

This Month's Highlights

UP FRONT MATTERS

Editorials

2139 **Innate Immunity and Dendritic Cells in Kidney Disease and the Nobel Prize**

Hans-Joachim Anders and Christian Kurts

2141 **The Prorenin Receptor: What's in a Name**

Marcel E. Meima and A. H. Jan Danser

- See related articles by Riediger et al. (pp. 2193–2202); and Oshima et al. (pp. 2203–2212).

2144 **Role of Collecting Duct AT1a Receptors in Concentrating Urine**

Oleh Pochynyuk and James D. Stockand

- See related article by Stegbauer et al. (pp. 2237–2246).

2145 **The Renal Papilla: An Enigma in Damage and Repair**

Jessica Vanslambrouck, Joan Li, and Melissa H. Little

- See related article by Song et al. (pp. 2256–2265).

2148 **Tagged Fibrocytin Sheds Its Secrets**

Vishal Patel

- See related article by Bakeberg et al. (pp. 2266–2277).

2150 **Is the Malnutrition-Inflammation Complex the Secret behind Greater Survival of African-American Dialysis Patients?**

Kamyar Kalantar-Zadeh and Keith C. Norris

- See related article by Crews et al. (pp. 2279–2286).

2152 **Chronotherapy in Hypertension: A Pill at Night Makes Things Right?**

Marcelo Orías and Ricardo Correa-Rotter

- See related article by Hermida et al. (pp. 2313–2321).

Brief Reviews

2156 **Development of the Renal Arterioles**

Maria Luisa S. Sequeira Lopez and R. Ariel Gomez

2166 **Body Fluid Dynamics: Back to the Future**

Gautam Bhawe and Eric G. Neilson

Science in Renal Medicine

2182 **Epigenetics in Diabetic Kidney Disease**

Marpadga A. Reddy and Rama Natarajan

BRIEF COMMUNICATION

2187 **ET_A Activation Mediates Angiotensin II-Induced Infiltration of Renal Cortical T Cells**

Erika I. Boesen, Karthik R. Krishnan,

Jennifer S. Pollock, and David M. Pollock

BASIC RESEARCH

2193 ★ **Prorenin Receptor Is Essential for Podocyte Autophagy and Survival**

Fabian Riediger, Ivo Quack, Fatimunnisa Qadri, Björn Hartleben, Joon-Keun Park, Sebastian A. Potthoff, Dennis Sohn, Gabin Sihh, Anthony Rousselle, Verena Fokuhl, Ulrike Maschke, Bettina Purfürst, Wolfgang Schneider, Lars C. Rump, Friedrich C. Luft, Ralf Dechend, Michael Bader, Tobias B. Huber, Genevieve Nguyen, and Dominik N. Muller

- See related editorial by Meima and Danser (pp. 2141–2143).

2203 ★ **Prorenin Receptor Is Essential for Normal Podocyte Structure and Function**

Yoichi Oshima, Kenichiro Kinouchi, Atsuhiko Ichihara, Mariyo Sakoda, Asako Kurauchi-Mito, Kanako Bokuda, Tatsuya Narita, Hideaki Kurosawa, Ge-Hong Sun-Wada, Yoh Wada, Taketo Yamada, Minoru Takemoto, Moin A. Saleem, Susan E. Quaggin, and Hiroshi Itoh

- See related editorial by Meima and Danser (pp. 2141–2143).

2213 Genes that Confer the Identity of the Renin Cell
Eric W. Brunskill, Maria Luisa S. Sequeira-Lopez,
Ellen S. Pentz, Eugene Lin, Jing Yu,
Bruce J. Aronow, S. Steven Potter, and
R. Ariel Gomez

2226 Mast Cells Mediate Acute Kidney Injury through the Production of TNF
Shaun A. Summers, Jacky Chan, Poh-Yi Gan,
Lakshi Dewage, Yuji Nozaki, Oliver M. Steinmetz,
David J. Nikolic-Paterson, A. Richard Kitching, and
Stephen R. Holdsworth

2237 ★ AT₁ Receptors in the Collecting Duct Directly Modulate the Concentration of Urine
Johannes Stegbauer, Susan B. Gurley,
Matthew A. Sparks, Magdalena Woznowski,
Donald E. Kohan, Ming Yan, Ruediger W. Lehrich,
and Thomas M. Coffman
• See related editorial by Pochynyuk and Stockand
(pp. 2144–2145).

2247 Net Intestinal Transport of Oxalate Reflects Passive Absorption and SLC26A6-mediated Secretion
Felix Knauf, Narae Ko, Zhirong Jiang,
William G. Robertson, Christina M. Van Itallie,
James M. Anderson, and Peter S. Aronson

2256 Characterization and Fate of Telomerase-expressing Epithelia during Kidney Repair
Jie Song, Suzanne Czerniak, Teresa Wang,
Wendy Ying, Diana L. Carlone, David T. Breault,
and Benjamin D. Humphreys
• See related editorial by Vanslambrouck et al.,
(pp. 2145–2147).

2266 ★ Epitope-Tagged *Pkhd1* Tracks the Processing, Secretion, and Localization of Fibrocystin
Jason L. Bakeberg, Rachaneekorn Tammachote,
John R. Woollard, Marie C. Hogan, Han-Fang Tuan,
Ming Li, Jan M. van Deursen, Yanhong Wu,
Bing Q. Huang, Vicente E. Torres, Peter C. Harris,
and Christopher J. Ward
• See related editorial by Patel (pp. 2148–2150).

CLINICAL EPIDEMIOLOGY

2279 ★ Inflammation and the Paradox of Racial Differences in Dialysis Survival
Deidra C. Crews, Stephen M. Sozio, Yongmei Liu,
Josef Coresh, and Neil R. Powe
• See related editorial by Kalantar-Zadeh and Norris
(pp. 2150–2152).

2287 Regional Differences in Dialysis Care and Mortality among American Indians and Alaska Natives
Yoshio N. Hall, Stacey E. Jolly, Ping Xu,
Christine K. Abrass, Dedra Buchwald, and
Jonathan Himmelfarb

2296 Both Patient and Facility Contribute to Achieving the Centers for Medicare and Medicaid Services' Pay-for-Performance Target for Dialysis Adequacy
Navdeep Tangri, Hocine Tighiart,
Klemens B. Meyer, and Dana C. Miskulin

CLINICAL RESEARCH

2303 ★ Growth in Very Young Children Undergoing Chronic Peritoneal Dialysis
Lesley Rees, Marta Azocar, Dagmara Borzych,
Alan R. Watson, Anja Büscher, Alberto Edefonti,
Ilmay Bilge, David Askenazi, Giovanna Leozappa,
Claudia Gonzales, Koen van Hoeck, Donna Secker,
Aleksandra Zurowska, Kai Rönnholm,
Antonia H. M. Bouts, Heather Stewart,
Gema Ariceta, Bruno Ranchin, Bradley A. Warady,
and Franz Schaefer, for the International Pediatric Peritoneal Dialysis Network (IPPN) registry

2313 ★ Bedtime Dosing of Antihypertensive Medications Reduces Cardiovascular Risk in CKD
Ramón C. Hermida, Diana E. Ayala,
Artemio Mojón, and José R. Fernández
• See related editorial by Orías and Correa-Rotter
(pp. 2152–2155).

2322 Estimated GFR, Albuminuria, and Complications of Chronic Kidney Disease
Lesley A. Inker, Josef Coresh, Andrew S. Levey,
Marcello Tonelli, and Paul Muntner

2332 ERRATA