This Month’s Highlights

UP FRONT MATTERS

Obituary
1439 Dimitrios G. Oreopoulos—May He Rest in Peace
Nicholas V. Dombros

Editorials
1441 Angiotensin Converting Enzyme Inhibitor–Modulated MicroRNAs Targeting Renal Fibrosis
Hirokazu Okada
• See related article by Macconi et al. (pp. 1496–1505).

1443 Aquaporin 2: Not Just for Moving Water
Jeff M. Sands
• See related article by Chen et al. (pp. 1506–1517).

1444 Lifetime Risk of ESRD: A Meaningful Concept?
Paul Eggers
• See related article by Turin et al. (pp. 1569–1578).

1446 Randomized Trial of Pre-Emptive or Prophylactic Valganciclovir Therapy for Prevention of Cytomegalovirus Infection in Renal Transplantation
Rowena Delos Santos and Daniel C. Brennan
• See related article by Reischig et al. (pp. 1588–1597).

Brief Review
1449 Endothelium-Neutrophil Interactions in ANCA-Associated Diseases
Lise Halbwachs and Philippe Lesavre

Science in Renal Medicine
1462 The Natural History of Residual Renal Function in Transplant Donors
Thomas F. Mueller and Valerie A. Luyckx

BASIC RESEARCH
1467 Cellular Senescence Limits Regenerative Capacity and Allograft Survival
Heidi Braun, Bernhard M.W. Schmidt, Mirja Raiss, Arpita Baisantry, Dan Mircea-Constantin, Shijun Wang, Marie-Luise Gross, Manuel Serrano, Roland Schmitt, and Anette Melk

1474 C3a and C5a Promote Renal Ischemia-Reperfusion Injury
Qi Peng, Ke Li, Lesley A. Smyth, Guolan Xing, Naiyin Wang, Lucy Meader, Bao Lu, Steven H. Sacks, and Wuding Zhou

1486 IL-17A Production by Renal γδ T Cells Promotes Kidney Injury in Crescentic GN

1496 MicroRNA-324-3p Promotes Renal Fibrosis and Is a Target of ACE Inhibition
Daniela Macconi, Susanna Tomasoni, Paola Romagnani, Piera Trionfini, Fabio Sangalli, Benedetta Mazzinghi, Paola Rizzo, Elena Lazzeri, Mauro Abbate, Giuseppe Remuzzi, and Ariela Benigni
• See related editorial by Okada (pp. 1441–1443).

1506 Aquaporin 2 Promotes Cell Migration and Epithelial Morphogenesis
Ying Chen, William Rice, Zhizhan Gu, Jian Li, Jianmin Huang, Michael B. Brenner, Alfred Van Hoek, Jianping Xiong, Gregg G. Gundersen, Jim C. Norman, Victor W. Hsu, Robert A. Fenton, Dennis Brown, and Hua A. Jenny Lu
• See related editorial by Sands (pp. 1443–1444).

1518 Fcγ Receptor Deficiency Attenuates Diabetic Nephropathy
Virginia Lopez-Parra, Beñat Mallavia, Oscar Lopez-Franco, Guadalupe Ortiz-Muñoz, Ainhoa Oguiza, Carlota Recio, Julia Blanco, Falk Nimmerjahn, Jesus Egido, and Carmen Gomez-Guerrero

Red star ★ indicates articles that are features in This Month’s Highlights.
Autocrine Adenosine Signaling Promotes Regulatory T Cell–Mediated Renal Protection
Gilbert R. Kinsey, Liping Huang, Katarzyna Jaworska, Konstantine Khutsishvili, David A. Becker, Hong Ye, Peter I. Lobo, and Mark D. Okusa

Activation of Parenchymal CD47 Promotes Renal Ischemia-Reperfusion Injury
Natasha M. Rogers, Angus W. Thomson, and Jeffrey S. Isenberg

Prevalence and Outcomes of Antimicrobial Treatment for Staphylococcus aureus Bacteremia in Outpatients with ESRD
Kevin E. Chan, H. Shaw Warren, Ravi I. Thadhani, David J.R. Steele, Jeffrey L. Hymes, Franklin W. Maddux, and Raymond M. Hakim

Association of Provider–Patient Visit Frequency and Patient Outcomes on Hemodialysis
Yelena Slinin, Haifeng Guo, Suying Li, Jiannong Liu, Kristine Ensrud, David T. Gilbertson, Allan J. Collins, and Areef Ishani

Lifetime Risk of ESRD
Tanvir Chowdhury Turin, Marcello Tonelli, Braden J. Manns, Sofia B. Ahmed, Pietro Ravani, Matthew James, and Brenda R. Hemmelgarn
• See related editorial by Eggers (pp. 1444–1446).

Autoantibodies Targeting Galactose-Deficient IgA1 Associate with Progression of IgA Nephropathy
Francois Berthoux, Hitoshi Suzuki, Lise Thibaudin, Hiroyuki Yanagawa, Nicolas Maillard, Christophe Mariat, Yasuhiko Tomino, Bruce A. Julian, and Jan Novak

Long-Term Outcomes of Pre-emptive Valganciclovir Compared with Valacyclovir Prophylaxis for Prevention of Cytomegalovirus in Renal Transplantation
Tomas Reischig, Petra Hribova, Pavel Jindra, Ondrej Hes, Mirko Bouda, Vladislav Treska, and Ondrej Viklicky
• See related editorial by Santos and Brennan (pp. 1446–1448).