

PERSPECTIVES IN DIABETES

- 1603** Pima Indian Contributions to Our Understanding of Diabetic Kidney Disease
R.G. Nelson, W.C. Knowler, M. Kretzler, K.V. Lemley, H.C. Looker, M. Mauer, W.E. Mitch, B. Najafian, and P.H. Bennett

COMMENTARIES

- 1617** Glycemic Variability and KIM-1–Induced Inflammation in the Diabetic Kidney
K.R. Tuttle and R.Z. Alicic
- 1620** Heal Thyself: SGLT2 Inhibition Limits Regenerative Cell Exhaustion and Heals Damaged Vessels
D.A. Hess, D.C. Terenzi, and S. Verma

WOMEN IN DIABETES LEADERSHIP

- 1623** The Women's Leadership Gap in Diabetes: A Call for Equity and Excellence
J.L. Dunne, J.L. Maizel, A.L. Posgai, M.A. Atkinson, and L.A. DiMeglio
- 1634** Career Advancement for Women in Diabetes-Related Research: Developing and Retaining Female Talent
D.A. Sandoval, L.C. Alonso, M. Gannon, M. Sander, L. Sussel, and J.E.B. Reusch
- 1638** Women and the American Diabetes Association
C.E. Munoz, R.S. Weinstock, T.D. Brown, and R.A. Gabbay

METABOLISM

- 1640** Lack of Brain Insulin Receptor Substrate-1 Causes Growth Retardation, With Decreased Expression of Growth Hormone–Releasing Hormone in the Hypothalamus
T. Hayashi, T. Kubota, I. Mariko, I. Takamoto, M. Aihara, Y. Sakurai, N. Wada, T. Miki, T. Yamauchi, N. Kubota, and T. Kadowaki
- 1654** HOXC10 Suppresses Browning to Maintain White Adipocyte Identity
H.Y.A. Tan, M.F.M. Sim, S.-X. Tan, Y. Ng, S.Y. Gan, H. Li, S.P. Neo, J. Gunaratne, F. Xu, and W. Han
- 1664** Depletion of *Prmt1* in Adipocytes Impairs Glucose Homeostasis in Diet-Induced Obesity
S. Choi, D. Choi, Y.-K. Lee, S.H. Ahn, J.K. Seong, S.W. Chi, T.J. Oh, S.H. Choi, and S.-H. Koo

OBESITY STUDIES

- 1679** An Intronic Risk SNP rs12454712 for Central Obesity Acts As an Allele-Specific Enhancer To Regulate *BCL2* Expression
S.-S. Dong, D.-L. Zhu, X.-R. Zhou, Y. Rong, M. Zeng, J.-B. Chen, F. Jiang, X.-M. Tuo, Z. Feng, T.-L. Yang, and Y. Guo

ISLET STUDIES

- 1689** Metformin Perturbs Pancreatic Differentiation From Human Embryonic Stem Cells
L. Nguyen, L.Y. Lim, S.S.L. Ding, N.S. Amirruddin, S. Hoon, S.-Y. Chan, and A.K.K. Teo
- 1703** Nuclear Factor- γ in Mouse Pancreatic β -Cells Plays a Crucial Role in Glucose Homeostasis by Regulating β -Cell Mass and Insulin Secretion
Y. Liu, S. He, R. Zhou, X. Zhang, S. Yang, D. Deng, C. Zhang, X. Yu, Y. Chen, and Z. Su
- 1717** Mitochondrial Efflux of Citrate and Isocitrate Is Fully Dispensable for Glucose-Stimulated Insulin Secretion and Pancreatic Islet β -Cell Function
C.J. Bauchle, K.E. Rohli, C.K. Boyer, V. Pal, J.V. Rocheleau, S. Liu, Y. Imai, E.B. Taylor, and S.B. Stephens

IMMUNOLOGY AND TRANSPLANTATION

- 1729** The Repertoire of Newly Developing Regulatory T Cells in the Type 1 Diabetes-Prone NOD Mouse Is Very Diverse
A. Galindo-Albarrán, S. Castan, J.C. Santamaria, O.P. Joffre, B. Haegeman, P. Romagnoli, and J.P.M. van Meerwijk

PATHOPHYSIOLOGY

- 1738** Tribbles Homolog 3 Mediates the Development and Progression of Diabetic Retinopathy
P.M. Pitale, I.V. Saltykova, Y. Adu-Agyeiwaah, S. Li Calzi, T. Satoh, S. Akira, O. Gorbatyuk, M.E. Boulton, M.T. Pardue, W.T. Garvey, M. Athar, M.B. Grant, and M.S. Gorbatyuk

COMPLICATIONS

- 1754** T-Cell Expression and Release of Kidney Injury Molecule-1 in Response to Glucose Variations Initiates Kidney Injury in Early Diabetes
J.M. Forbes, D.A. McCarthy, A.J. Kassianos, T. Baskerville, A.K. Fotheringham, K.T.K. Giuliani, A. Grivei, A.J. Murphy, M.C. Flynn, M.A. Sullivan, P. Chandrashekar, R. Whiddett, K.J. Radford, N. Flemming, S.S. Beard, N. D'Silva, J. Nisbet, A. Morton, S. Teasdale, A. Russell, N. Isabel, T. Jones, J. Couper, H. Healy, M. Harris, K. Donaghue, D.W. Johnson, A. Cotterill, H.L. Barrett, and T. O'Moore-Sullivan

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Companion Article

- 1767** Inhibition of SGLT2 Rescues Bone Marrow Cell Traffic for Vascular Repair: Role of Glucose Control and Ketogenesis
M. Albiero, S. Tedesco, F.I. Amendolagine, M. D'Anna, L. Migliozzi, G. Zuccolotto, A. Rosato, R. Cappellari, A. Avogaro, and G.P. Fadini

PHARMACOLOGY AND THERAPEUTICS

- 1780** Hijacking Dorsal Raphe to Improve Metabolism and Depression-Like Behaviors via BDNF Gene Transfer in Mice
J. Xiu, R. Han, Z. Liu, J. Li, S. Liu, Y. Shen, Y.-Q. Ding, and Q. Xu
- 1794** Investigating the Neuroprotective Effect of Oral Omega-3 Fatty Acid Supplementation in Type 1 Diabetes (nPROOFS1): A Randomized Placebo-Controlled Trial
A.C. Britten-Jones, J.T. Kamel, L.J. Roberts, S. Braat, J.P. Craig, R.J. MacIsaac, and L.E. Downie
- 1807** Impact of Lower Versus Higher LDL Cholesterol Targets on Cardiovascular Events After Ischemic Stroke in Patients With Diabetes
P. Amarenco, J.S. Kim, J. Labreuche, H. Charles, M. Giroud, B.-C. Lee, P.C. Lavallée, M.-H. Mahagne, E. Meseguer, N. Nighoghossian, P.G. Steg, É. Vicaut, and E. Bruckert, on behalf of the Treat Stroke to Target Investigators

GENETICS/GENOMES/PROTEOMICS/METABOLOMICS

- 1816** Stratification of Type 2 Diabetes by Age of Diagnosis in the UK Biobank Reveals Subgroup-Specific Genetic Associations and Causal Risk Profiles
R. Noordam, K. Läll, R.A.J. Smit, T. Laisk, R.J.F. Loos, R. Mägi, K. Willems van Dijk, and D. van Heemst
- 1826** Tissue-Specific Splicing and Dietary Interaction of a Mutant *As160* Allele Determine Muscle Metabolic Fitness in Rodents
X. Yang, Q. Chen, Q. Ouyang, P. Rong, W. Feng, C. Quan, M. Li, Q. Jiang, H. Liang, T.-J. Zhao, H.Y. Wang, and S. Chen
- 1843** Genetic Evidence for Different Adiposity Phenotypes and Their Opposing Influences on Ectopic Fat and Risk of Cardiometabolic Disease
S. Martin, M. Cule, N. Basty, J. Tyrrell, R.N. Beaumont, A.R. Wood, T.M. Frayling, E. Sorokin, B. Whitciker, Y. Liu, J.D. Bell, E.L. Thomas, and H. Yaghoobkar
- 1857** Peripheral Insulin Regulates a Broad Network of Gene Expression in Hypothalamus, Hippocampus, and Nucleus Accumbens
W. Cai, X. Zhang, T.M. Batista, R. García-Martín, S. Softic, G. Wang, A.K. Ramirez, M. Konishi, B.T. O'Neill, J.H. Kim, J.K. Kim, and C.R. Kahn

- 1874** Genotype-Structure-Phenotype Correlations of Disease-Associated IGF1R Variants and Similarities to Those of INSR Variants
J. Hosoe, Y. Kawashima-Sonoyama, F. Miya, H. Kadowaki, K. Suzuki, T. Kato, F. Matsuzawa, S.-I. Aikawa, Y. Okada, T. Tsunoda, K. Hanaki, S. Kanzaki, N. Shojima, T. Yamauchi, and T. Kadowaki

- 1885** Monogenic Diabetes and Integrated Stress Response Genes Display Altered Gene Expression in Type 1 Diabetes
H. Hiller, D.E. Beachy, J.J. Lebowitz, S. Engler, J.R. Mason, D.R. Miller, I. Kusmarteva, L.M. Jacobsen, A.L. Posgai, H. Khoshbouei, R.A. Oram, D.A. Schatz, A.T. Hattersley, B. Bodenmiller, M.A. Atkinson, H.S. Nick, and C.H. Wasserfall
- 1898** Metabolomics Profiling of Patients With A-β+ Ketosis-Prone Diabetes During Diabetic Ketoacidosis
F. Jahoor, J.W. Hsu, P.B. Mehta, K.R. Keene, R. Gaba, S.N. Mulukutla, E. Caducoy, W.F. Peacock, S.G. Patel, R. Bennet, A. Lemmark, and A. Balasubramanyam

STATEMENTS OF RETRACTION

- 1910** Statement of Retraction. Christopher Lipina, Clare Stretton, Simon Hastings, Jonathan S. Hundal, Ken Mackie, Andrew J. Irving, and Harinder S. Hundal. Regulation of MAP Kinase-Directed Mitogenic and Protein Kinase B-Mediated Signaling by Cannabinoid Receptor Type 1 in Skeletal Muscle Cells. *Diabetes* 2010;59:375-385. DOI: 10.2337/db09-0979. PMID: 19933999. PMCID: PMC2809953
American Diabetes Association
- 1911** Statement of Retraction. Christopher Lipina, Katherine Macrae, Tamara Suhm, Cora Weigert, Agnieszka Blachnio-Zabielska, Marcin Baranowski, Jan Gorski, Karl Burgess, and Harinder S. Hundal. Mitochondrial Substrate Availability and Its Role in Lipid-Induced Insulin Resistance and Proinflammatory Signaling in Skeletal Muscle. *Diabetes* 2013;62:3426-3436. DOI: 10.2337/db13-0264. PMID: 23733201. PMCID: PMC3781443
American Diabetes Association
- 1912** Statement of Retraction. Qilong Wang, Zhonglin Xie, Wencheng Zhang, Jun Zhou, Yue Wu, Miao Zhang, Huaiping Zhu, and Ming-Hui Zou. Myeloperoxidase Deletion Prevents High-Fat Diet-Induced Obesity and Insulin Resistance. *Diabetes* 2014;63:4172-4185. DOI: 10.2337/db14-0026. PMID: 25024373. PMCID: PMC4238009
American Diabetes Association

ISSUES AND EVENTS

- 1913** Issues and Events

On the cover: Image depicts pancreatic β-cells showcasing the intricacies of the mitochondrial networks. Nuclei are blue, mitochondrial networks are green, and insulin granules are white. The image was built from immunostained β-cells acquired as z-stacks taken by confocal microscopy and then surface-rendered based on the immunostaining using Imaris (Bitplane) software. Image courtesy of Samuel B. Stephens, University of Iowa, Iowa City, IA. The article by Stephens and colleagues, "Mitochondrial Efflux of Citrate and Isocitrate Is Fully Dispensable for Glucose-Stimulated Insulin Secretion and Pancreatic Islet β-Cell Function," appears in this issue of *Diabetes* (p. 1717).