

IN THIS ISSUE

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

CLASSICS IN DIABETES

- 335** The Complexities of Intestinal Lipoprotein Production in Insulin Resistance and Diabetes: Revisiting a 2010 *Diabetes* Classic by Pavlic et al.
G.F. Lewis and E.E. Mulvihill

PERSPECTIVES IN DIABETES

- 338** Wiring the Brain for Wellness: Sensory Integration in Feeding and Thermogenesis: A Report on Research Supported by Pathway to Stop Diabetes
C.E. Riera

DIABETES SYMPOSIUM

- 348** The Afferent Function of Adipose Innervation
Y. Wang and L. Ye

COMMENTARIES

- 355** Assessment of Tissue-Specific Glucose Uptake: Teaching an Old 2-DOG New Tricks
M.C. Petersen and M.J. Jurczak
- 357** A New Mitochondrial Uncoupler Improves Metabolic Homeostasis in Mice
G. Ramshankar and R.J. Perry

METABOLISM

- 359** Dual Tracer Test to Measure Tissue-Specific Insulin Action in Individual Mice Identifies In Vivo Insulin Resistance Without Fasting Hyperinsulinemia
H.B. Cutler, S. Madsen, S.W.C. Masson, K.C. Cooke, M. Potter, J.G. Burchfield, J. Stöckli, M.E. Nelson, G.J. Cooney, and D.E. James
- 374** Liver-Selective Imidazolopyrazine Mitochondrial Uncoupler SHD865 Reverses Adiposity and Glucose Intolerance in Mice
M. Beretta, Y. Dai, E.M. Olzomer, C.S. Vancuylenburg, J.A. Santiago-Rivera, A.M. Philp, S.R. Hargett, K. Li, D.P. Shah, S.-Y. Chen, S.J. Alexopoulos, C. Li, T.E. Harris, B. Lee, M. Wathier, J.M. Cermak, S.P. Tucker, N. Turner, D.A. Bayliss, A. Philp, F.L. Byrne, W.L. Santos, and K.L. Hoehn

- 385** Increased Plasma Branched Short-Chain Fatty Acids and Improved Glucose Homeostasis: The Microbiome and Insulin Longitudinal Evaluation Study (MILES)

A. Aslany, A.C. Wood, E.T. Jensen, A.G. Bertoni, P.A. Sheridan, K.E. Wong, G. Ramesh, J.I. Rotter, Y.-D.I. Chen, and M.O. Goodarzi

- 391** Critical Evaluation of Indices Used to Assess β -Cell Function
C. Cao, H.-C.E. Koh, D.N. Reeds, B.W. Patterson, S. Klein B. Mittendorfer

- 401** Interactive Effects of Empagliflozin and Hyperglycemia on Urinary Amino Acids in Individuals With Type 1 Diabetes
L. Kugathasan, V.S. Sridhar, L.E. Lovblom, S. Matta, A. Saliba, S. Debnath, F.M. AlAkwa, V. Nair, P. Bjornstad, M. Kretzler, B.A. Perkins, K. Sharma, and D.Z.I. Cherney

- 412** High Doses of Exogenous Glucagon Stimulate Insulin Secretion and Reduce Insulin Clearance in Healthy Humans
S.M. Gray, E. Goonatileke, M.A. Emrick, J.O. Becker, A.N. Hoofnagle, D. Stefanovski, W. He, G. Zhang, J. Tong, J. Campbell, and D.A. D'Alessio

- 426** Acute Activation of GFRAL in the Area Postrema Contributes to Glucose Regulation Independent of Weight
S.-Y. Zhang, Z. Danaei, K. Bruce, J.F.M. Chiu, and T.K.T. Lam

ISLET STUDIES

- 434** PTPN2 Regulates Metabolic Flux to Affect β -Cell Susceptibility to Inflammatory Stress
Y.K. Kim, Y.R. Kim, K.L. Wells, D. Sarbaugh, M. Guney, C.-F. Tsai, T. Zee, G. Karsenty, E.S. Nakayasu, and L. Sussel
- 448** RFX6 Maintains Gene Expression and Function of Adult Human Islet α -Cells
V.M.N. Coykendall, M.F. Qian, K. Tellez, A. Bautista, R.J. Bevacqua, X. Gu, Y. Hang, M. Neukam, W. Zhao, C. Chang, P.E. MacDonald, and S.K. Kim
- 461** A Translational Regulatory Mechanism Mediated by Hypusinated Eukaryotic Initiation Factor 5A Facilitates β -Cell Identity and Function
C.T. Connors, C.B.P. Villaca, E.K. Anderson-Baucum, S.R. Rosario, C.D. Rutan, P.J. Childress, L.R. Padgett, M.A. Robertson, and T.L. Mastracci

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*, are available free to subscribers, or can be purchased as e-prints or reprints.

ADA's *Diabetes Core Update* and *DiabetesBio* podcasts are 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

- 474** Overexpression of UBE2E2 in Mouse Pancreatic β -Cells Leads to Glucose Intolerance via Reduction of β -Cell Mass
Y. Sakurai, N. Kubota, I. Takamoto, N. Wada, M. Aihara, T. Hayashi, T. Kubota, Y. Hiraike, T. Sasako, H. Nakao, A. Aiba, Y. Chikaoka, T. Kawamura, T. Kadowaki, and T. Yamauchi

COMPLICATIONS

- 490** Increased Subclinical Coronary Artery Pathology in Type 2 Diabetes With Albuminuria
I.K.B. Rasmussen, A.-C. Skriver-Moeller, R.S. Ripa, P. Hasbak, V.S. Wasehuus, K. Hadji-Turdeghal, E.H. Zobel, M.L. Lassen, L. Holmvang, P. Slomka, P. Rossing, A. Kjaer, and T.W. Hansen
- 497** Discovery of a Novel Benzothiadiazine-Based Selective Aldose Reductase Inhibitor as Potential Therapy for Diabetic Peripheral Neuropathy
R. Jin, J. Wang, M. Li, T. Tang, Y. Feng, S. Zhou, H. Xie, H. Feng, J. Guo, R. Fu, J. Liu, Y. Tang, Y. Shi, H. Guo, Y. Wang, F. Nie, and J. Li

GENETICS/GENOMES/PROEOMICS/METABOLOMICS

- 511** Multiomics Analyses With Stool-Type Stratification in Patient Cohorts and *Blautia* Identification as a Potential Bacterial Modulator in Type 2 Diabetes Mellitus
Q. Guo, Z. Gao, L. Zhao, H. Wang, Z. Luo, D. Vandeputte, L. He, M. Li, S. Di, Y. Liu, J. Hou, X. Jiang, H. Zhu, and X. Tong

ISSUES AND EVENTS

- 528** Issues and Events