type 1 Diabetes and Promotes β -Cell IGF-I Signaling
G. Xu, J. Chen, B. Lu, P. Sethupathy, W.-J. Qian, and A. Shalev

IMMUNOLOGY AND TRANSPLANTATION

- 1470** A Plasma miR-193b-365 Signature Combined With Age and Glycemic Status Predicts Response to *Lactococcus lactis*–Based Antigen-Specific Immunotherapy in New-Onset Type 1 Diabetes
G. Sassi, G. Licata, G. Ventriglia, A. Wouters, P. Lemaitre, R. Seurinck, A. Mori, G.E. Grieco, S. Bissenova, D. Ellis, S. Caluwaerts, P. Rottiers, N. Vandamme, C. Mathieu, F. Dotta, C. Gysemans, and G. Sebastiani

PATHOPHYSIOLOGY

- 1483** Intramyocellular Triglyceride Content During the Early Course of Type 1 and Type 2 Diabetes
M. Schön, O.P. Zaharia, K. Strassburger, Y. Kupriyanova, K. Bódis, G. Heilmann, A. Strom, G.J. Bönhof, F. Michelotti, I. Yurchenko, C. Möser, M. Huttasch, M. Bombrich, M. Kelm, V. Burkart, V.B. Schrauwen-Hinderling, R. Wagner, and M. Roden, for the GDS Group

Keep up with the latest information for *Diabetes* and other ADA titles via Facebook (/ADAPublications) and X (@ADA_Pubs and @Diabetes_ADA).

All articles in *Diabetes* are available online at diabetesjournals.org/. *Diabetes* articles are available free to subscribers, or can be purchased as e-prints or reprints.

ADA's *Diabetes Core Update* podcast is available at diabetesjournals.org and through iTunes.

Icons shown below appear on the first page of an article if more information is available online.



Video



Podcast



Supplementary Data



Companion Article



Paper of the Month

COMPLICATIONS

- 1493** Ceramides as Risk Markers for Future Cardiovascular Events and All-Cause Mortality in Long-standing Type 1 Diabetes
A. Wretling, V.R. Curovic, T. Suvitaival, S. Theilade, N. Tofte, S.A. Winther, T. Vilsbøll, H. Vestergaard, P. Rossing, and C. Legido-Quigley

GENETICS/GENOMES/PROTEOMICS/METABOLOMICS

- 1502** Lysine 117 Residue Is Essential for the Function of the Hepatocyte Nuclear Factor 1 α
Y. Chu, L. Zhao, X. Liu, H. Chen, C. Zhao, S. Chen, S. Xiang, J. Lu, X. Wang, Y. Wan, D. Dong, S. Yao, C. Li, R. Yin, G. Ren, X. Yang, and M. Yu

ISSUES AND EVENTS

- 1517** Issues and Events