

DIABETES SPOTLIGHT

- 1035** *Diabetes Spotlight: Carmella Evans-Molina, MD, PhD—Charting β -Cell Dysfunction to Delay the Onset of Type 1 Diabetes*
B. Page

PERSPECTIVES IN DIABETES

- 1037** *What Is Gestational Diabetes—Really?*
T.A. Buchanan, A.H. Xiang, K.A. Page, and R.M. Watanabe

COMMENTARY

- 1047** *Mapping Macrophage-Fibroblast Interactions in Adipose Tissue Fibrosis*
H. Nahmgoong and J.B. Kim

SPECIAL COLLECTION: NIDDK 75TH ANNIVERSARY

- 1050** *NIDDK at 75 Years of Age: Great Triumphs but Concerns for Its Longevity*
S.E. Kahn, C.A.M. Anderson, J.B. Buse, E. Selvin, and D.A. D'Alessio
- 1053** *NIDDK: Celebrating 75 Years of Advancing Diabetes Research*
W.T. Cefalu, R.J. Cerio, C.M. Silva, J.A. Wallace, and G.P. Rodgers
- 1057** *Closing the Gap Between Vision and Victory in Type 1 Diabetes: The NIDDK Human Islet Research Network (HIRN) Initiative*
A.V. Parent, A. Agarwal, J.R. Alvarez-Dominguez, R. Arrojo e Drigo, M.A. Atkinson, M.A. Brehm, L.M.R. Ferreira, K.H. Kaestner, V. Kravets, J.C. Niland, D. O'Meally, L. Rouse, H.A. Russ, C.L. Stabler, and J.S. Kaddis
- 1068** *Advances in Cell Replacement Therapies for Diabetes*
B.J. Hering, M.R. Rickels, M.D. Bellin, J.R. Millman, A.A. Tomei, A.J. García, H. Shirwan, C.L. Stabler, M. Ma, P. Yi, X. Luo, Q. Tang, S. Ramachandran, J. Oberholzer, C. Ricordi, T.J. Kieffer, and A.M.J. Shapiro
- 1078** *The Cardiovascular Repository for Type 1 Diabetes (CaRe-T1D): An NIDDK Initiative to Advance Understanding of Mechanisms Underlying Cardiovascular Disease in Type 1 Versus Type 2 Diabetes*
T.L.Z. Jones, I. Kusmartseva, S. Litovsky, R. Thakar, A.L. Posgai, R.H. Eckel, and M.A. Atkinson

- 1089** *Accelerating Medicines Partnership in Type 2 Diabetes and Common Metabolic Diseases: Collaborating to Maximize the Value of Genetic and Genomic Data*

M.C. Costanzo, B. Akolkar, M. Claussnitzer, J.C. Florez, A.L. Gloyn, S.F.A. Grant, K.H. Kaestner, A.K. Manning, K.L. Mohlke, S.C.J. Parker, P.M. Titchenell, M.S. Udler, M.A. Jones, T.N. Kamphaus, R.A. Fischer, M.I. McCarthy, M.R. Miller, M. Boehnke, AMP T2D Consortium, AMP CMD Consortium, J. Flannick, and N.P. Burt

- 1099** *Celebrating the Past, Present, and Future of NIDDK-Supported Research Centers Focused on Diabetes, Endocrinology, and Metabolic Diseases*
C.M. Silva, P.L. Thornton, S. Artis Dickerson, T.L. Eggerman, M.R. Laughlin, J.A. Wallace, M.C. Hanlon-Tilghman, and W.T. Cefalu

METABOLISM

- 1107** *DA-1241, a GPR119 Agonist, Ameliorates Fatty Liver Through the Upregulation of TFEB-Mediated Autophagy*
J. Yoo, J.E. Jun, I.-K. Jeong, K.J. Ahn, H.Y. Chung, M.-S. Lee, and Y.-C. Hwang
- 1121** *Analysis of Multiple Insulin Actions in Single Muscle Fibers From Insulin-Resistant Mice Reveals Selective Defect in Endogenous GLUT4 Translocation*
S. Judge, S.W.C. Masson, S. Madsen, M. Potter, D.E. James, J.G. Burchfield, and A. Diaz-Vegas

OBESITY STUDIES

- 1135** *Novel Cell-to-Cell Communications Between Macrophages and Fibroblasts Regulate Obesity-Induced Adipose Tissue Fibrosis*
H. Kohda, M. Tanaka, S. Shichino, S. Arakawa, T. Komori, A. Ito, E. Wada, K. Ochi, X. Yuan, T. Takeda, A. Saiki, I. Tatsuno, K. Ikeda, Y. Miyai, A. Enomoto, Y. Morikawa, S. Shimizu, S. Ueha, K. Matsushima, Y. Ogawa, and T. Suganami
- 1153** *BAP1 Suppresses White Adipose Tissue Browning and Thermogenesis Through Deubiquitinating KDM1B*
P. Wang, J. Zhu, L. Yang, Y. Wang, M. Liang, F. Li, Z. Wang, K. Liu, M. Ai, D. Li, K. Huang, and M. Du

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

Diabetes is available online at diabetesjournals.org/diabetes. All articles are freely available 12 months after publication, with select content always free to read. Accessible formats are available for articles published July 2025 and later. Request an accessible version of earlier content at diabetesjournals.org/pages/accessibility.

ADA's *Diabetes Core Update* and *DiabetesBio* podcasts are available at diabetesjournals.org/journals/pages/podcasts.

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

- 1168** Identifying Four Obesity Axes Through Integrative Multiomics and Imaging Analysis
C.S. Odoemelam, A. Naz, M. Thanaj, E.P. Sorokin, B. Whitcher, N. Sattar, J.D. Bell, E.L. Thomas, M. Cule, and H. Yaghootkar

ISLET STUDIES

- 1184** Surface Modification of Islets With L-DOPA-KF7 Enhances Islet Survival by Inhibiting IBMIR in Intrahepatic Islet Transplantation
D. Yang, B. Qiao, F. Bai, J. Duan, H. Ji, X. Ma, Z. Lin, Y. Hou, X. He, X. Zhu, B. Zhuang, X. Xie, and A. Hu

PATHOPHYSIOLOGY

- 1196** The Disposition Index in Autoantibody-Positive Individuals at Risk for Type 1 Diabetes
H.M. Ismail, D. Cuthbertson, A. Galderisi, I. Libman, L. Jacobsen, A. Moran, A. Petrelli, M. Atkinson, M.J. Redondo, T. Hannon, K.J. Mather, and J.M. Sosenko

COMPLICATIONS

- 1205** miR-214 and Its Primary Transcript *Dnm3os* Regulate Fibrosis and Inflammation Through RAGE Signaling in Diabetic Kidney Disease
S. Hagiwara, J. Okabe, M. Ziemann, B. Drew, M. Murakoshi, K.C. Sourris, A.D. McClelland, M. Bose, E.I. Ekinci, M.T. Coughlan, A. Laskowski, H. Sakuma, T. Gohda, Y. Suzuki, M.E. Cooper, and P. Kantharidis
- 1220** Neuroprotective Effect of a Novel Soluble Guanylate Cyclase Activator Runcaciguat in Diabetic and Ischemic Retinopathy
E.J. Duh, Z. Xu, H. Cho, S. Wu, W. Schubert, C. Terjung, F. Baschiera, L. Zhou, L. Wu, G. Lee, Y. Xie, Q. Hui, J. Guerra, J. Mertz, and K. Nassar
- 1233** G Protein-Coupled Receptor 35 Suppresses Oxidative Stress Responsive Kinase 1 in Diabetic Wound Healing
H. Li, L. Xu, S.P. Meda Venkata, M. Minjares, H. Melhem, A. Kowluru, J.H. Niess, G. Milligan, and J.-M. Wang

- 1247** Targeting tsRNA-1797 Alleviates Diabetes-Induced Vascular Dysfunction Through Modulating Purine Metabolism
D. Li, J. Zhang, X. Han, L. Kong, Y. Zhang, M. Yao, L. Ren, W. Mu, Q. Jiang, and B. Yan

PHARMACOLOGY AND THERAPEUTICS

- 1262** A Randomized Controlled, Double-Masked, Crossover Study of a GPR119 Agonist on Glucagon Counterregulation During Hypoglycemia in Type 1 Diabetes
A. Bilal, A. Casu, F. Yi, T. Dutta, J.M. Mucinski, G. Mercouffer, M.C. Marak, M. Hompesch, D. Kelley, and R.E. Pratley
- 1273** Liraglutide Treatment Reverses Unconventional Cellular Defects in Induced Pluripotent Stem Cell-Derived β -Cells Harboring a Partially Functional *WFS1* Variant
S. Torchio, G. Siracusano, F. Cuozzo, V. Zamarian, S. Pellegrini, F. Manenti, R. Bonfanti, G. Frontino, V. Sordi, R. Chimienti, and L. Piemonti

GENETICS/GENOMES/PROTEOMICS/METABOLOMICS

- 1289** Are Polymorphisms Within the Fructosamine-3-Kinase Gene Associated With the Discordance Between HbA_{1c} and Other Measures of Glycemia?
D.D. Motshwari, C. George, E.N. Ngwa, A.E. Zemlin, A.P. Kengne, G.M. Davison, R.T. Erasmus, and T.E. Matsha
- 1300** Genetic Variations in *GCKR* and *PNPLA3* Regulate Metabolic Balance Across the Liver
Y. Ma, S. Zuo, T. Lo, D. Phan, T. Finley, A. Mackay, E. Trigo, J.A. Hartiala, H. Allayee, A.H. Xiang, T.A. Buchanan, and R.M. Watanabe

ISSUES AND EVENTS

- 1310** Issues and Events

e-LETTERS – COMMENTS AND RESPONSES

- e12** Deciphering Macrophage-Fibroblast Cross Talk in Obesity-Induced Adipose Tissue Fibrosis: Insights From Single-Cell and Spatial Transcriptomics
X. Wu, J. Peng, and C. Jin