This Month's Highlights

UP FRONT MATTERS

Editorials

161 The Drosophila Nephrocyte: Back on Stage
Jianbo Na and Ross Cagan
• See related articles by Zhang et al. (pp. 209–216); and Zhang et al. (pp. 191–197).

163 Salt and Pepper Distribution of Cell Types in the Collecting Duct
Rosemary V. Sampogna and Qais Al-Awqati
• See related article by Wu et al. (pp. 243–252).

165 Poverty and Mortality in Hemodialysis Patients
William M. McClellan and Chandler B. McClellan
• See related article by Kimmel et al. (pp. 293–301).

167 Angiotensin II Blockade after Kidney Transplantation
Raymond R. Townsend and Matthew R. Weir
• See related article by Ibrahim et al. (pp. 320–327).

Brief Reviews

169 Is There a Role for PGE2 in Urinary Concentration?
Emma T.B. Olesen and Robert A. Fenton

179 Mechanistic Insights into Vascular Calcification in CKD
Rukshana Shroff, David A. Long, and Catherine Shanahan

BRIEF COMMUNICATIONS

191 An In Vivo Functional Analysis System for Renal Gene Discovery in Drosophila Pericardial Nephrocytes
Fujian Zhang, Ying Zhao, and Zhe Han
• See related editorial by Na and Cagan (pp. 161–163).

198 mVps34 Deletion in Podocytes Causes Glomerulosclerosis by Disrupting Intracellular Vesicle Trafficking
Jianchun Chen, Mystie X. Chen, Agnes B. Fogo, Raymond C. Harris, and Jian-Kang Chen

209 Cubilin and Amnionless Mediate Protein Reabsorption in Drosophila Nephrocytes
Fujian Zhang, Ying Zhao, Yufang Chao, Katherine Muir, and Zhe Han
• See related editorial by Na and Cagan (pp. 161–163).

218 Adenylyl Cyclase VI Mediates Vasopressin-Stimulated ENaC Activity
Karl P. Roos, Vladislav Bugaj, Elena Mironova, James D. Stockand, Nirupama Ramkumar, Sara Rees, and Donald E. Kohan

229 Renal Nerves Drive Interstitial Fibrogenesis in Obstructive Nephropathy
Jinu Kim and Babu J. Padanilam

243 Aqp2-Expressing Cells Give Rise to Renal Intercalated Cells
Hongyu Wu, Lihe Chen, Qiaoling Zhou, Xi Zhang, Stefan Berger, Jiong Bi, Dorothy E. Lewis, Yang Xia, and Wenzheng Zhang
• See related editorial by Sampogna and Al-Awqati (pp. 163–165).

253 aPKCa/β and aPKCζ Contribute to Podocyte Differentiation and Glomerular Maturation
Björn Hartleben, Eugen Widmeier, Martina Suhm, Kirstin Worthmann, Christoph Schell, Martin Helmstädt, Thorsten Wiech, Gerd Walz, Michael Leitges, Mario Schiffer, and Tobias B. Huber

268 Adiponectin Promotes Functional Recovery after Podocyte Ablation
Joseph M. Rutkowski, Zhao V. Wang, Ae Seo Deok Park, Jianning Zhang, Dihua Zhang, Ming Chang Hu, Orson W. Moe, Katalin Susztak, and Philipp E. Scherer

Red star ★ indicates articles that are features in This Month’s Highlights.
283 ★Rab38 Modulates Proteinuria in Model of Hypertension-Associated Renal Disease
Artur Rangel-Filho, Jozef Lazar, Carol Moreno, Aron Geurts, and Howard J. Jacob

CLINICAL EPIDEMIOLOGY

293 ★Segregation, Income Disparities, and Survival in Hemodialysis Patients
Paul L. Kimmel, Chyng-Wen Fwu, and Paul W. Eggers
  • See related editorial by McClellan (pp. 165–167).

302 Kidney Disease and Increased Mortality Risk in Type 2 Diabetes
Maryam Afkarian, Michael C. Sachs, Bryan Kestenbaum, Irl B. Hirsch, Katherine R. Tuttle, Jonathan Himmelfarb, and Ian H. de Boer

CLINICAL RESEARCH

309 Chitinase-Like Protein Brp-39/YKL-40 Modulates the Renal Response to Ischemic Injury and Predicts Delayed Allograft Function

320 ★Angiotensin II Blockade in Kidney Transplant Recipients
Hassan N. Ibrahim, Scott Jackson, Jeffery Connaire, Arthur Matas, Arthur Ney, Behzad Najafian, Ann West, Nicole Lentsch, Jensina Ericksen, Jenny Bodner, Bertram Kasiske, and Michael Mauer
  • See related editorial by Townsend and Weir (pp. 167–168).