

**IN THIS ISSUE**

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

**EDITOR'S NOTE**

- 531** A Special Thanks to the Reviewers of *Diabetes*

**PERSPECTIVES IN DIABETES**

- 533** Local Dialogues Between the Endocrine and Exocrine Cells in the Pancreas  
M. Slak Rupnik and M. Hara

**COMMENTARY**

- 542** Metabolic-Bariatric Surgery for Type 2 Diabetes: Time(ing) for a Change  
J.Q. Purnell

**ADA AWARD LECTURE**

- 545** The Ailing  $\beta$ -Cell in Diabetes: Insights From a Trip to the ER: The 2023 Outstanding Scientific Achievement Award Lecture  
C. Evans-Molina

**TECHNOLOGICAL ADVANCES**

- 554** DNA Methylation-Based Assessment of Cell Composition in Human Pancreas and Islets  
Z. Drawshy, D. Neiman, O. Fridlich, A. Peretz, J. Magenheim, A.V. Rozo, N.M. Doliba, D.A. Stoffers, K.H. Kaestner, D.A. Schatz, C. Wasserfall, M. Campbell-Thompson, J. Shapiro, T. Kaplan, R. Shemer, B. Glaser, A. Klochendler, and Y. Dor
- 565** Improved Specificity of Glutamate Decarboxylase 65 Autoantibody Measurement Using Luciferase-Based Immunoprecipitation System Assays  
R.C. Wyatt, S.L. Grace, C. Brigatti, I. Marzinotto, B.T. Gillard, D.K. Shoemark, K. Chandler, P. Achenbach, L. Piemonti, A.E. Long, K.M. Gillespie, V. Lampasona, and A.J.K. Williams, on behalf of The BOX Study Group

**METABOLISM**

- 572**  $\beta$ -Cell Function and Insulin Dynamics in Obese Patients With and Without Diabetes After Sleeve Gastrectomy  
X. Huang, Y. Zhao, T. Liu, D. Wu, J. Shu, W. Yue, W. Zhang, and S. Liu

**ISLET STUDIES**

- 585** KD025 Is a Casein Kinase 2 Inhibitor That Protects Against Glucolipotoxicity in  $\beta$ -Cells  
R. Devkota, J.C. Small, K. Carbone, M.A. Glass, A. Vetere, and B.K. Wagner

**IMMUNOLOGY AND TRANSPLANTATION**

- 592** Excess Salt Intake Activates IL-21-Dominant Autoimmune Diabetogenesis via a Salt-Regulated Ste20-Related Proline/Alanine-Rich Kinase in CD4 T Cells  
J.-J. Ciou, M.-W. Chien, C.-Y. Hsu, Y.-W. Liu, J.-L. Dong, S.-Y. Tsai, S.-S. Yang, S.-H. Lin, B.L.-J. Yen, S.-H. Fu, and H.-K. Sytwu

**PATHOPHYSIOLOGY**

- 604** Higher HbA<sub>1c</sub> Is Associated With Greater 2-Year Progression of White Matter Hyperintensities  
N. Schweitzer, S.J. Son, H. Aizenstein, S. Yang, B. Iordanova, C.H. Hong, H.W. Rho, Y.H. Cho, B. Park, N.-R. Kim, J.W. Choi, J.Y. Cheong, S.W. Seo, Y.-S. An, S.Y. Moon, S.J. Han, and M. Wu

**COMPLICATIONS**

- 611** Methylglyoxal Adducts Are Prognostic Biomarkers for Diabetic Kidney Disease in Patients With Type 1 Diabetes  
S.W.T. Lai, C. Hernandez-Castillo, E.D.J.L. Gonzalez, T. Zoukari, M. Talley, N. Paquin, Z. Chen, B.O. Roep, J.S. Kaddis, R. Natarajan, J. Termini, and S.C. Shuck

**GENETICS/GENOMES/PROTEOMICS/METABOLOMICS**

- 618** Therapeutic Targets for Diabetic Kidney Disease: Proteome-Wide Mendelian Randomization and Colocalization Analyses  
W. Zhang, L. Ma, Q. Zhou, T. Gu, X. Zhang, and H. Xing

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/](http://diabetesjournals.org/). All articles 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](http://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

- 628** Distinct Amino Acid Profile Characterizes Youth With or at Risk for Type 2 Diabetes  
F. Bacha, H. El-Ayash, M. Mohamad, S. Sharma, M. Puyau, R. Kanchi, and C. Coarfa
- 637** Human Genetic Variation at rs10071329 Correlates With Adiposity-Related Traits, Modulates *PPARGC1B* Expression, and Alters Brown Adipocyte Function  
M. Huang, R.B. Prasad, D.E. Coral, L. Hjort, D.T.R. Minja, H. Mulder, P.W. Franks, and S. Kalamajski

## ISSUES AND EVENTS

- 646** Issues and Events

---

*On the cover:* 3D structure of the ternary complex of TGF- $\beta$ 1, TGF- $\beta$  receptor I (T $\beta$ RI), and TGF- $\beta$  receptor II (T $\beta$ RII). The mature TGF- $\beta$ 1 dimer binds to T $\beta$ RII and is then recruited to T $\beta$ RI, which activates the TGF- $\beta$ 1 downstream signaling pathway. The image was generated from the 3D structure of the ternary complex of TGF- $\beta$ 1, T $\beta$ RI, and T $\beta$ RII that Sergei Radaev and Peter D. Sun deposited at RCSB PDB (<https://doi.org/10.2210/pdb3KFD/pdb>). Image courtesy of Quan Pan, Department of Nutrition, Texas A&M University, College Station, TX. The associated article, "Reciprocal Regulation of Hepatic TGF- $\beta$ 1 and Foxo1 Controls Gluconeogenesis and Energy Expenditure" (<https://doi.org/10.2337/db23-0180>), appeared in the September 2023 issue of *Diabetes*.