

## This Month's Highlights

### UP FRONT MATTERS

#### Editorials

- 1265 A Systematic Method for Categorizing GN**  
Richard J. Johnson, Stuart J. Shankland, and M. Scott Lucia

• See related article by Sethi et al. (pp. 1278–1287).

- 1266 Amniotic Fluid Stem Cells within Chimeric Kidney Rudiments Differentiate to Functional Podocytes after Transplantation into Mature Rat Kidneys**  
Bettina Wilm and Patricia Murray

• See related article by Xinaris et al. (pp. 1400–1411).

- 1268 Slowing Polycystic Kidney Disease by Fasting**  
Alessandra Boletta

• See related article by Warner et al. (pp. 1437–1447).

- 1270 The Obesity Paradox and the Role of Inflammation**

Christiane Drechsler and Christoph Wanner

• See related article by Stenvinkel et al. (pp. 1479–1486).

- 1272 Cancer in ESRD: Clear on the Epidemiology, Hazy on the Mechanisms**

Wai H Lim and Steven J Chadban

• See related articles by Yanik et al. (pp. 1495–1504); and Bottomley et al. (pp. 1505–1515).

- 1275 Immune Response against Autoantigen PLA2R Is not Gambling: Implications for Pathophysiology, Prognosis, and Therapy**

Hanna Debiec and Pierre Ronco

• See related article by Seitz-Polski et al. (pp. 1517–1533).

#### Special Articles

- 1278 Mayo Clinic/Renal Pathology Society Consensus Report on Pathologic Classification, Diagnosis, and Reporting of GN**

Sanjeev Sethi, Mark Haas, Glen S. Markowitz, Vivette D. D'Agati, Helmut G. Rennke, J. Charles Jennette,

Ingeborg M. Bajema, Charles E. Alpers, Anthony Chang, Lynn D. Cornell, Fernando G. Cosio, Agnes B. Fogo, Richard J. Glassock, Sundaram Hariharan, Neeraja Kambham, Donna J. Lager, Nelson Leung, Michael Mengel, Karl A. Nath, Ian S. Roberts, Brad H. Rovin, Surya V. Seshan, Richard J.H. Smith, Patrick D. Walker, Christopher G. Winearls, Gerald B. Appel, Mariam P. Alexander, Daniel C. Cattran, Carmen Avila Casado, H. Terence Cook, An S. De Vriese, Jai Radhakrishnan, Lorraine C. Racusen, Pierre Ronco, and Fernando C. Fervenza

• See related editorial by Johnson et al. (pp. 1265–1266).

- 1288 Cellular and Molecular Mechanisms of AKI**

Anupam Agarwal, Zheng Dong, Raymond Harris, Patrick Murray, Samir M. Parikh, Mitchell H.

Rosner, John A. Kellum, and Claudio Ronco, for the Acute Dialysis Quality Initiative XIII Working Group

- 1300 Pathophysiology of the Renal Biopsy Medullary Microvascular Thrombosis and Injury in Sickle Hemoglobin C Disease**

Mei Lin Z. Bissonnette, Kammi J. Henriksen, Kristie Delaney, Nicole Stankus, and Anthony Chang

### BRIEF COMMUNICATIONS

- 1305 ★Molecular Basis of Factor H R1210C Association with Ocular and Renal Diseases**

Sergio Recalde, Agustin Tortajada, Marta Subias, Jaouad Anter, Miquel Blasco, Ramona Maranta, Rosa Coco, Sheila Pinto, Marina Noris, Alfredo García-Layana, and Santiago Rodríguez de Córdoba

- 1312 Modulation of Polycystic Kidney Disease Severity by Phosphodiesterase 1 and 3 Subfamilies**

Hong Ye, Xiaofang Wang, Caroline R. Sussman, Katharina Hopp, Maria V. Irazabal, Jason L. Bakeberg, Wells B. LaRiviere, Vincent C. Manganiello, Charles V. Vorhees, Haiqing Zhao, Peter C. Harris, Jan van Deursen, Christopher J. Ward, and Vicente E. Torres

## BASIC RESEARCH

- 1321 Mast Cell Stabilization Ameliorates Autoimmune Anti-Myeloperoxidase Glomerulonephritis**  
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- 1334 Partial Complement Factor H Deficiency Associates with C3 Glomerulopathy and Thrombotic Microangiopathy**  
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- 1344 CD103<sup>+</sup> Dendritic Cells Elicit CD8<sup>+</sup> T Cell Responses to Accelerate Kidney Injury in Adriamycin Nephropathy**  
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- 1362 ★G Protein-Coupled Bile Acid Receptor TGR5 Activation Inhibits Kidney Disease in Obesity and Diabetes**  
Xiaoxin X. Wang, Michal Herman Edelstein, Uzi Gafter, Liru Qiu, Yuhuan Luo, Evgenia Dobrinskikh, Scott Lucia, Luciano Adorini, Vivette D. D'Agati, Jonathan Levi, Avi Rosenberg, Jeffrey B. Kopp, David R. Gius, Moin A. Saleem, and Moshe Levi
- 1379 Endothelial Krüppel-Like Factor 4 Mediates the Protective Effect of Statins against Ischemic AKI**  
Tadashi Yoshida, Maho Yamashita, Mieko Iwai, and Matsuhiko Hayashi
- 1389 ★The Influence of CKD on Colonic Microbial Metabolism**  
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- 1400 Functional Human Podocytes Generated in Organoids from Amniotic Fluid Stem Cells**  
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• See related editorial by Wilm and Murray (pp. 1266–1268).
- 1413 Complement Factor H-Related 5-Hybrid Proteins Anchor Properdin and Activate Complement at Self-Surfaces**  
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- 1437 Food Restriction Ameliorates the Development of Polycystic Kidney Disease**  
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- 1448 Transgenic Restoration of Urea Transporter A1 Confers Maximal Urinary Concentration in the Absence of Urea Transporter A3**  
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- 1456 ★Renal Deletion of 12 kDa FK506-Binding Protein Attenuates Tacrolimus-Induced Hypertension**  
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- 1465 Integrin-linked Kinase Controls Renal Branching Morphogenesis via Dual Specificity Phosphatase 8**  
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• See related editorial by Drechsler and Wanner (pp. 1270–1272).

- 1487 ESRD due to Multiple Myeloma in the United States, 2001–2010**  
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- 1495 Variation in Cancer Incidence among Patients with ESRD during Kidney Function and Nonfunction Intervals**  
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• See related editorial by Lim and Chadban (pp. 1272–1275).
- CLINICAL RESEARCH**
- 1505 CD8<sup>+</sup> Immunosenescence Predicts Post-Transplant Cutaneous Squamous Cell Carcinoma in High-Risk Patients**  
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• See related editorial by Lim and Chadban (pp. 1272–1275).
- 1517 Epitope Spreading of Autoantibody Response to PLA2R Associates with Poor Prognosis in Membranous Nephropathy**  
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• See related editorial by Debiec and Ronco (pp. 1275–1277).
- 1534 ★Associations between Deceased-Donor Urine Injury Biomarkers and Kidney Transplant Outcomes**  
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- 1544 The Vacuolar H<sup>+</sup>-ATPase B1 Subunit Polymorphism p.E161K Associates with Impaired Urinary Acidification in Recurrent Stone Formers**  
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- 1555 Light Chain Proximal Tubulopathy: Clinical and Pathologic Characteristics in the Modern Treatment Era**  
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- 1566 ★The Choice of Hemodialysis Membrane Affects Bisphenol A Levels in Blood**  
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