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## *This Month's Highlights*

### UP FRONT MATTERS

#### Editorials

1051 ★ **More than a Marker: Arginase-1 in Kidney Repair**

Sibylle von Vietinghoff and Roland Schmitt

• See related rapid communication by Cantley et al. (pp. 1077–1086).

1053 ★ **Of Mice and MAVS–Diabetic Kidney Disease and the Leaky Gut**

Ricard Farré, Sander Dejongh, and Bjorn Meijers

• See related article by Linh et al. (pp. 1105–1119).

1055 ★ **Crystals or His(stones): Rethinking AKI in Tumor Lysis Syndrome**

David P. Basile

• See related article by Zafrani et al. (pp. 1154–1171).

1057 **Molecular Characterization of Membranous Nephropathy: Quo Vadis?**

Fernando C. Fervenza and Richard J. Glassock

• See related article by Beck et al. (pp. 1208–1221).

#### Perspective

1060 **The Advancing American Kidney Health Initiative: The Challenge of Measuring Success**

Robert R. Quinn, Ngan N. Lam, Pietro Ravani,

Matthew J. Oliver, Peter G. Blake, and

Marcello Tonelli

#### Review

1063 **Cost Barriers to More Widespread Use of Peritoneal Dialysis in the United States**

Elliot A. Baerman, Jennifer Kaplan, Jenny I. Shen,

Wolfgang C. Winkelmayer, and Kevin F. Erickson

### RESEARCH LETTER

#### Chronic Kidney Disease

1073 **Empagliflozin Changes Urine Supersaturation by Decreasing pH and Increasing Citrate**

Dusan Harmacek, Menno Pruijm, Michel Burnier,

Marie-Eve Muller, Arlene Ghajarzadeh-Wurzner,

Olivier Bonny, and Anne Zanchi

### RAPID COMMUNICATION

#### Acute Kidney Injury

1077 ★ **Arginase-1 Is Required for Macrophage-Mediated Renal Tubule Regeneration**

Naomi S. Shin, Arnaud Marlier, Leyuan Xu,

Natnael Doilicho, Daniel Linberg, Jiankan Guo, and

Lloyd G. Cantley

• See related editorial by Vietinghoff et al. (pp. 1051–1053).

### BASIC RESEARCH

#### Genetic Disease of the Kidney

1087 **Protein Kinase A Downregulation Delays the Development and Progression of Polycystic Kidney Disease**

Xiaofang Wang, Li Jiang, Ka Thao, Caroline R. Sussman,

Timothy LaBranche, Michael Palmer, Peter C. Harris,

G. Stanley McKnight, Klaus P. Hoeflich, Stefanie Schalm,

and Vicente E. Torres

#### Chronic Kidney Disease

1105 ★ **Intestinal Bacterial Translocation Contributes to Diabetic Kidney Disease**

Hoang Thuy Linh, Yasunori Iwata, Yasuko Senda,

Yukiko Sakai-Takemori, Yusuke Nakade,

Megumi Oshima, Shiori Nakagawa-Yoneda,

Hisayuki Ogura, Koichi Sato, Taichiro Minami,

Shinji Kitajima, Tadashi Toyama, Yuta Yamamura,

Taro Miyagawa, Akinori Hara, Miho Shimizu,

Kengo Furuichi, Norihiko Sakai, Hiroyuki Yamada,

Katsuhiko Asanuma, Kouji Matsushima, and

Takashi Wada

• See related editorial by Farré et al.

(pp. 1053–1055).

1120 **Reduced Glomerular Filtration in Diabetes Is Attributable to Loss of Density and Increased Resistance of Glomerular Endothelial Cell Fenestrations**

Natalie C. Finch, Sarah S. Fawaz, Chris R. Neal,

Matthew J. Butler, Vivian K. Lee, Andrew J. Salmon,

Abigail C. Lay, Megan Stevens, Lusyan Dayalan,

Hamid Band, Harry H. Mellor, Steven J. Harper,

David T. Shima, Gavin I. Welsh, Rebecca R. Foster, and

Simon C. Satchell

## **Glomerulonephritis and Interstitial Nephritis**

### **1137 Factor H–Related Protein 1 Drives Disease Susceptibility and Prognosis in C3 Glomerulopathy**

Bárbara Márquez-Tirado, Josué Gutiérrez-Tenorio, Agustín Tortajada, Laura Lucientes Continente, Fernando Caravaca-Fontán, Talat H. Malik, Raquel Roldán Montero, Sandra Elías, Ana Saiz Gonzalez, Gema Fernández-Juarez, Pilar Sánchez-Corral, Matthew C. Pickering, Manuel Praga, Santiago Rodríguez de Córdoba, and Elena Goicoechea de Jorge

## **Acute Kidney Injury**

### **1154 ★Tumor Lysis Syndrome and AKI: Beyond Crystal Mechanisms**

Marine Arnaud, Maud Loiselle, Camille Vaganay, Stéphanie Pons, Emmanuel Letavernier, Jordane Demonchy, Sofiane Fodil, Manal Nouacer, Sandrine Placier, Perrine Frère, Eden Arrii, Julien Lion, Nuala Mooney, Raphael Itzykson, Chakib Djediat, Alexandre Puissant, and Lara Zafrani

• See related editorial by Basile (pp. 1055–1057).

## **CLINICAL RESEARCH**

## **Acute Kidney Injury**

### **1173 Acute Kidney Injury Associates with Long-Term Increases in Plasma TNFR1, TNFR2, and KIM-1: Findings from the CRIC Study**

Ian E. McCoy, Jesse Y. Hsu, Joseph V. Bonventre, Chirag R. Parikh, Alan S. Go, Kathleen D. Liu, Ana C. Ricardo, Anand Srivastava, Debbie L. Cohen, Jiang He, Jing Chen, Panduranga S. Rao, and Chi-yuan Hsu, on behalf of the Chronic Renal Insufficiency Cohort (CRIC) Study Investigators

## **Transplantation**

### **1182 Immunosuppressant Medication Use in Patients with Kidney Allograft Failure: A Prospective Multicenter Canadian Cohort Study**

Greg Knoll, Patricia Campbell, Michaël Chassé, Dean Fergusson, Tim Ramsay, Priscilla Karnabi, Jeffrey Perl, Andrew A. House, Joseph Kim, Olwyn Johnston, Rahul Mainra, Isabelle Houde, Dana Baran, Darin J. Treleaven, Lynne Senecal, Lee Anne Tibbles, Marie-Josée Hébert, Christine White, Martin Karpinski, and John S. Gill

## **Glomerulonephritis and Interstitial Nephritis**

### **1193 Long-Term Efficacy and Safety of Repeated Rituximab to Maintain Remission in Idiopathic Childhood Nephrotic Syndrome: An International Study**

Eugene Yu-hin Chan, Ellen L.M. Yu, Andrea Angeletti, Zainab Arslan, Biswanath Basu, Olivia Boyer,

Chang-Yien Chan, Manuela Colucci, Guillaume Dorval, Claire Dossier, Stefania Drovandi, Gian Marco Ghiggeri, Debbie S. Gipson, Riku Hamada, Julien Hogan, Kenji Ishikura, Koichi Kamei, Markus J. Kemper, Alison Lap-tak Ma, Rulan S. Parekh, Seetha Radhakrishnan, Priya Saini, Qian Shen, Rajiv Sinha, Chantida Subun, Sharon Teo, Marina Vivarelli, Hazel Webb, Hong Xu, Hui Kim Yap, and Kjell Tullus

### **1208 Molecular Characterization of Membranous Nephropathy**

Rachel Sealton, Laura Mariani, Carmen Avila-Casado, Viji Nair, Rajasree Menon, Julien Funk, Aaron Wong, Gabriel Lerner, Norifumi Hayashi, Olga Troyanskaya, Matthias Kretzler, and Laurence H. Beck, Jr.

• See related editorial by Fervenza et al. (pp. 1057–1059).

## **LETTERS TO THE EDITOR**

### **1223 Kidney Histopathology in ANCA-Associated Vasculitides Treated with Plasma Exchange**

Marta Casal Moura, Maria José Soler, Sanjeev Sethi, Fernando C. Fervenza, and Ulrich Specks

• See related reply, "Authors' Reply: Kidney Histopathology in ANCA-Associated Vasculitides Treated with Plasma Exchange," on pages 1224–1225, and original article, "Kidney Histopathology Can Predict Kidney Function in ANCA-Associated Vasculitides with Acute Kidney Injury Treated with Plasma Exchange," in Vol. 33, Iss. 3, on pages 628–637.

### **1224 Authors' Reply: Kidney Histopathology in ANCA-Associated Vasculitides Treated with Plasma Exchange**

Dorian Nezam, Raphaël Porcher, François Grolleau, and Benjamin Terrier, on behalf of the French Vasculitis Study Group

• See related letter to the editor, "Kidney Histopathology in ANCA-Associated Vasculitides Treated with Plasma Exchange," on pages 1223–1224, and original article "Kidney Histopathology Can Predict Kidney Function in ANCA-Associated Vasculitides with Acute Kidney Injury Treated with Plasma Exchanges," in Vol. 33, Iss. 3, 628–637.

### **1226 Unveiling the Role of Additional Histological Parameters in ANCA-Associated Vasculitis**

Vincenzo L'Imperio and Fabio Pagni

• See related original article, "Reappraisal of Renal Arteritis in ANCA-Associated Vasculitis: Clinical Characteristics, Pathology, and Outcome," in Vol. 32, Iss. 9, on pages 2362–2374.

## **ERRATA**

### **1228 Correction: The Impact of Vaccination on Incidence and Outcomes of SARS-CoV-2 Infection in Patients with Kidney Failure in Scotland**