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- 2238** Updating the Role of α -Cell Preproglucagon Products on GLP-1 Receptor-Mediated Insulin Secretion
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- 2246** Noninvasive Monitoring of Glycemia-Induced Regulation of GLP-1R Expression in Murine and Human Islets of Langerhans
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- 2267** Mechanisms Underlying Absent Training-Induced Improvement in Insulin Action in Lean, Hyperandrogenic Women With Polycystic Ovary Syndrome
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- 2281** The RabGAPs TBC1D1 and TBC1D4 Control Uptake of Long-Chain Fatty Acids Into Skeletal Muscle via Fatty Acid Transporter SLC27A4/FATP4
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- 2294** Muscle-Specific Insulin Receptor Overexpression Protects Mice From Diet-Induced Glucose Intolerance but Leads to Postreceptor Insulin Resistance
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- 2310** A TRAIL-TL1A Paracrine Network Involving Adipocytes, Macrophages, and Lymphocytes Induces Adipose Tissue Dysfunction Downstream of E2F1 in Human Obesity
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- 2324** Manipulation of Dietary Amino Acids Prevents and Reverses Obesity in Mice Through Multiple Mechanisms That Modulate Energy Homeostasis
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- 2352** β -Cell-Specific Deletion of HMG-CoA (3-hydroxy-3-methylglutaryl-coenzyme A) Reductase Causes Overt Diabetes due to Reduction of β -Cell Mass and Impaired Insulin Secretion
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- 2364** A Computational Approach for Defining a Signature of β -Cell Golgi Stress in Diabetes
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- 2377** VMAT2 Safeguards β -Cells Against Dopamine Cytotoxicity Under High-Fat Diet-Induced Stress
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- 2392** Intracrine Testosterone Activation in Human Pancreatic β -Cells Stimulates Insulin Secretion
W. Xu, L. Schiffer, M.M.F. Qadir, Y. Zhang, J. Hawley, P. Mota De Sa, B.G. Keevil, H. Wu, W. Arlt, and F. Mauvais-Jarvis

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Video



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Supplementary Data



Companion Article

IMMUNOLOGY AND TRANSPLANTATION

- 2400** Persistent IL-2 Receptor Signaling by IL-2/CD25 Fusion Protein Controls Diabetes in NOD Mice by Multiple Mechanisms
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- 2414** Protection of Pancreatic Islets Using Theranostic Silencing Nanoparticles in a Baboon Model of Islet Transplantation
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- 2423** Analysis of the Composition and Functions of the Microbiome in Diabetic Foot Osteomyelitis Based on 16S rRNA and Metagenome Sequencing Technology
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- 2440** Longitudinal Plasma Kallikrein Levels and Their Association With the Risk of Cardiovascular Disease Outcomes in Type 1 Diabetes in DCCT/EDIC
M.A. Jaffa, I. Bebu, D. Luttrell, B.H. Braffett, J.M. Lachin, K. Hunt, M. Lopes-Virella, L. Luttrell, T.J. Lyons, A.A. Jaffa, and the DCCT/EDIC Research Group
- 2446** YAP Activation in Renal Proximal Tubule Cells Drives Diabetic Renal Interstitial Fibrogenesis
J. Chen, X. Wang, Q. He, N. Bulus, A.B. Fogo, M.-Z. Zhang, and R.C. Harris
- 2458** Structural Alterations in Deep Brain Structures in Type 1 Diabetes
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- 2467** A Multifunctional Role of Leucine-Rich α -2-Glycoprotein 1 in Cutaneous Wound Healing Under Normal and Diabetic Conditions
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PHARMACOLOGY AND THERAPEUTICS

- 2481** Anti-Insulin Receptor Antibodies Improve Hyperglycemia in a Mouse Model of Human Insulin Receptoropathy
G.V. Brierley, H. Webber, E. Rasjjeff, S. Grocott, K. Siddle, and R.K. Semple

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- 2490** Integrative Omics Analyses Reveal Epigenetic Memory in Diabetic Renal Cells Regulating Genes Associated With Kidney Dysfunction
A. Bansal, S. Balasubramanian, S. Dhawan, A. Leung, Z. Chen, and R. Natarajan
- 2503** Epigenetic Changes in Islets of Langerhans Preceding the Onset of Diabetes
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- 2518** Large-Scale Analyses Provide No Evidence for Gene-Gene Interactions Influencing Type 2 Diabetes Risk
A. Nag, M.I. McCarthy, and A. Mahajan
- 2523** Next-Generation HLA Sequence Analysis Uncovers Seven HLA-DQ Amino Acid Residues and Six Motifs Resistant to Childhood Type 1 Diabetes
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STATEMENTS OF RETRACTION

- 2536** Statement of Retraction. Iria Nieto-Vázquez, Sonia Fernández-Veledo, Cristina de Alvaro, Cristina M. Rondinone, Angela M. Valverde, and Margarita Lorenzo. Protein-Tyrosine Phosphatase 1B-Deficient Myocytes Show Increased Insulin Sensitivity and Protection Against Tumor Necrosis Factor- α -Induced Insulin Resistance. *Diabetes* 2007;56:404–413. <https://doi.org/10.2337/db06-0989>
- 2537** Statement of Retraction. Iria Nieto-Vázquez, Sonia Fernández-Veledo, Cristina de Alvaro, and Margarita Lorenzo. Dual Role of Interleukin-6 in Regulating Insulin Sensitivity in Murine Skeletal Muscle. *Diabetes* 2008;57:3211–3221. <https://doi.org/10.2337/db07-1062>
- 2538** Statement of Retraction. Lucia Garcia-Guerra, Iria Nieto-Vázquez, Rocio Vila-Bedmar, María Jurado-Pueyo, Guillermo Zalba, Javier Díez, Cristina Murga, Sonia Fernández-Veledo, Federico Mayor, and Margarita Lorenzo. G Protein-Coupled Receptor Kinase 2 Plays a Relevant Role in Insulin Resistance and Obesity. *Diabetes* 2010;59:2407–2417. <https://doi.org/10.2337/db10-0771>

ISSUES AND EVENTS

- 2539** Issues and Events

On the cover: Confocal microscopy of a representative pancreas section from 5-week-old mice lacking HMG-CoA reductase in β -cells with immunofluorescent antibodies for insulin (red), glucagon (green), and DAPI (blue). The β -cell mass was reduced, and the normal architecture of the islets was lost. Image courtesy of Shun Ishibashi, Division of Endocrinology and Metabolism, Department of Internal Medicine, Jichi Medical University School of Medicine, Shimotsuke, Tochigi, Japan. This image is a version of Fig. 6A in the article by Takei et al., “ β -Cell-Specific Deletion of HMG-CoA (3-hydroxy-3-methylglutaryl-coenzyme A) Reductase Causes Overt Diabetes due to Reduction of β -Cell Mass and Impaired Insulin Secretion,” which appears in this issue of *Diabetes* (p. 2352).