

2017
133. Alasmari F, Crotty Alexander LE, Nelson JA, Schiefer IT, Breen E, Drummond CA, Sari Y. (2017) Effects of chronic inhalation of electronic cigarettes containing nicotine on glial glutamate transporters and α-7 nicotinic acetylcholine receptor in female CD-1 mice. <i>Prog Neuropsychopharmacol Biol Psychiatry.</i> 77:1-8. PMCID: PMC5466499 .
134. Awisidhu L, Mehta RL. (2017) The 6R's of drug induced nephrotoxicity. <i>BMC Nephrol.</i> 28(1):124. PMCID: PMC5379580 .
135. Baddam S, Cutter GR, Wolfson JA, Friedman GK, Lebensburger JD. (2017) Publication outcomes of abstracts from the American Society of Hematology Annual Meeting. <i>Am J Hematol.</i> 92(5):E81-E83. PMCID: PMC5389908 .
136. Balena-Borneman J, Ambalavanan N, Tiwari HK, Griffin RL, Halloran B, Askenazi D. (2017) Biomarkers associated with bronchopulmonary dysplasia/mortality in premature infants. <i>Pediatr Res.</i> 81(3):519-525. PMCID: PMC5373977 .
137. Benyamin B, Maihofer AX, Schork AJ, Hamilton BA, Rao F, Schmid-Schonbein GW, Zhang K, Mahata M, Stridsberg M, Schork NJ, Biswas N, Hook VY, Wei Z, Montgomery GW, Martin NG, Nievergelt CM, Whitfield JB, O'Connor DT. (2017) Identification of novel loci affecting circulating chromogranins and related peptides. <i>Hum Mol Genet.</i> 26(1):233-242. PMCID: PMC6075630 .
138. Bolisetty S, Zarjou A, Agarwal A. (2017) Heme Oxygenase 1 as a Therapeutic Target in Acute Kidney Injury. <i>Am J Kidney Dis.</i> 69(4):531-545. PMCID: PMC5366088
139. Boddu R, Fan C, Rangarajan S, Sunil B, Bolisetty S, Curtis LM. (2017) Unique sex-and age-dependent effects in protective pathways in acute kidney injury. <i>Am J Physiol Renal Physiol.</i> 313(3):F740-F755. PMCID: PMC5625098 .
140. Bullen A, Liu ZZ, Hepokoski M, Li Y, Singh P. (2017) Renal Oxygenation and Hemodynamics in Kidney Injury. <i>Nephron.</i> 137(4):260-263. PMCID: PMC5732093 .
141. Cerdá J, Mohan S, Garcia-Garcia G, Jha V, Samavedam S, Gowrishankar S, Bagga A, Chakravarthi R, Mehta R. (2017) Acute Kidney Injury Recognition in Low- and Middle-Income Countries. <i>Kidney Int Rep.</i> 2(4):530-543. PMCID: PMC5637391 .
142. De Miguel C, Hamrick WC, Hobbs JL, Pollock DM, Carmines PK, Pollock JS. (2017) Endothelin receptor-specific control of endoplasmic reticulum stress and apoptosis in the kidney. <i>Sci Rep.</i> 7:43152. PMCID: PMC5322462 .
143. Dépret F, Prud'homme M, Legrand M. (2017) A Role of Remote Organs Effect in Acute Kidney Injury Outcome? <i>Nephron.</i> 137(4):273-276.
144. Feng W, Dell'Italia LJ, Sanders PW. (2017) Novel Paradigms of Salt and Hypertension. <i>J Am Soc Nephrol.</i> 28(5):1362-1369. PMCID: PMC5407734 .
145. Fenton RA, Poulsen SB, de la Mora Chavez S, Soleimani M, Dominguez Rieg JA, Reig T. (2017) Renal tubular NHE3 is required in the maintenance of water and sodium chloride homeostasis. <i>Kidney Int.</i> 92(2):397-414. PMCID: PMC5511580 .
146. Goetsch MR, Tamhane A, Varshney M, Kapil A, Overton ET, Towns GC, Franco RA. (2017) Direct-Acting Antivirals in Kidney Transplant Patients: Successful Hepatitis C Treatment and Short-Term Reduction in Urinary Protein/Creatinine Ratios. <i>Pathog Immun.</i> 2(3):366-375. PMCID: PMC5654569 .
147. Hallow KM, Gebremichael Y, Helmlinger G, Vallon V. (2017) Primary proximal tubule hyperreabsorption and impaired tubular transport counterregulation determine glomerular hyperfiltration in diabetes: a modeling analysis. <i>Am J Physiol Renal Physiol.</i> 312(5):F819-F835. PMCID: PMC5451553 .
148. Hepokoski M, Englert JA, Baron RM, Crotty-Alexander LE, Fuster MM, Beitler JR, Malhotra A, Singh P. (2017) Ventilator-induced lung injury increases expression of endothelial inflammatory mediators in the kidney. <i>Am J Physiol Renal Physiol.</i> 312(4):F654-F660. PMCID: PMC5407070 .
149. Hukriede N, Vogt A, de Caestecker M. (2017) Drug Discovery to Halt the Progression of Acute Kidney Injury to Chronic Kidney Disease: A Case for Phenotypic Drug Discovery in Acute Kidney Injury. <i>Nephron.</i> 137(4):268-272.
150. Hull TD, Agarwal A, Hoyt K. (2017) New Ultrasound Techniques Promise Further Advances in AKI and CKD. <i>J Am Soc Nephrol.</i> 28(12):3452-3460. PMCID: PMC5698079 .
151. Kain V, Liu F, Kzlovskaya V, Ingle KA, Bolisetty S, Agarwal A, Khedkar S, Prabhu SD, Kharlampieva E, Halade GV. (2017) Resolution agonist 15-epi-Lipoxin A4 programs early activation of resolving phase in post-myocardial infarction healing. <i>Sci Rep.</i> 7(1):9999. PMCID: PMC5577033 .

152. Kashani K, Macedo E, Burdmann EA, Hooi LS, Khullar D, Bagga A, Chakravarthi R, Mehta R. (2017) Acute Kidney Injury Risk Assessment: Differences and Similarities Between Resource-Limited and Resource-Rich Countries. *Kidney Int Rep.* 2(4):519-529. PMCID: [PMC5568820](#).
153. Kasztan M, Fox BM, Speed JS, De Miguel C, Gohar EY, Townes TM, Kutlar A, Pollock JS, Pollock DM. (2017) Long-Term Endothelin-A Receptor Antagonism Provides Robust Renal Protection in Humanized Sickle Cell Disease Mice. *J Am Soc Nephrol.* 28(8):2443-2458. PMCID: [PMC533228](#).
154. Kramann R, Wongboonsin J, Chang-Panesso M, Machado FG, Humphreys BD. (2017) Gli1+ Pericyte Loss Induces Capillary Rarefaction and Proximal Tubular Injury. *J Am Soc Nephrol.* 28(3):776-784. PMCID: [PMC5328159](#).
155. Kwong YD, Liu KD. (2017) AKI Adjudication: Do We Need It? *Nephron.* 137(4):294-296.
156. Larson TR, Yother J. (2017) Streptococcus pneumoniae capsular polysaccharide is linked to peptidoglycan via a direct glycosidic bond to β -D-N-acetylglucosamine. *Proc Natl Acad Sci USA.* 114(22):5695-5700. PMCID: [PMC5465879](#).
157. Layton AT, Edwards A, Vallon V. (2017) Adaptive changes in GFR, tubular morphology and transport in subtotal nephrectomized kidneys: modeling and analysis. *Am J Physiol Renal Physiol.* 313(2):F199-F209. PMCID: [PMC5582891](#).
158. Leaf DE, Jacob KA, Srivastava A, Chen ME, Christov M, Juppner H, Sabbisetti VS, Martin A, Wolf M, Waikar SS. (2017) Fibroblast Growth Factor 23 Levels Associate with AKI and Death in Critical Illness. *J Am Soc Nephrol.* 28(6):1877-1885. PMCID: [PMC5461795](#).
159. Lebensburger JD, Cutter GR, Howard TH, Munther P, Feig DI. (2017) Evaluating risk factors for chronic kidney disease in pediatric patients with sickle cell anemia. *Pediatr Nephrol.* Apr 5. PMCID: [PMC5628098](#).
160. Lee SA, Noel S, Sadasivam M, Hamad ARA, Rabb H. (2017) Role of Immune Cells in Acute Kidney Injury and Repair. *Nephron.* 137(4):282-286. PMCID: [PMC5723562](#).
161. Liebow A, Li X, Racie T, Hettinger J, Bettencourt BR, Najafian N, Haslett P, Fitzgerald K, Holmes RP, Erbe D, Querbest W, Knight J. (2017) An Investigational RNAi Therapeutic Targeting Glycolate Oxidase Reduces Oxalate Production in Models of Primary Hyperoxaluria. *J Am Soc Nephrol.* 28(2):494-503. PMCID: [PMC5280024](#).
162. Liu ZZ, Bullen A, Li Y, Singh P. (2017) Renal Oxygenation in the Pathophysiology of Chronic Kidney Disease. *Front Physiol.* 8:385. PMCID: [PMC5487476](#).
163. McIlroy DR, Shaw AD, Myles PS. (2017) Standardized Renal Endpoints for Perioperative Clinical Trials: The Standardized Endpoints in Perioperative Medicine Initiative. *Nephron.* 137(4):302-305.
164. Nangaku M, Hirakawa Y, Mimura I, Inagi R, Tanaka T. (2017) Epigenetic Changes in the Acute Kidney Injury-to-Chronic Kidney Disease Transition. *Nephron.* 137(4):256-259.
165. Ó hAinmhíre E, Humphreys BD. (2017) Fibrotic Changes Mediating Acute Kidney Injury to Chronic Kidney Disease Transition. *Nephron.* 137(4):264-267. PMCID: [PMC5723252](#).
166. Pang P, Abbott M, Chang SL, Abdi M, Chauhan N, Mistri M, Ghofrani J, Fucci QA, Walker C, Leonardi C, Grady S, Halim A, Hoffman R, Lu T, Cao H, Tullis SG, Malek S, Kumar S, Steele G, Kibel A, Freedman BS, Waikar SS, Siedlecki AM. (2017) Human vascular progenitor cells derived from renal arteries are endothelial-like and assist in the repair of injured renal capillary networks. *Kidney Int.* 91(1):129-143. PMCID: [PMC5179298](#).
167. Pang P, Abbott M, Abdi M, Fucci QA, Chauhan N, Mistri M, Proctor B, Chin M, Wang B, Yin W, Lu TS, Halim A, Lim K, Handy DE, Loscalzo J, Siedlecki AM. (2017) Pre-clinical model of severe glutathione peroxidase-3 deficiency and chronic kidney disease results in coronary artery thrombosis and depressed left ventricular function. *Nephrol Dial Transplant.* 33(6):923-934. PMCID: [PMC5982720](#).
168. Poyan Mehr A, Parikh SM. (2017) PPAR γ -Coactivator-1 α , Nicotinamide Adenine Dinucleotide and Renal Stress Resistance. *Nephron.* 137(4):253-255. PMCID: [PMC5722711](#).
169. Pike D, Shiu YT, Somarathna M, Guo L, Isayeva T, Totenhagen J, Lee T. (2017) High resolution hemodynamic profiling of murine arteriovenous fistula using magnetic resonance imaging and computational fluid dynamics. *Theor Biol Med Model.* 14(1):5. PMCID: [PMC5360029](#).
170. Prasain JK, Wilson LS, Arabshahi A, Grubbs C, Barnes S. (2017) Mass spectrometric evidence for the modification of small molecules in a cobalt-60 irradiated rodent diet. *J Mass Spectrom.* 52(8):507-516. PMCID: [PMC5544575](#).

- 171.Qiu H, Novikov A, Vallon V. (2017) Ketosis and diabetic ketoacidosis in response to SGLT2 inhibitors: Basic mechanisms and therapeutic perspectives. *Diabetes Metab Res Rev*. 33(5).
- 172.Radka CD, DeLucas LJ, Wilson LS, Lawrenz MB, Perry RD, Aller SG. (2017) Crystal structure of Yersinia pestis virulence factor YfeA reveals two polyspecific metal-binding sites. *Acta Crystallogr D Struct Biol*. 73(Pt7):557-572. PMCID: [PMC5505154](#).
- 173.Redmann M, Benavides GA, Berryhill TF, Wani WY, Ouyang X, Johnson MS, Ravi S, Barnes S, Darley-Usmar VM, Zhang J. (2017) Inhibition of autophagy with baflomycin and chloroquine decreases mitochondrial quality and bioenergetics function in primary neurons. *Redox Biol*. 11:73-81. PMCID: [PMC5124357](#).
- 174.Sharma S, Gralla J, Ordonez JG, Hurtado ME, Swenson ER, Schoene RB, Kelly JP, Callacondo D, Rivard C, Roncal-Jimenez C, Sirota J, Fuquay R, Jackson BP, Swenson KE, Johnson RJ, Hurtado A, Escudero E. (2017) Acetazolamide and N-acetylcysteine in the treatment of chronic mountain sickness (Monge's disease). *Respir Physiol Neurobiol*. 246:1-8.
- 175.Silver SA, Chertow GM. (2017) The Economic Consequences of Acute Kidney Injury. *Nephron*. 137(4):297-301. PMCID: [PMC5743773](#).
- 176.Singh A, Rahman T, Bartiss R, Arabshahi A, Prasain J, Barnes S, Musteata FM, Sellati TJ. (2017) Lipoxin A4, a 5-lipoxygenase pathway metabolite, modulates immune response during acute respiratory tularemia. *J Leukoc Biol*. 101(2):531-542. PMCID: [PMC5235906](#).
- 177.Soni H, Adebiyi A. (2017) Early septic insult in neonatal pigs increases serum and urinary soluble Fas ligand and decreases kidney function without inducing significant renal apoptosis. *Ren Fail*. 39(1):83-91. PMCID: [PMC6014332](#).
- 178.Sun Y, Byon CY, Yang Y, Brandley W, Dell'Italia L, Sanders PW, Agarwal A, Wu H, Chen Y. (2017) Dietary potassium regulates vascular calcification and arterial stiffness. *JCI Insight*. 2(19):e94920. PMCID: [PMC5841863](#).
- 179.Tanaka S, Inoue T, Hossack JA, Okusa MD. (2017) Nonpharmacological, Biomechanical Approaches to Control Inflammation in Acute Kidney Injury. *Nephron*. 137(4):277-281. PMCID: [PMC5723253](#).
- 180.Thomas JL, Pham H, Li Y, Hall E, Perkins GA, Ali SS, Patel HH, Singh P. (2017) Hypoxia inducible factor-1 α activation improves renal oxygenation and mitochondrial function in early chronic kidney disease. *Am J Physiol Renal Physiol*. 313(2):F282-F290. PMCID: [PMC5582905](#).
- 181.Thomson SC, Kashkouli A, Liu ZZ, Singh P. (2017) Renal hemodynamic effects of glucagon-like peptide-1 agonist are mediated by nitric oxide but not prostaglandin. *Am J Physiol Renal Physiol*. 313(4):F854-F858. PMCID: [PMC5668591](#).
- 182.Vallon V, Thomson SC. (2017) Targeting renal glucose reabsorption to treat hyperglycaemia: the pleiotropic effects of SGLT2 inhibition. *Diabetologia*. 60(2):215-225. PMCID: [PMC5884445](#).
- 183.Weller S, Varrier M, Ostermann M. (2017) Lymphocyte Function in Human Acute Kidney Injury. *Nephron*. 137(4):287-293.
- 184.Yamada K, Huang ZQ, Raska M, Reily C, Anderson JC, Suzuki H, Ueda H, Moldoveanu Z, Kiryluk K, Suzuki Y, Wyatt RJ, Tomino Y, Gharavi AG, Weinmann A, Julian BA, Willey CD, Novak J. (2017) Inhibition of STAT3 Signaling Reduces IgA1 Autoantigen Production in IgA Nephropathy. *Kidney Int Rep*. 2(6):1194-1207. PMCID: [PMC5733772](#).
- 185.Yang L, Frindt G, Lang F, Kuhl D, Vallon V, Palmer LG. (2017) SGK1-dependent ENaC processing and trafficking in mice with high dietary K intake and elevated aldosterone. *Am J Physiol Renal Physiol*. 312(1):F65-F76. PMCID: [PMC5283884](#).

2016
186. Agarwal A, Dong Z, Harris R, Murray P, Parikh SM, Rosner MH, Kellum JA, Ronco C, Acute Dialysis Quality Initiative XIII Working Group. (2016) Cellular and Molecular Mechanisms of AKI. <i>J Am Soc Nephrol.</i> 27(5):1288-1299. PMCID: PMC4849836 .
187. Awdishi L, Joy MS. (2016) Role of Pharmacogenomics in Kidney Disease and Injury. <i>Adv Chronic Kidney Dis.</i> 23(2):106-119.
188. Ayer A, Zarjou A, Agarwal A, Stocker R. (2016) Heme Oxygenases in Cardiovascular Health and Disease. <i>Physiol Rev.</i> 96(4):1449-1508. PMCID: PMC5504454 .
189. Barnes S, Benton HP, Casazza K, Cooper SJ, Cui X, Du X, Engler J, Kabarowski JH, Li S, Pathmasiri W, Prasain JK, Renfrow MB, Tiwari HK. (2016) Training in metabolomics research. I. Designing the experiment, collecting and extracting samples and generating metabolomics data. <i>J Mass Spectrom.</i> 51(7):461-475. PMCID: PMC4964969 .
190. Barnes S, Benton HP, Casazza K, Cooper SJ, Cui X, Du X, Engler J, Kabarowski JH, Li S, Pathmasiri W, Prasain JK, Renfrow MB, Tiwari HK. (2016) Training in metabolomics research. II. Designing the experiment, collecting and extracting samples and generating metabolomics data. <i>J Mass Spectrom.</i> 51(8):535-548. PMCID: PMC5584587 .
191. Bhatnagar V, Richard EL, Wu W, Nievergelt CM, Lipkowitz MS, Jeff J, Maihofer AX, Nigam SK. (2016) Analysis of ABCG2 and other urate transporters in uric acid homeostasis in chronic kidney disease: potential role of remote sensing and signaling. <i>Clin Kidney.</i> 9(3):444-453. PMCID: PMC4886906 .
192. Biswas N, Maihofer AX, Mir SA, Rao F, Zhang K, Khandrika S, Mahata M, Friese RS, Hightower CM, Mahata SK, Baker DG, Nievergelt CM, Vaingankar SM, O'Connor DT. (2016) Polymorphisms at the F12 and KLKB1 loci have significant trait association with activation of the renin-angiotensin system. <i>BMC Med Genet.</i> 17:21. PMCID: PMC4788869 .
193. Bolisetty S, Traylor A, Joseph R, Zarjou A, Agarwal A. (2016) Proximal tubule-targeted heme oxygenase-1 in cisplatin-induced acute kidney injury. <i>Am J Physiol Renal Physiol.</i> 310(5):F385-F394. PMCID: PMC4868370 .
194. Bouchard J, Mehta RL. (2016) Acute Kidney Injury in Western Countries. <i>Kidney Dis (Basel).</i> 2(3):103-110. PMCID: PMC5123002 .
195. Chacko BK, Zhi D, Darley-Usmar VM, Mitchell T. (2016) The Bioenergetic Health Index is a sensitive measure of oxidative stress in human monocytes. <i>Redox Biol.</i> 8:43-50. PMCID: PMC4712317 .
196. Chandrashekhar KB, Lopez-Ruiz A, Juncos LA. (2016) The Promise of Mineralocorticoid Antagonism in Acute Kidney injury. <i>Nephron.</i> 134(3):154-159.
197. Curtis LM, Agarwal A. (2016) Heme Oxygenase-1 Gene Polymorphisms-Toward Precision Medicine for AKI. <i>J Am Soc Nephrol.</i> 27(11):3229-3231. PMCID: PMC5084904 .
198. DeFreitas MJ, Seeherunvong W, Katsoufis CP, RamachandraRao S, Duara S, Yasin S, Zilleruelo G, Rodriguez MM, Abitbol CL. (2016) Longitudinal patterns of urine biomarkers in infants across gestational ages. <i>Pediatr Nephrol.</i> 31(7):1179-1188.
199. Doi K. (2016) Kidney-Heart Interactions in Acute Kidney Injury. <i>Nephron.</i> 134(3):141-144.
200. Doshi M, Lahoti A, Danesh FR, Batuman V, Sanders PW, American Society of Nephrology Onco-Nephrology Forum. (2016) Paraprotein-Related Kidney Disease: Kidney Injury from Paraproteins-What Determines the Site of Injury? <i>Clin J Am Soc Nephrol.</i> 11(12):2288-2294. PMCID: PMC5142058 .
201. Drummond CA, Crotty Alexander LE, Haller ST, Fan X, Xie JX, Kennedy DJ, Liu J, Yan Y, Hernandez DA, Mathew DP, Cooper CJ, Shapiro JI, Tian J. (2016) Cigarette smoking causes epigenetic changes associated with cardiorenal fibrosis. <i>Physiol Genomics</i> 48(12):950-960. PMCID: PMC5206391 .
202. Gallo LA, Ward MS, Fotheringham AK, Zhuang A, Borg DJ, Flemming NB, Harvie BM, Kinneally TL, Yeh SM, McCarthy DA, Koepsell H, Vallon V, Pollock C, Panchapakesan U, Forbes JM. (2016) Once daily administration of the SGLT2 inhibitor, empagliflozin, attenuates markers of renal fibrosis without improving albuminuria in diabetic db/db mice. <i>Sci Rep.</i> 6:26428. PMCID: PMC4881020 .
203. Hanna M, Brophy PD, Giannone PJ, Joshi MS, Bauer JA, RamachandraRao S. (2016) Early urinary biomarkers of acute kidney injury in preterm infants. <i>Pediatr Res.</i> 80(2):218-223.
204. Harris RC, Cheng H. (2016) Telomerase, Autophagy and Acute Kidney Injury. <i>Nephron.</i> 134(3):145-148. PMCID: PMC5547439 .
205. Heaven MR, Flint D, Randall SM, Sosunov AA, Wilson L, Barnes S, Goldman JE, Muddiman DC, Brenner M. (2016) Composition of Rosenthal Fibers, the protein aggregate Hallmark of Alexander Disease. <i>J Proteome Res.</i> 15(7):2265-2282. PMCID: PMC5036859 .

- 206.Hull TD, Boddu R, Guo L, Tisher CC, Traylor AM, Patel B, Joseph R, Prabhu SD, Suliman HB, Piantadosi CA, Agarwal A, George JF. (2016) Heme oxygenase-1 regulates mitochondrial quality control in the heart. *JCI Insight*. 1(2):e85817. PMCID: [PMC4838906](#).
- 207.Inoue T, Abe C, Sung SS, Moscalu S, Jankowski J, Huang L, Ye H, Rosin DL, Guyenet PG, Okusa MD. (2016) Vagus nerve stimulation mediates protection from kidney ischemia-reperfusion injury through α7nAChR+splenocytes. *J Clin Invest*. 126(5):1939-1952. PMCID: [PMC4855936](#).
- 208.Jackson JL, Judd SE, Panwar B, Howard VJ, Wadley VG, Jenny NS, Gutierrez OM. (2016) Associations of 25-hydroxyvitamin D with markers of inflammation, insulin resistance and obesity in black and white community-dwelling adults. *J Clin Transl Endocrinol*. 5:21-25. PMCID: [PMC5098550](#).
- 209.Kefaloyianni E, Muthru ML, Kaeppeler J, Sun X, Sabbisetti V, Chalaris A, Rose-John S, Wong E, Saqi I, Waikar SS, Rennke H, Humphreys BD, Bonventre JV, Herrlich A. (2016) ADAM 17 substrate release in proximal tubule drives kidney fibrosis. *JCI Insight*. 1(13):pii e87023. PMCID: [PMC5026414](#).
- 210.Larson-Casey JL, Deshane JS, Ryan AJ, Thannickal VJ, Carter AB. (2016) Macrophage Akt1 Kinase-Mediated Mitophagy Modulates Apoptosis Resistance and Pulmonary Fibrosis. *Immunity*. 44(3):582-596. PMCID: [PMC4794358](#).
- 211.Layton AT, Laghmani K, Vallon V, Edwards A. (2016) Solute transport and oxygen consumption along the nephrons: effects of Na⁺ transport inhibitors. *Am J Physiol Renal Physiol*. 311(6):F1217-F1229. PMCID: [PMC5210208](#).
- 212.Layton AT, Vallon V, Edwards A. (2016) A computational model for simulating solute transport and oxygen consumption along the nephrons. *Am J Physiol Renal Physiol*. 311(6):F1378-F1390. PMCID: [PMC5210192](#).
- 213.Leaf DE, Body SC, Muehlschlegel JD, McMahon GM, Lichtner P, Collard CD, Shernan SK, Fox AA, Waikar SS. (2016) Length Polymorphisms in Heme Oxygenase-1 and AKI after Cardiac Surgery. *J Am Soc Nephrol*. 27(11):3291-3297. PMCID: [PMC5084897](#).
- 214.Lebensburger JD, Palabindela P, Howard TH, Feig DI, Aban I, Askenazi DJ. (2016) Prevalence of acute kidney injury during pediatric admissions for acute chest syndrome. *Pediatr Nephrol*. 31(8):1363-1368. PMCID: [PMC4920695](#).
- 215.Lehner GF, Forni LG, Joannidis M. (2016) Oliguria and Biomarkers of Acute Kidney Injury: Star Struck Lovers or Strangers in the Night? *Nephron*. 134(3):183-190.
- 216.Lever JM, Boddu R, George JF, Agarwal A. (2016) Heme oxygenase-1 in kidney health and disease. *Antioxid Redox Signal*. 25(3):165-183. PMCID: [PMC4948210](#).
- 217.Li X, Knight J, Fargue S, Buchalski B, Guan Z, Inscho EW, Liebow A, Fitzgerald K, Querbes W, Todd Lowther W, Holmes RP. (2016) Metabolism of (13)C5-hydroxyproline in mouse models of Primary Hyperoxaluria and its inhibition by RNAi therapeutics targeting liver glycolate oxidase and hydroxyproline dehydrogenase. *Biochim Biophys Acta*. 1862(2):233-239. PMCID: [PMC4706777](#).
- 218.Liu Z, Wang S, Mi QS, Dong Z. (2016) MicroRNAs in Pathogenesis of Acute Kidney Injury. *Nephron*. 134(3):149-153. PMCID: [PMC5089907](#).
- 219.Maarouf OH, Aravamudhan A, Rangarajan D, Kusaba T, Zhang V, Welborn J, Gaubin D, Hou X, Kramann R, Humphreys BD. (2016) Paracrine Wnt1 Drives Interstitial Fibrosis without Inflammation by Tubulointerstitial Cross-Talk. *J Am Soc Nephrol*. 27(3):781-790. PMCID: [PMC4769196](#).
- 220.Macedo E, Mehta RL. (2016) Renal Recovery after Acute Kidney Injury. *Contrib Nephrol*. 187:24-35.
- 221.Mehta RL. (2016) Renal-Replacement Therapy in the Critically Ill—Does Timing Matter? *N Engl J Med*. 375(2):175-176.
- 222.Mehta RL, Andringa KK, Sanders PW, Agarwal A. (2016) Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management. *Nephron*. 134(3):131-132.
- 223.Mehta RL, Burdmann EA, Cerda J, Feehally J, Finkelstein F, Garcia-Garcia G, Godin M, Jha V, Lameire NH, Levin NW, Lewington A, Lombardi R, Macedo E, Rocco M, Aronoff-Spencer E, Tonelli M, Zhang J, Remuzzi G. (2016) Recognition and management of acute kidney injury in the International Society of Nephrology 0by25 Global Snapshot: a multinational cross-sectional study. *Lancet*. 387(10032):2017-2025.
- 224.Mir SA, Zhang K, Milic M, Gu Y, Rieg T, Ziegler M, Vaingankar SM. (2016) Analysis and validation of traits associated with a single nucleotide polymorphism Gly364Ser in cathepsin using humanized chromogranin A mouse models. *J Hypertens*. 34(1):68-78. PMCID: [PMC5580682](#).
- 225.Neprasova M, Maixnerova D, Novak J, Reilly C, Julian BA, Boron J, Novotny P, Suchanek M, Tesar V, Kacer P. (2016) Toward Noninvasive Diagnosis of IgA Nephropathy: A Pilot Urinary Metabolomic and Proteomic Study. *Dis Markers*. 2016:3650909. PMCID: [PMC5075301](#).

226. Novikov A, Vallon V. (2016) Sodium glucose cotransporter 2 inhibition in the diabetic kidney: an update. *Curr Opin Nephrol Hypertens.* 25(1):50-58. PMCID: [PMC4703043](#).
227. Panwar B, Judd SE, Warnock DG, McClellan WM, Booth JN 3rd, Muntner P, Gutierrez OM. (2016) Hemoglobin Concentration and Risk of Incident Stroke in Community-Living Adults. *Stroke.* 47(8):2017-2024. PMCID: [PMC4961542](#).
228. Perry HM, Okusa MD. (2016) Endothelial Dysfunction in Renal Interstitial Fibrosis. *Nephron.* 134(3):167-171. PMCID: [PMC5089917](#).
229. Pegues MA, McWilliams IL, Szalai AJ. (2016) C-reactive protein exacerbates renal ischemia-reperfusion injury: are myeloid-derived suppressor cells to blame? *Am J Physiol Renal Physiol.* 311(1):F176-F181. PMCID: [PMC4967164](#).
230. Prasain JK, Rajbhandari R, Keeton AB, Piazza GA, Barnes S. (2016) Metabolism and growth inhibitory activity of cranberry derived flavonoids in bladder cancer cells. *Food Funct.* 7(9):4012-4019. PMCID: [PMC5076555](#).
231. Rao S, Walters KB, Wilson L, Chen B, Bolisetty S, Graves D, Barnes S, Agarwal A, Kabarowski JH. (2016) Early lipid changes in acute kidney injury using SWATH lipidomics couples with MALDI tissue imaging. *Am J Physiol Renal Physiol.* 310(10):F1136-F1147. PMCID: [PMC4889318](#).
232. Ravi S, Johnson MS, Chacko BK, Kramer PA, Sawada H, Locy ML, Wilson LS, Barnes S, Marques MB, Darley-Usmar VM. (2016) Modification of platelet proteins by 4-hydroxynonenal: Potential Mechanisms for inhibition of aggregation and metabolism. *Free Radic Biol Med.* 91:143-153. PMCID: [PMC4761519](#).
233. Ronco C, Chawla LS. (2016) Glomerular and Tubular Kidney Stress Test: New Tools for a Deeper Evaluation of Kidney Function. *Nephron.* 134(3):191-194.
234. Selby NM, Casula A, Lamming L, Mohammed M, Caskey F, Tackling AKI Investigators. (2016) Design and Rationale of 'Tackling Acute Kidney Injury', a Multicentre Quality Improvement Study. *Nephron.* 134(3):200-204.
235. Selby NM, Kohle NV. (2016) Care Bundles for Acute Kidney Injury: Do They Work? *Nephron.* 134(3):195-199.
236. Smith MR, Vayalil PK, Zhou F, Benavides GA, Beggs RR, Golzarian H, Nijampatnam B, Oliver PG, Smith RA, Murphy MP, Velu SE, Landar A. (2016) Mitochondrial thiol modification by targeted electrophile inhibits metabolism in breast adenocarcinoma cells by inhibiting enzyme activity and protein levels. *Redox Biol.* 8:136-148. PMCID: [PMC4732023](#).
237. Song P, Onishi A, Koepsell H, Vallon V. (2016) Sodium glucose cotransporter SGLT1 as a therapeutic target in diabetes mellitus. *Expert Opin Ther Targets.* 20(9):1109-1125. PMCID: [PMC5045806](#).
238. Takaori K, Yanagita M. (2016) Insights into the Mechanisms of the Acute Kidney Injury-to-Chronic Kidney Disease Continuum. *Nephron.* 134(3):172-176.
239. Tamhane AR, Westfall AO, Burkholder GA, Cutter GR. (2016) Prevalence odds ratio versus prevalence ration: choice comes with consequences. *Stat Med.* 35(30):5730-5735. PMCID: [PMC5135596](#).
240. Tran MT, Zsengeller ZK, Berg AH, Khankin EV, Bhasin MK, Kim W, Clish CB, Stillman IE, Karumanchi SA, Rhee EP, Parikh SM. (2016) PGC1 α drives NAD biosynthesis linking oxidative metabolism to renal protection. *Nature.* 531(7595):528-532. PMCID: [PMC4909121](#).
241. Vallon V. (2016) Tubular Transport in Acute Kidney Injury: Relevance for Diagnosis, Prognosis and Intervention. *Nephron.* 134(3):160-166. PMCID: [PMC5089910](#).
242. Walker VJ, Agarwal A. (2016) Targeting Iron Homeostasis in Acute Kidney Injury. *Semin Nephrol.* 36(1):62-70. PMCID: [PMC5439503](#).
243. Warnock DG, Powell TC, Siew ED, Donnelly JP, Wang HE, Mehta RL. (2016) Serum Creatinine Trajectories for Community-versus Hospital-Acquired Acute Kidney Injury. *Nephron.* 134(3):177-182. PMCID: [PMC5490993](#).
244. Weir MR, Blantz RC. (2016) Noteworthy observation in hypertension from 2015. *Curr Opin Nephrol Hypertens.* 25(1):1-2.
245. Williams J, Homes RP, Assimos DG, Mitchell T. (2016) Monocyte Mitochondrial Function in Calcium Oxalate Stone Formers. *Urology* 93:224.e1-224.e6. PMCID: [PMC4914421](#).
246. Zhang J, McCullough PA. (2016) Lipoic Acid in the Prevention of Acute Kidney Injury. *Nephron.* 134(3):133-140.

2015
247. Askenazi DJ, Halloran B, Patil N, Keeling S, Saeidi B, Koralkar R, Ambalavanan N. (2015) Genetic polymorphisms of heme-oxygenase 1 (HO-1) may impact on acute kidney injury, bronchopulmonary dysplasia, and mortality in premature infants. <i>Pediatr Res.</i> 77(6):793-798. PMCID: PMC4439308 .
248. Bagshaw SM. (2015) Acute Kidney Injury Care Bundles. <i>Nephron.</i> 131(4):247-251.
249. Barry R, James MT. (2015) Guidelines for Classification of Acute Kidney Diseases and Disorders. <i>Nephron.</i> 131(4):221-226.
250. Bajwa A, Rosin DK, Chroscicki P, Lee S, Dondeti K, Ye H, Kinsey GR, Stevens BK, Jobin K, Kenwood BM, Hoehn KL, Lynch KR, Okusa MD. (2015) Sphingosine 1-phosphate receptor-1 enhances mitochondrial function and reduces cisplatin-induced tubule injury. <i>J Am Soc Nephrol.</i> 26(4):908-925. PMCID: PMC4378101 .
251. Bihorac A. (2015) Acute Kidney Injury in the Surgical Patient: Recognition and Attribution. <i>Nephron.</i> 131(2):118-122. PMCID: PMC4623971 .
252. Black LL, Srivastava R, Schoeb TR, Moore RD, Barnes S, Kabarowski JH. (2015) Cholesterol-Independent Suppression of Lymphocyte Activation, Autoimmunity, and Glomerulonephritis by Apolipoprotein A-I in Normocholesterolemic Lupus-Prone Mice. <i>J Immunol.</i> 195(10):4685-4698. PMCID: PMC4637240 .
253. Blantz RC, Steiner RW. (2015) Benign hyperfiltration after living kidney donation. <i>J Clin Invest.</i> 125(3):972-974. PMCID PMC4362244 .
254. Boddu R, Hull TD, Bolisetty S, Hu X, Moehle MS, Daher JP, Kamal Al, Joseph R, George JF, Agarwal A, Curtis LM, West AB. (2015) Leucine-rich repeat kinase 2 deficiency is protective in rhabdomyolysis-induced kidney injury. <i>Hum Mol Genet.</i> 24(14):4078-4093. PMCID: PMC4476452 .
255. Bolisetty S, Zarjou A, Hull TD, Traylor AM, Perianayagam A, Joseph R, Kamal Al, Arosio P, Soares MP, Jeney V, Balla J, George JF, Agarwal A. (2015) Macrophage and epithelial cell H-ferritin expression regulates renal inflammation. <i>Kidney Int.</i> 88(1):95-108. PMCID: PMC4490000 .
256. Bouchard J, Acharya A, Cerdá J, Maccariello ER, Madarasu RC, Tolwani AJ, Liang X, Fu P, Liu ZH, Mehta RL. (2015) A Prospective International Multicenter Study of AKI in the Intensive Care Unit. <i>Clin J Am Soc Nephrol.</i> 10(8):1324-1331. PMCID: PMC4527019 .
257. Brossier NM, Prechtl AM, Longo JF, Barnes S, Wilson LS, Byer SJ, Brosius SN, Carroll SL. (2015) Classic Ras Proteins Promote Proliferation and Survival via Distinct Phosphoproteome Alterations in Neurofibromin-Null Malignant Peripheral Nerve Sheath Tumor Cells. <i>J Neuropathol Exp Neurol.</i> 74(6):568-586. PMCID: PMC4433624 .
258. Conway KS, Forbang N, Beben T, Criqui MH, Ix JH, Rifkin DE. (2015) Relationship Between 24-Hour Ambulatory Blood Pressure and Cognitive Function in Community-Living Older Adults: The UCSD Ambulatory Blood Pressure Study. <i>Am J Hypertens.</i> 28(12):1444-1452. PMCID: PMC4654763 .
259. Devarajan P. (2015) Genomic and Proteomic Characterization of Acute Kidney Injury. <i>Nephron.</i> 131(2):85-91. PMCID: PMC4540729 .
260. Dominguez Rieg JA, Burt JM, Ruth P, Rieg T. (2015) P2Y ₂ receptor activation decreases blood pressure via intermediate conductance potassium channels and connexin 37. <i>Acta Physiol (Oxf)</i> 213(3):628-641. PMCID PMC4442688 .
261. Feng W, Chumley P, Prieto MC, Miyada K, Seth DM, Fatima H, Hua P, Rezonew G, Sanders PW, Jaimes EA. (2015) Transcription factor avian erythroblastosis virus E26 oncogen homolog-1 is a novel mediator of renal injury in salt-sensitive hypertension. <i>Hypertension.</i> 65(4):813-820. PMCID: PMC4897962 .
262. Feng W, Ying WZ, Aaron KJ, Sanders PW. (2015) Transforming growth factor-β mediates endothelial dysfunction in rats during high salt intake. <i>Am J Physiol Renal Physiol.</i> 309(12):F1018-F1025. PMCID: PMC4683308 .
263. Fenton RA, Poulsen SB, de la Mora Chavez S, Soleimani M, Busslinger M, Dominguez Rieg JA, Rieg T. (2015) Caffeine-induced diuresis and natriuresis is independent of renal tubular NHE3. <i>Am J Physiol Renal Physiol.</i> 308(12):F1409-F1420. PMCID: PMC4587593 .
264. Fu Y, Gerasimova M, Batz F, Kuczkowski A, Alam Y, Sanders PW, Ronzaud C, Hummler E, Vallon V. (2015) PPARy agonist-induced fluid retention depends on αENaC expression in connecting tubules. <i>Nephron.</i> 129(1):68-74. PMCID: PMC4323851 .
265. Gallo LA, Wright EM, Vallon V. (2015) Probing SGLT2 as a therapeutic target for diabetes: basic physiology and consequences. <i>Diab Vasc Dis Res.</i> 12(2):78-89. PMCID: PMC5886707 .
266. Girkin CA, Nievergelt CM, Kuo JZ, Maihofer AX, Huisings C, Liebmann JM, Ayyagari R, Weinreb RN, Ritch R, Zangwill LM, ADAGES Study Group. (2015) Biogeographic Ancestry in the African Descent and Glaucoma Evaluation Study (ADAGES): Association With Corneal and Optic Nerve Structure. <i>Invest Ophthalmol Vis Sci.</i> 56(3):2043-2049. PMCID: PMC4373542 .

- 267.Godin M, Murray P, Mehta RL. (2015) Clinical approach to the patient with AKI and sepsis. *Semin Nephrol.* 35(1):12-22. PMCID: [PMC5617729](#).
- 268.Gómez H, Jin K, Kellum JA. (2015) The Role of Energy Regulation in the Tubular Epithelial Cell Response to Sepsis. *Nephron.* 131(4):255-258. PMCID: [PMC4691208](#).
- 269.Hanks LJ, Casazza K, Ashraf AP, Wallace S, Gutierrez OM. (2015) Fibroblast growth factor-21 body composition, and insulin resistance in pre-pubertal and early pubertal males and females. *Clin Endocrinol (Oxf).* 82(4):550-556. PMCID: [PMC4289452](#).
- 270.Hanks LJ, Gutierrez OM, Ashraf AP, Casazza K. (2015) Bone Mineral Content as a Driver of Energy Expenditure in Prepubertal and Early Pubertal Boys. *J Pediatr.* 166(6):1397-1403. PMCID: [PMC4446221](#).
- 271.Hanks LJ, Gutierrez OM, Bamman MM, Ashraf A, McCormick KL, Casazza K. (2015) Circulating levels of fibroblast growth factor-21 increase with age independently of body composition indices among healthy individuals. *J Clin Transl Endocrinol.* 2(2):77-82. PMCID: [PMC4450097](#).
- 272.Harper VM, Oh JY, Stapley R, Marques MB, Wilson L, Barnes S, Sun CW, Townes T, Patel RP. (2015) Peroxiredoxin-2 recycling is inhibited during erythrocyte storage. *Antioxid Redox Signal.* 22(4):294-307. PMCID: [PMC4298151](#).
- 273.Hirsch JS, Mohan S. (2015) Integrating Real Time Data to Improve Outcomes in Acute Kidney Injury. *Nephron.* 131(4):242-246.
- 274.Horne KL, Shardlow A, Taal MW, Selby NM. (2015) Long Term Outcomes after Acute Kidney Injury: Lessons from the ARID Study. *Nephron.* 131(2):102-106.
- 275.Hoyt K, Warram JM, Wang D, Ratnayaka S, Traylor A, Agarwal A. (2015) Molecular Ultrasound Imaging of Tissue Inflammation Using an Animal Model of Acute Kidney Injury. *Mol Imaging Biol.* 17(6):786-792. PMCID: [PMC4818575](#).
- 276.Hull TD, Kamal AI, Boddu R, Bolisetty S, Guo L, Tisher CC, Rangarajan S, Chen B, Curtis LM, George JF, Agarwal A. (2015) Heme Oxygenase-1 Regulates Myeloid Cell Trafficking in AKI. *J Am Soc Nephrol.* 26(9):2139-2151. PMCID: [PMC4552119](#).
- 277.Inoue T, Okusa MD. (2015) Neuroimmune Control of Acute Kidney Injury and Inflammation. *Nephron.* 131(2):97-101. PMCID: [PMC4618761](#).
- 278.James MT, Pannu N. (2015) Can Acute Kidney Injury Be Considered a Clinical Quality Measure. *Nephron.* 131(4):237-241.
- 279.Jansone B, Kadish I, van Groen T, Beitnere U, Moore DR, Plotneice A, Pajuste K, Klusa V. (2015) A Novel 1,4-Dihydrophridine Derivative Improves Spatial Learning and Memory and Modifies Brain Protein Expression in Wild Type and Transgenic APPSweDI Mice. *PLoS One.* 10(6):e0127686. PMCID: [PMC4456351](#).
- 280.Kane-Gill SL, Kellum JA. (2015) Advancing the Use of Clinical Decision Support to Prevent Drug-Associated AKI. *Nephron.* 131(4):259-261.
- 281.Karim AS, Reese SR, Wilson NA, Jacobson LM, Zhong W, Djamali A. (2015) Nox2 is a mediator of ischemia reperfusion injury. *Am J Transplant.* 15(11):2888-2899. PMCID: [PMC4636908](#).
- 282.Kashani K, Herasevich V. (2015) Utilities of Electronic Medical Records to Improve Quality of Care for Acute Kidney Injury: Past, Present, Future. *Nephron* 131(2):92-96.
- 283.Kox M, Pickkers P. (2015) Modulation of the Innate Immune Response through the Vagus Nerve. *Nephron.* 131(2):79-84.
- 284.Kramann R, Fleig SV, Schneider RK, Fabian SL, DiRocco DP, Maarouf O, Wongboonsin J, Ikeda Y, Heckl D, Chang SL, Rennke HG, Waikar SS, Humphreys BD. (2015) Pharmacological GLI2 inhibition prevents myofibroblast cell-cycle progression and reduced kidney fibrosis. *J Clin Invest.* 125(8):2935-2951. PMCID: [PMC4563736](#).
- 285.Kramer PA, Chacko BK, George DJ, Zhi D, Wei CC, Dell'Italia LJ, Melby SJ, George JF, Darley-Usmar VM. (2015) Decreased Bioenergetic Health Index in monocytes isolated from the pericardial fluid and blood of postoperative cardiac surgery patients. *Biosci Rep.* 35(4):e00237. PMCID: [PMC4613711](#).
- 286.Kramer PA, Chacko BK, Ravi S, Johnson MS, Mitchell T, Barnes S, Arabshahi A, Dell'Italia LJ, George DJ, Steele C, George JF, Darley-Usmar VM, Melby SJ. (2015) Hemoglobin-associated oxidative stress in the pericardial compartment of postoperative cardiac surgery. *Lab Invest.* 95(2):132-141. PMCID: [PMC4422823](#).
- 287.Kramer PA, Darley-Usmar VM. (2015) The emerging theme of redox bioenergetics in health and disease. *Biomed J.* 38(4):294-300.
- 288.Kramer PA, Prichard L, Chacko B, Ravi S, Overton ET, Heath SL, Darley-Usmar V. (2015) Inhibition of the lymphocyte metabolic switch by the oxidative burst of human neutrophils. *Clin Sci (Lond.)* 129(6):489-504. PMCID: [PMC5611861](#).
- 289.Layton AT, Vallon V, Edwards A. (2015) Modeling oxygen consumption in the proximal tubule: effects of NHE and SGLT2 inhibition. *Am J Physiol Renal Physiol.* 308(12):F1343-F1357. PMCID: [PMC4469883](#).

290. Lebensburger JD, Hilliard LM, Pair LE, Oster R, Howard TH, Cutter GR. (2015) Systematic review of interventional sickle cell trials registered in ClinicalTrials.gov. *Clin Trials*. 12(6):575-583. PMCID: [PMC4643416](#).
291. Li H, Satriano J, Thomas JL, Miyamoto S, Sharma K, Pastor-Soler NM, Hallows KR, Singh P. (2015) Interactions between HIF-1 α and AMPK in the regulation of cellular hypoxia adaptation in chronic kidney disease. *Am J Physiol Renal Physiol*. 309(5):F414-F428. PMCID: [PMC4556888](#).
292. Li X, Knight J, Todd Lowther W, Holmes RP. (2015) Hydroxyproline metabolism in a mouse model of Primary Hyperoxaluria Type 3. *Biochem Biophys Acta*. 1852(12):2700-2705. PMCID: [PMC4615548](#).
293. Lopez EF, Kabarowski JH, Ingle KA, Kain V, Barnes S, Crossman DK, Lindsey ML, Halade GV. (2015) Obesity superimposed on aging magnifies inflammation and delays the resolving response after myocardial infarction. *Am J Physiol Heart Circ Physiol*. 308(4):H269-H280. PMCID: [PMC4329482](#).
294. Macedo E. (2015) Urine Output Assessment as a Clinical Quality Measure. *Nephron*. 131(4):252-254.
295. Michel MC, Mayoux E, Vallon V. (2015) A comprehensive review of the pharmacodynamics of the SGLT2 inhibitor empagliflozin in animals and humans. *Naunyn Schmiedebergs Arch Pharmacol*. 388(3):801-816. PMCID: [PMC5896322](#).
296. Minassian A, Maihofer AX, Baker DG, Nievergelt CM, Geyer MA, Risbrough VB, Marine Resiliency Study Team. (2015) Association of Predeployment Heart Rate Variability With Risk of Postdeployment Posttraumatic Stress Disorder in Active-Duty Marines. *JAMA Psychiatry*. 72(10):979-986.
297. Mrug M, Zhou J, Yang C, Aronow BJ, Cui X, Schoeb TR, Siegal GP, Yoder BK, Guay-Woodford LM. (2015) Genetic and Informatic Analyses Implicate Kif12 as a Candidate Gene within the Mpkd2 Locus That Modulates Renal Cystic Disease Severity in the Cys1cpk Mouse. *PLoS One*. 10(8):e0135678. PMCID: [PMC4546649](#).
298. Murthy S, Larson-Casey JL, Ryan AJ, He C, Kobzik L, Carter AB. (2015) Alternative activation of macrophages and pulmonary fibrosis are modulated by scavenger receptor, macrophage receptor with collagenous structure. *FASEB J*. 29(8):3527-3536. PMCID: [PMC4511206](#).
299. Pang P, Jin X, Proctor BM, Farley M, Roy N, Chin MS, von Andrian UH, Vollmann E, Perro M, Hoffman RJ, Chung J, Chauhan N, Mistri M, Muslin AJ, Bonventre JV, Siedlecki AM. (2015) RGS4 inhibits angiotensin II signaling and macrophage localization during renal reperfusion injury independent of vasospasm. *Kidney Int*. 87(4):771-783. PMCID: [PMC4382433](#).
300. Plenter R, Jain S, Ruller CM, Nydam TL, Jani AH. (2015) Murine Kidney Transplant Technique. *J Vis Exp*. 20(105):e52848. PMCID: [PMC4692659](#).
301. Powell TC, Warnock DG. (2015) The Furosemide Stress Test and Predicting AKI Outcomes. *J Am Soc Nephrol*. 26(8):1762-1764. PMCID: [PMC4520179](#).
302. Prasain JK, Wilson L, Hoang HD, Moore R, Miller MA. (2015) Comparative Lipidomics of *Caenorhabditis elegans* Metabolic Disease Models by SWATH Non-Targeted Tandem Mass Spectrometry. *Metabolites*. 5(4):677-696. PMCID: [PMC4693190](#).
303. RamachandraRao SP, Matthias MA, Kokoy-Mondragon C, Aghania E, Park C, Kong C, Ishaya M, Madrigal A, Horng J, Khoshaba R, Bounkhoun A, Basilico F, De Palma A, Agresta AM, Awidishu L, Naviaux RK, Vinetz JM, Mauri P. (2015) Correction: Proteomic analysis of urine exosomes reveals renal tubule response to leptospiral colonization in experimentally infected rats. *PLoS Negl Trop Dis*. 9(4):e0003718. PMCID: [PMC4393270](#).
304. RamachandraRao SP, Matthias MA, Mondragon CK, Aghania E, Park C, Kong C, Ishaya M, Madrigal A, Horng J, Khoshaba R, Bounkhoun A, Basilico F, De Palma A, Agresta AM, Awidishu L, Naviaux RK, Vinetz JM, Mauri P. (2015) Proteomic analysis of urine exosomes reveals renal tubule response to leptospiral colonization in experimentally infected rats. *PLoS Negl Trop Dis*. 9(3):e0003640. PMCID: [PMC4368819](#).
305. Rao F, Schork AJ, Maihofer AX, Nievergelt CM, Marcovina SM, Miller ER, Witztum JL, O'Connor DT, Tsimikas S. (2015) Heritability of Biomarkers of Oxidized Lipoproteins: Twin Pair Study. *Arterioscler Thromb Vasc Biol*. 35(7):1704-1711. PMCID: [PMC4483152](#).
306. Ravi S, Chacko B, Kramer PA, Sawada H, Johnson MS, Zhi D, Marques MB, Darley-Usmar VM. (2015) Defining the effects of storage on platelet bioenergetics: The role of increased proton leak. *Biochim Biophys Acta*. 1852(11):2525-2534. PMCID: [PMC4582014](#).
307. Saeidi B, Koralkar R, Griffin RL, Halloran B, Ambalavanan N, Askenazi DJ. (2015) Impact of gestational age, sex and postnatal age on urine biomarkers in premature neonates. *Pediatr Nephrol*. 30(11):2037-2044. PMCID: [PMC4581905](#).

- 308.Selby NM, Hill R, Fluck RJ; NHS England 'Think Kidneys' AKI Programme. (2015) Standardizing the Early Identification of Acute Kidney Injury: The NHS England National Patient Safety Alert. *Nephron*. 131(2):113-117.
- 309.Siew ED, Matheny ME. (2015) Choice of Reference Serum Creatinine in Defining Acute Kidney Injury. *Nephron*. 131(2):107-112. PMCID: [PMC4618709](#).
- 310.Singh SP, Tao S, Fields TA, Webb S, Harris RC, Rao R. (2015) Glycogen synthase kinase-3 inhibition attenuates fibroblast activation and development of fibrosis following renal ischemia-reperfusion in mice. *Dis Model Mech*. 8(8):931-940. PMCID: [PMC4527294](#).
- 311.Speed JS, Fox BM, Johnston JG, Pollock DM. (2015) Endothelin and renal ion and water transport. *Semin Nephrol*. 35(2):137-144. PMCID: [PMC4499165](#).
- 312.Speed JS, Heimlich JB, Hyndman KA, Fox BM, Patel V, Yanagisawa M, Pollock JS, Titze JM, Pollock DM. (2015) Endothelin-1 as a master regulator of whole-body Na⁺ homeostasis. *FASEB J*. 29(12):4937-4944. PMCID: [PMC4653060](#).
- 313.Speed JS, Pollock DM. (2015) New clues towards solving the mystery of endothelin and blood pressure regulation. *Hypertension*. 66(2):275-277. PMCID: [PMC4498997](#).
- 314.Surolia R, Karki S, Kim H, Yu Z, Kulkarni T, Mirov SB, Carter AB, Rowe SM, Matalon S, Thannickal VJ, Agarwal A, Antony VB. (2015) Heme oxygenase-1-mediated autophagy protects against pulmonary endothelial cell death and development of emphysema in cadmium-treated mice. *Am J Physiol Lung Cell Mol Physiol*. 309(3):L280-L292. PMCID: [PMC4525122](#).
- 315.Vallon V. (2015) The mechanisms and therapeutic potential of SGLT2 inhibitors in diabetes mellitus. *Annu Rev Med*. 66:255-270.
- 316.Wall SB, Oh JY, Mitchell L, Laube AH, Campbell SL, Renfrow MB, Landar A. (2015) Rac1 modification by an electrophilic 15-deoxy delta(12,14)-prostaglandin J2 analog. *Redox Biol*. 4:346-354. PMCID: [PMC4326178](#).
- 317.Warnock DG, Powell TC, Donnelly JP, Wang HE. (2015) Categories of Hospital-Associated Acute Kidney Injury: Time Course of Changes in Serum Creatinine Values. *Nephron*. 131(4):227-236. PMCID: [PMC4698143](#).
- 318.Wells JM, Jackson PL, Viera L, Bhatt SP, Gautney J, Handley G, King RW, Xu X, Gaggar A, Bailey WC, Dransfield MT, Blalock JE. (2015) A randomized, Placebo-controlled Trial of Roflumilast. Effect on Proline-Glycine-Proline and neutrophilic Inflammation in Chronic Obstructive Pulmonary Disease. *Am J Respir Crit Care Med*. 192(8):934-942. PMCID: [PMC4642210](#).
- 319.Yadav P, Leung N, Sanders PW, Cockwell P. (2015) The use of immunoglobulin light chain assays in the diagnosis of paraprotein-related kidney disease. *Kidney Int*. 87(4):692-697. PMCID: [PMC4863638](#).
- 320.Zhang K, Mir SA, Hightower CM, Miramontes-Gonzalez JP, Maihofer AX, Chen Y, Mahata SK, Nievergelt CM, Schork NJ, Freedman BI, Vaingankar SM, O'Connor DT. (2015) Molecular Mechanism for Hypertensive Renal Disease: Differential Regulation of Chromogranin A Expression at 3'-Untranslated Region Polymorphism C+87T by MicroRNA-107. *J Am Soc Nephrol*. 26(8):1816-1825. PMCID: [PMC4520173](#).

2014
321. Abdel-Rahman EM, Okusa MD. (2014) Effects of aging on renal function and regenerative capacity. <i>Nephron Clin Pract.</i> 127(1-4):15-20.
322. Abdul Roda M, Sadik M, Gaggar A, Hardison MT, Jablonsky MJ, Braber S, Blalock JE, Redegeld FA, Folkerts G, Jackson PL. (2014) Targeting prolyl endopeptidase with valproic acid as a potential modulator of neutrophilic inflammation. <i>PLoS One.</i> 9(5):e97594. PMCID: PMC4023971 .
323. Andringa KK, Agarwal A. (2014) Role of hypoxia-inducible factors in acute kidney injury. <i>Nephron Clin Pract.</i> 127(1-4):70-74.
324. Askenazi DJ, Moore JF, Fineberg N, Koralkar R, Clevenger S, Sharer JD. (2014) Comparison of methods, storage conditions, and time to analysis of serum and urine creatinine measured from microsamples by liquid chromatography mass spectrometry (LC/MS) vs. Jaffe. <i>J Clin Lab Anal.</i> 28(5):405-408. PMCID: PMC5482494 .
325. Billings FT 4 th , Shaw AD. (2014) Clinical trial endpoints in acute kidney injury. <i>Nephron Clin Pract.</i> 127(1-4):89-93. PMCID: PMC4480222 .
326. Blantz RC. (2014) Phenotypic characteristics of diabetic kidney involvement. <i>Kidney Int.</i> 86(1):7-9. PMCID: PMC4076684 .
327. Blantz RC, Singh P. (2014) Glomerular and tubular function in the diabetic kidney. <i>Adv Chronic Kidney Dis.</i> 21(3):297-303.
328. Bonventre JV. (2014) Maladaptive proximal tubule repair: cell cycle arrest. <i>Nephron Clin Pract.</i> 127(1-4):61-64.
329. Borsting E, Cheng VP, Glass CK, Vallon V, Cunard R. (2012) Peroxisome proliferator-activated receptor-γ agonists repress epithelial sodium channel expression in the kidney. <i>Am J Physiol Renal Physiol.</i> 302(5):F540-F551. PMCID: PMC3353644 .
330. Borsting E, Patel SV, Decleves AE, Lee SJ, Rahman QM, Akira S, Satriano J, Sharma K, Vallon V, Cunard R. (2014) Tribbles Homolog 3 Attenuates Mammalian Target of Rapamycin Complex-2 Signaling and Inflammation in the Diabetic Kidney. <i>J Am Soc Nephrol.</i> 25(9):2067-2078. PMCID: PMC4147976 .
331. Bowling CB, Muntner P, Sawyer P, Sanders PW, Kutner N, Kennedy R, Allman RM. (2014) Community mobility among older adults with reduced kidney function: a study of life-space. <i>Am J Kidney Dis.</i> 63(3):429-436. PMCID: PMC3943884 .
332. Chacko BK, Kramer PA, Ravi S, Benavides GA, Mitchell T, Dranka BP, Ferrick D, Singal AK, Ballinger SW, Bailey SM, Hardy RW, Zhang J, Zhi D, Darley-Usmar VM. (2014) The Bioenergetic Health Index: a new concept in mitochondrial translational research. <i>Clin Sci (Lond).</i> 127(6):367-373. PMCID: PMC4202728 .
333. Clauere-Del Granado R, Macedo E, Soroko S, Kim Y, Chertow GM, Himmelfarb J, Ikizler TA, Paganini EP, Mehta RL. (2014) Anticoagulation, delivered dose and outcomes in CRRT: The program to improve care in acute renal disease (PICARD). <i>Hemodial Int.</i> 18(3):641-649. PMCID: PMC4220040 .
334. Decleves AE, Sharma K, Satriano J. (2014) Beneficial Effects of AMP-Activated Protein Kinase Agonists in Kidney Ischemia-Reperfusion: Autophagy and Cellular Stress Markers. <i>Nephron Exp Nephrol.</i> PMCID: PMC4458239 .
335. Edwards A, Castrop H, Laghmani K, Vallon V, Layton AT. (2014) Effects of NKCC2 isoform regulation on NaCl transport in thick ascending limb and macula densa: a modeling study. <i>Am J Physiol Renal Physiol.</i> 307(2):F137-F146. PMCID: PMC4101627 .
336. Endre ZH. (2014) Recovery from acute kidney injury: the role of biomarkers. <i>Nephron Clin Pract.</i> 127(1-4):101-105.
337. Feng W, Chumley P, Allon M, George J, Scott DW, Patel RP, Litovsky S, Jaimes EA. (2014) The transcription factor E26 transformation-specific sequence-1 mediates neointima formation in arteriovenous fistula. <i>J Am Soc Nephrol.</i> 25(3):475-87. PMCID: PMC3935588 .
338. Fenton RA, Murray F, Dominguez Rieg JA, Tang T, Levi M, Rieg T. (2014) Renal Phosphate Wasting in the Absence of Adenylyl Cyclase 6. <i>J Am Soc Nephrol.</i> 25(12):2822-2834. PMCID: PMC4243352 .
339. Fleig SV, Humphreys BD. (2014) Rationale of mesenchymal stem cell therapy in kidney injury. <i>Nephron Clin Pract.</i> 127(1-4):75-80.
340. Fu Y, Vallon V. (2014) Mineralocorticoid-induced sodium appetite and renal salt retention: evidence for common signaling and effector mechanisms. <i>Nephron Physiol.</i> 128(1-2):8-16. PMCID: PMC4275376 .
341. Godin M, Macedo E, Mehta RL. (2014) Clinical determinants of renal recovery. <i>Nephron Clin Pract.</i> 127(1-4):25-29.
342. Goldstein SL. (2014) Renal recovery at different ages. <i>Nephron Clin Pract.</i> 127(1-4):21-24.
343. Gorboulev V, Schurmann A, Vallon V, Kipp H, Jaschke A, Klessen D, Friedrich A, Scherneck S, Rieg T, Cunard R, Veyhl-Wichmann M, Srinivasan A, Balen D, Breljak D, Rexhepaj R, Parker HE, Gribble FM, Reimann F, Lang F, Wiese S, Sabolic I, Sendtner M, Koepsell H. (2012) Na(+)-D-glucose cotransporter SGLT1 is pivotal for intestinal glucose absorption and glucose-dependent incretin secretion. <i>Diabetes.</i> 61(1):187-196. PMCID: PMC3237647 .

344. He L, Livingston MJ, Dong Z. (2014) Autophagy in acute kidney injury and repair. *Nephron Clin Pract.* 127(1-4):56-60. PMCID: [PMC4274769](#).
345. Heung M, Chawla LS. (2014) Acute kidney injury: gateway to chronic kidney disease. *Nephron Clin Pract.* 127(1-4):30-34.
346. Hovater MB, Ying WZ, Agarwal A, Sanders PW. (2014) Nitric oxide and carbon monoxide antagonize TGF- β through ligand-independent internalization of T β R1/ALK5. *Am J Physiol Renal Physiol.* 307(6):F727-F735. PMCID: [PMC4166728](#).
347. Hull TD, Agarwal A. (2014) Bilirubin: a potential biomarker and therapeutic target for diabetic nephropathy. *Diabetes.* 63(8):2613-2616. PMCID: [PMC4113062](#).
348. Hull TD, Agarwal A, George JF. (2014) The mononuclear phagocyte system in homeostasis and disease: a role for heme oxygenase-1. *Antioxid Redox Signal.* 20(11):1770-1788. PMCID: [PMC3961794](#).
349. Hundae A, McCullough PA. (2014) Cardiac and renal fibrosis in chronic cardiorenal syndromes. *Nephron Clin Pract.* 127(1-4):106-112.
350. Inampudi C, Parvataneni S, Morgan CJ, Deedwania P, Fonarow GC, Sanders PW, Prabhu SD, Butler J, Forman DE, Aronow WS, Allman RM, Ahmed A. (2014) Spironolactone use and higher hospital readmission for Medicare beneficiaries with heart failure, left ventricular ejection fraction <45%, and estimated glomerular filtration rate <45 ml/min/1.73 m². *Am J Cardiol.* 114(1):79-82. PMCID: [PMC4169696](#).
351. Judd EK, Calhoun DA, Warnock DG. (2014) Pathophysiology and treatment of resistant hypertension: the role of aldosterone and amiloride-sensitive sodium channels. *Semin Nephrol.* 34(5):532-539. PMCID: [PMC4450367](#).
352. Judd E, Sanders PW, Agarwal A. (2014) Diagnosis and Clinical Evaluation of Acute Kidney Injury. Chapter 71, Comprehensive Clinical Nephrology, 5th Edition. Johnson, Feehally and Floege, Editors. Elsevier. pp 827-835.
353. Kasimsetty SG, DeWolf SE, Shigeoka AA, McKay DB. (2014) Regulation of TLR2 and NLRP3 in primary murine renal tubular epithelial cells. *Nephron Clin Pract.* 127(1-4):119-123. PMCID: [PMC4896108](#).
354. Kellum JA. (2014) How can we define recovery after acute kidney injury? Considerations from epidemiology and clinical trial design. *Nephron Clin Pract.* 127(1-4):81-88.
355. Khan SQ, Guo L, Cimbaluk DJ, Elshabrawy H, Garidi MH, Jolly M, George JF, Agarwal A, Gupta V. (2014) A Small Molecule β 2 Integrin Agonist Improves Chronic Kidney Allograft Survival by Reducing Leukocyte Recruitment and Accompanying Vasculopathy. *Front Med (Lausanne)* 1:45. PMCID: [PMC4291902](#).
356. Kim T, He L, Johnson MS, Li Y, Zeng L, Ding Y, Long Q, Moore JF, Sharer JD, Nagy TR, Young ME, Wood PA, Yang Q. (2014) Carnitine Palmitoyltransferase 1b Deficiency Protects Mice from Diet-Induced Insulin Resistance. *J Diabetes Metab.* 5(4):361. PMCID: [PMC4190034](#).
357. Kim T, Moore JF, Sharer JD, Yang K, Wood PA, Yang Q. (2014) Carnitine Palmitoyltransferase 1b Deficient Mice Develop Severe Insulin Resistance After Prolonged High Fat Diet Feeding. *J Diabetes Metab.* 5:pii1000401. PMCID: [PMC4286342](#).
358. Kramer PA, Chacko BK, Ravi S, Johnson MS, Mitchell T, Darley-Usmar VM. (2014) Bioenergetics and the oxidative burst: protocols for the isolation and evaluation of human leukocytes and platelets. *J Vis Exp.* (85). PMCID: [PMC4089433](#).
359. Kramer PA, Ravi S, Chacko B, Johnson MS, Darley-Usmar VM. (2014) A review of the mitochondrial and glycolytic metabolism in human platelets and leukocytes: Implication for their use as bioenergetics biomarkers. *Redox Biol.* 2:206-210. PMCID: [PMC3909784](#).
360. Kumar R, Vallon V. (2014) Reduced renal calcium excretion in the absence of sclerostin expression: evidence for a novel calcium-regulating bone kidney axis. *J Am Soc Nephrol.* 25(10):2159-2168. PMCID: [PMC4178449](#).
361. Liu KD. (2014) Therapeutic strategies for clinical trials targeting renal recovery. *Nephron Clin Pract.* 127(1-4):113-116.
362. Macedo E, Mehta RL. (2014) Targeting recovery from acute kidney injury: incidence and prevalence of recovery. *Nephron Clin Pract.* 127(1-4):4-9.
363. Mahoney M, Sorace A, Warram J Samuel S, Hoyt K. (2014) Volumetric contrast-enhanced ultrasound imaging of renal perfusion. *J Ultrasound Med.* 33(8):1427-1437. PMCID: [PMC4135386](#).
364. Martina MN, Noel S, Bandapalle S, Hamad AR, Rabb H. (2014) T lymphocytes and acute kidney injury: update. *Nephron Clin Pract.* 127(1-4):51-55. PMCID: [PMC5264523](#).
365. Masuda T, Fu Y, Equchi A, Czogalla J, Rose MA, Kuczkowski A, Gerasimova M, Feldstein AE, Scadeng M, Vallon V. (2014) Dipeptidyl peptidase IV inhibitor lowers PPAR γ agonist-induced body weight gain by affecting food intake, fat mass, and beige/brown fat but not fluid retention. *Am J Physiol Endocrinol Metab.* 306(4):E388-E398. PMCID: [PMC3923087](#).

366. McKnight K, Hoang HD, Prasain JK, Brown N, Vibbert J, Hollister KA, Moore R, Ragains JR, Reese J, Miller MA. (2014) Neurosensory perception of environmental cues modulates sperm motility critical for fertilization. *Science*. 344(6185):754-757. PMCID: [PMC4094289](#).
367. Mehta RL, Kellum JA. (2014) Targeting recovery from acute kidney injury: executive summary from the round table conference at the 19th International Conference on Continuous Renal Replacement Therapies (Manchester Grand Hyatt, San Diego, Calif., USA, March 2-3 2014). *Nephron Clin Pract.* 127(1-4):1-3. PMCID: [PMC4220039](#).
368. Mehta RL, Sanders PW, Agarwal A. (2014) Changing paradigms in acute kidney injury: from mechanisms to management – proceedings of the 5th annual UAB-UCSD O'Brien Center Symposium (San Diego, Calif., USA, March 4, 2014). *Nephron Clin Pract.* 127(1-4):117-118. PMCID: [PMC4309370](#).
369. Murray PT, Mehta RL, Shaw A, Ronco C, Endre Z, Kellum JA, Chawla LS, Cruz D, Ince C, Okusa MD, ADQI 10 Workgroup. (2014) Potential use of biomarkers in acute kidney injury: report and summary of recommendations from the 10th Acute Dialysis Quality Initiative Consensus Conference. *Kidney Int.* 85(3):513-521. PMCID: [PMC4198530](#).
370. Mustapic M, Maihofer AX, Mahata M, Chen Y, Baker DG, O'Connor DT, Nievergelt CM. (2014) The catecholamine biosynthetic enzyme dopamine β -hydroxylase (DBH): first genome-wide search positions trait-determining variants acting additively in the proximal promoter. *Hum Mol Genet.* 23(23):6375-6384. PMCID: [PMC4222356](#).
371. Nourbakhsh N, Singh P. (2014) Role of renal oxygenation and mitochondrial function in the pathophysiology of acute kidney injury. *Nephron Clin Pract.* 127(1-4):149-152. PMCID: [PMC5540439](#).
372. Portilla D. (2014) Apoptosis, fibrosis and senescence. *Nephron Clin Pract.* 127(1-4):65-69.
373. Rangarajan S, Sunil B, Fan C, Wang PX, Cutter G, Sanders PW, Curtis LM. (2014) Distinct populations of label-retaining cells in the adult kidney are defined temporally and exhibit divergent regional distributions. *Am J Physiol Renal Physiol.* 307(11):F1274-F1282. PMCID: [PMC4254969](#).
374. Ravi S, Mitchell T, Kramer PA, Chacko B, Darley-Usmar VM. (2014) Mitochondria in monocytes and macrophages-implications for translational and basic research. *Int J Biochem Cell Biol.* 53C:202-207. PMCID: [PMC4111987](#).
375. Reilly C, Ueda H, Huang ZQ, Mestecky J, Julian BA, Willey CD, Novak J. (2014) Cellular signaling and production of galactose-deficient IgA1 in IgA nephropathy, an autoimmune disease. *J Immunol Res.* 2014:197548. PMCID: [PMC4134797](#).
376. Rieg T, Kohan DE. (2014) Regulation of nephron water and electrolyte transport by adenylyl cyclases. *Am J Physiol Renal Physiol.* 306(7):F701-F709. PMCID: [PMC3962601](#).
377. Rieg T, Masuda T, Gerasimova M, Mayoux E, Platt K, Powell DR, Thomson SC, Koepsell H, Vallon V. (2014) Increase in SGLT1-mediated transport explains renal glucose reabsorption during genetic and pharmacological SGLT2 inhibition in euglycemia. *Am J Physiol Renal Physiol.* 306(2):F188-F193. PMCID: [PMC3920019](#).
378. Schneider AG, Bagshaw SM. (2014) Effects of renal replacement therapy on renal recovery after acute kidney injury. *Nephron Clin Pract.* 127(1-4):35-41.
379. Sharma A, Mucino MJ, Ronco C. (2014) Renal functional reserve and renal recovery after acute kidney injury. *Nephron Clin Pract.* 127(1-4):94-100.
380. Singh P, Thomson SC. (2014) Salt sensitivity of tubuloglomerular feedback in the early remnant kidney. *Am J Physiol Renal Physiol.* 306(2):F172-F180. PMCID: [PMC3920016](#).
381. Sreedharan R, Chen S, Miller M, Haribhai D, Williams CB, Van Why SK. (2014) Mice with an absent stress response are protected against ischemic renal injury. *Kidney Int.* 86(3):515-524. PMCID: [PMC4149847](#).
382. Tran M, Parikh SM. (2014) Mitochondrial biogenesis in the acutely injured kidney. *Nephron Clin Pract.* 127(1-4):42-45.
383. Vallon V. (2014) Do tubular changes in the diabetic kidney affect the susceptibility to acute kidney injury? *Nephron Clin Pract.* 127(1-4):133-138.
384. Vallon V, Docherty NG. (2014) Intestinal regulation of urinary sodium excretion and the pathophysiology of diabetic kidney disease: a focus on glucagon-like peptide 1 and dipeptidyl peptidase 4. *Exp Physiol.* 99(9):1140-1145. PMCID: [PMC4162767](#).

385. Vallon V, Gerasimova M, Rose MA, Masuda T, Satriano J, Mayoux E, Koepsell H, Thomson SC, Rieg T. (2014) SGLT2 inhibitor empagliflozin reduces renal growth and albuminuria in proportion to hyperglycemia and prevents glomerular hyperfiltration in diabetic Akita mice. *Am J Physiol Renal Physiol.* 306(2):F194-F204. PMCID: [PMC3920018](#).
386. Vincent IS, Okusa MD. (2014) Biology of renal recovery: molecules, mechanisms, and pathways. *Nephron Clin Pract.* 127(1-4):10-14. PMCID: [PMC4209401](#).
387. Virk-Baker MK, Barnes S, Krontiras H, Nagy TR. (2014) S-(-) equol producing status not associated with breast cancer risk among low isoflavone-consuming US postmenopausal women undergoing a physician-recommended breast biopsy. *Nutr Res.* 34(2):116-125. PMCID: [PMC4028846](#).
388. Wall SB, Smith MR, Ricart K, Zhou F, Vayalil PK, Oh JY, Landar A. (2014) Detection of electrophile-sensitive proteins. *Biochim Biophys Acta.* 1840(2):913-922. PMCID: [PMC3858512](#).
389. Warnock DG, Kusche-Vihrog K, Tarjus A, Sheng S, Oberleithner H, Kleyman TR, Jaisser F. (2014) Blood pressure and amiloride-sensitive sodium channels in vascular and renal cells. *Nat Rev Nephrol.* 10(3):146-157. PMCID: [PMC4137491](#).
390. Wetta LA, Biggio JR, Cliver S, Abramovici A, Barnes S, Tita AT. (2014) Is midtrimester vitamin D status associated with spontaneous preterm birth and preeclampsia? *Am J Perinatol.* 31(6):541-546. PMCID: [PMC4451220](#).
391. Wells JM, O'Reilly PJ, Szul T, Sullivan DI, Handley G, Garrett C, McNicholas CM, Roda MA, Miller BE, Tal-Singer R, Gaggar A, Rennard SI, Jackson PL, Blalock JE. (2014) An aberrant leukotriene A4 hydrolase-proline-glycine-proline pathway in the pathogenesis of chronic obstructive pulmonary disease. *Am J Respir Crit Care Med.* 190(1):51-61. PMCID: [PMC4226028](#).
392. Wilson L, Arabshahi A, Simons B, Prasain J, Barnes S. (2014) Improved high sensitivity analysis of polyphenols and their metabolites by nano-liquid chromatography-mass spectrometry. *Arch Biochem Biophys.* 559:3-11. PMCID: [PMC4143533](#).
393. Ying WZ, Aaron KJ, Sanders PW. (2014) Sodium and potassium regulate endothelial phospholipase C-γ and Bmx. *Am J Physiol Renal Physiol.* 307(1):F58-F63. PMCID: [PMC4080160](#).
394. Zager RA. (2014) Progression from acute kidney injury to chronic kidney disease: clinical and experimental insights and queries. *Nephron Clin Pract.* 127(1-4):46-50. PMCID: [PMC4209442](#).

2013
395. Aaron KJ, Sanders PW. (2013) Role of dietary salt and potassium intake in cardiovascular health and disease: a review of the evidence. <i>Mayo Clin Proc.</i> 88(9):987-995. PMCID: PMC3833247 .
396. Agarwal A, Bolisetty S. (2013) Adaptive responses to tissue injury: role of heme oxygenase-1. <i>Trans Am Clin Climatol Assoc.</i> 124:111-122. PMCID: PMC3715920 .
397. Allen CE, Sanders PW. (2013) Hypertensive nephrosclerosis: not enough of a good thing? <i>Am J Physiol Renal Physiol.</i> 304(6):F674-F675. PMCID: PMC3602697 .
398. Askenazi DJ, Koralkar R, Hundley HE, Montesanti A, Patil N, Ambalavanan N. (2013) Fluid overload and mortality are associated with acute kidney injury in sick near-term/term neonate. <i>Pediatr Nephrol.</i> 28(4):661-666. PMCID: PMC5545796 .
399. Askenazi DJ, Goldstein SL, Koralkar R, Fortenberry J, Baum M, Hackbarth R, Blowey D, Bunchman TE, Brophy PD, Symons J, Chua A, Flores F, Somers MJ. (2013) Continuous renal replacement therapy for children ≤ 10kg: a report from the prospective pediatric continuous renal replacement therapy registry. <i>J Pediatr.</i> 162(3):587-592. PMCID: PMC5545826 .
400. Barnes S, Prasain J, Kim H. (2013) In nutrition, can we "see" what is good for us? <i>Adv Nutr.</i> 4(3):327S-334S. PMCID: PMC3650504 .
401. Bhanushali GK, Jain G, Fatima H, Leisch LJ, Thornley-Brown D. (2013) AKI associated with synthetic cannabinoids: a case series. <i>Clin J Am Soc Nephrol.</i> 8(4):523-526. PMCID: PMC3613952 .
402. Bolisetty S, Traylor A, Zarjou A, Johnson MS, Benavides GA, Ricart K, Boddu R, Moore RD, Landar A, Barnes S, Darley-Usmar V, Agarwal A. (2013) Mitochondria-targeted heme oxygenase-1 decreases oxidative stress in renal epithelial cells. <i>Am J Physiol Renal Physiol.</i> 305(3):F255-F264. PMCID: PMC3742869 .
403. Bowling CB, Sanders PW, Allman RM, Rogers WJ, Patel K, Aban IB, Rich MW, Pitt B, White M, Bakris GC, Fonarow GC, Ahmed A. (2013) Effects of enalapril in systolic heart failure patients with and without chronic kidney disease: insights from the SOLVD treatment trial. <i>Int J Cardiol.</i> 167(1):151-156. PMCID: PMC3395757 .
404. Chacko BK, Kramer PA, Ravi S, Johnson MS, Hardy RW, Ballinger SW, Darley-Usmar VM. (2013) Methods for defining distinct bioenergetics profiles in platelets, lymphocytes, monocytes, and neutrophils, and the oxidative burst from human blood. <i>Lab Invest.</i> 93(6):690-700. PMCID: PMC3674307 .
405. Clement LC*, Macé C*, Avila-Casado C, Joles JA, Kersten S, Chugh SS. (2013) Circulating angiopoietin-like 4 links proteinuria with hypertriglyceridemia in nephrotic syndrome. <i>Nat Med.</i> 20(1):37-46. PMCID: PMC4114723 .
406. Cowley AW Jr, Ryan RP, Kurth T, Skelton MM, Schock-Kursch D, Gretz N. (2013) Progression of glomerular filtration rate reduction determined in conscious Dahl salt-sensitive hypertensive rats. <i>Hypertension.</i> 62(1):85-90. PMCID: PMC3806646 .
407. DuPont JJ, Greaney JL, Wenner MM, Lennon-Edwards SL, Sanders PW, Farquhar WB, Edwards DG. (2013) High dietary sodium intake impairs endothelium-dependent dilation in healthy salt-resistant humans. <i>J Hypertens.</i> 31(3):530-536. PMCID: PMC4176919 .
408. Hansell P, Welch WJ, Blantz RC, Palm F. (2013) Determinants of kidney oxygen consumption and their relationship to tissue oxygen tension in diabetes and hypertension. <i>Clin Exp Pharmacol Physiol.</i> 40(2):123-137. PMCID: PMC3951849 .
409. Han SM, El Oussini H, Scekic-Zahirovic J, Vibbert J, Cottee P, Prasain JK, Bellen HJ, Dupuis L, Miller MA. (2013) VAPB/AL S8 MSP ligands regulate striated muscle energy metabolism critical for adult survival in <i>caenorhabditis</i> . <i>PLoS Genet.</i> 9(9):e1003738. PMCID: PMC3764199 .
410. Hoang HD, Prasain JK, Dorand D, Miller MA. (2013) A heterogenous mixture of F-series prostaglandins promotes sperm guidance in the <i>Caenorhabditis elegans</i> reproductive tract. <i>PLoS Genet.</i> 9(1):e1003271. PMCID: PMC3561059 .
411. Hull TD, Bolisetty S, Dealmeida AC, Litovsky SH, Prabhu SD, Agarwal A, George JF. (2013) Heme oxygenase-1 expression protects the heart from acute injury caused by inducible Cre recombinase. <i>Lab Invest.</i> 93(8):868-879. PMCID: PMC3729748 .
412. Kanbay M, Bayram Y, Solak Y, Sanders PW. (2013) Dietary potassium: a key mediator of the cardiovascular response to dietary sodium chloride. <i>J Am Soc Hypertens.</i> 7(5):395-400. PMCID: PMC4083820 .
413. Lewington AJ, Cerda J, Mehta RL. (2013) Raising awareness of acute kidney injury: a global perspective of a silent killer. <i>Kidney Int.</i> 84(3):457-467. PMCID: PMC3758780 .

414. Merscher-Gomez S, Guzman J, Pedigo CE, Lehto M, Aguillon-Prada R, Mendez A, Lassenius MI, Forsblom C, Yoo T, Villarreal R, Maiguel D, Johnson K, Goldberg R, Nair V, Randolph A, Kretzler M, Nelson RG, Burke GW 3rd, Groop PH, Fornoni A, the FinnDiane Study Group. (2013) Cyclodextrin protects podocytes in diabetic kidney disease. *Diabetes*. 62(11):3817-3827. PMCID: [PMC3806621](#).
415. Mitchell T, Johnson MS, Ouyang X, Chacko BK, Mitra K, Lei X, Gai Y, Moore DR, Barnes S, Zhang J, Koizumi A, Ramanadham S, Darley-Usmar VM. (2013) Dysfunctional mitochondrial bioenergetics and oxidative stress in Akita(+/Ins2)-derived β-cells. *Am J Physiol Endocrinol Metab.* 305(5):E585-E599. PMCID: [PMC3761167](#).
416. Mrug M, Sanders PW. (2013) Beware the low HDAC11: males at risk for ischemic kidney injury. *Am J Physiol Renal Physiol.* 305(7):F973-F974. PMCID: [PMC3798743](#).
417. Pacurari M, Xing D, Hilgers RH, Guo YY, Yang Z, Hage F. (2013) Endothelial cell transfusion ameliorates endothelial dysfunction in 5/6 nephrectomized rats. *Am J Physiol Heart Circ Physiol.* 305(8):H1256-H1264. PMCID: [PMC3798787](#).
418. Pasha DN, Davis JT, Rao F, Chen Y, Wen G, Fung MM, Mahata M, Zhang K, Trzebinska D, Mutapic M, Hightower CM, Lipokowitz MS, Ji M, Ziegler MG, Nievergelt CM, O'Connor DT. (2013) Heritable influence of DBH on adrenergic and renal function: twin and disease studies. *PLoS One.* 8(12):e82956. PMCID: [PMC3876991](#).
419. Pegues MA, McCrory MA, Zarjou A, Szalai AJ. (2013) C-reactive protein exacerbates renal ischemia-reperfusion injury. *Am J Physiol Renal Physiol.* 304(11): F1358-F1365. PMCID: [PMC3680688](#).
420. Prasain JK, Arabshahi A, Taub PR, Sweeney S, Moore R, Sharer JD, Barnes S. (2013) Simultaneous quantification of F2-isoprostanes and prostaglandins in human urine by liquid chromatography tandem-mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci.* 913-914:161-168. PMCID: [PMC3779072](#).
421. Prasain JK, Hoang HD, Edmonds JW, Miller MA. (2013) Prostaglandin extraction and analysis in *Caenorhabditis elegans*. *J Vis Exp.* (76). PMCID: [PMC3728984](#).
422. Reilly C, Mitchell T, Chacko BK, Benavides G, Murphy MP, Darley-Usmar V. (2013) Mitochondrially targeted compounds and their impact on cellular bioenergetics. *Redox Biol.* 1(1):86-93. PMCID: [PMC3647698](#).
423. Rieg T. (2013) A high-throughput method for measurement of glomerular filtration rate in conscious mice. *J Vis Exp.* 75:e50330. PMCID: [PMC3679673](#).
424. Rieg T, Dominguez Rieg J. (2013) Connecting type A intercalated cell metabolic state to V-ATPase function: phosphorylation does matter! *Am J Physiol Renal Physiol.* 305(8):F1105-F1106. PMCID: [PMC3798730](#).
425. Rieg T, Tang T, Uchida S, Hammond HK, Fenton RA, Vallon V. (2013) Adenyllyl cyclase 6 enhances NKCC2 expression and mediates vasopressin-induced phosphorylation of NKCC2 and NCC. *Am J Pathol.* 182(1):96-106. PMCID: [PMC3532715](#).
426. Santriano J, Sharma K. (2013) Autophagy and metabolic changes in obesity-related chronic kidney disease. *Nephrol Dial Transplant.* 28 Suppl4:iv29-iv36. PMCID: [PMC3814227](#).
427. Santriano J, Sharma K, Blantz RC, Deng A. (2013) Induction of AMPK activity corrects early pathophysiological alterations in the subtotal nephrectomy model of chronic kidney disease. *Am J Physiol Renal Physiol.* 305(5):F727-F733. PMCID: [PMC3761200](#).
428. Sawant A, Schafer CC, Jin TH, Zmijewski J, Tse HM, Roth J, Sun Z, Siegal GP, Thannickal VJ, Ponnazhagan S, Deshane J. (2013) Enhancement of antitumor immunity in lung cancer by targeting myeloid-derived suppressor cell pathways. *Cancer Res.* 72(22):6609-6620. PMCID: [PMC3854493](#).
429. Sharma N, Malarkey EB, Berbari NF, O'Connor AK, Vanden Heuvel GB, Mrug M, Yoder BK. (2013) Proximal tubule proliferation is insufficient to induce rapid cyst formation after cilia disruption. *J Am Soc Nephrol.* 24(3):456-464. PMCID: [PMC3582198](#).
430. Shimamura M, Seleme MC, Guo L, Saunders U, Schoeb TR, George JF, Britt WJ. (2013) Ganciclovir prophylaxis improves late murine cytomegalovirus induced renal allograft damage. *Transplantation.* 95(1):48-53. PMCID: [PMC3700407](#).
431. Singh P, Ricksten SE, Bragadottir G, Redfors B, Nordquist L. (2013) Renal Oxygenation and haemodynamics in acute kidney injury and chronic kidney disease. *Clin Exp Pharmacol Physiol.* 40(2):138-147. PMCID: [PMC3710120](#).
432. Taler SJ, Agarwal R, Bakris GL, Flynn JT, Nilsson PM, Rahman M, Sanders PW, Textor SC, Weir MR, Townsend RR. (2013) KDOQI US Commentary on the 2012 KDIGO Clinical practice guideline for management of blood pressure in CKD. *Am J Kidney Dis.* 62(2):201-213. PMCID: [PMC3929429](#).

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| 433.Tolwani A. (2013) Continuous Renal Replacement Therapy for Acute Kidney Injury. <i>N Engl J Med.</i> 368(12):1160-1161. |
| 434.Vallon V, Rose M, Gerasimova M, Satriano J, Platt KA, Koepsell H, Cunard R, Sharma K, Thomson SC, Rieg T. (2013) Knockout of Na-glucose transporter SGLT2 attenuates hyperglycemia and glomerular hyperfiltration but not kidney growth or injury in diabetes mellitus. <i>Am J Physiol Renal Physiol.</i> 304(2):F156-F167. PMCID: PMC3543626 . |
| 435.Wang HE, Gaurav J, Glasscock RJ, Warnock DG. (2013) Comparison of Absolute Serum Creatinine Changes versus Kidney Disease: Improving Global Outcomes consensus definitions for characterizing stages of acute kidney injury. <i>Nephrol Dial Transplant.</i> 28(6):1447-1454. PMCID: PMC3685303 . |
| 436.Ying WZ, Aaron KJ, Sanders PW. (2013) Transforming growth factor- β regulates endothelial function during high salt intake in rats. <i>Hypertension.</i> 62(5):951-956. PMCID: PMC3972137 . |
| 437.Zarjou A, Bolisetty S, Joseph R, Traylor A, Apostolov EO, Arosio P, Balla J, Verlander J, Darshan D, Kuhn LC, Agarwal A. (2013) Proximal tubule H-ferritin mediates iron trafficking in acute kidney injury. <i>J Clin Invest.</i> 123(10):4423-4434. PMCID: PMC3784534 . |