

<b>2023</b>	
1.	Portales-Castillo I, Rieg T, Khalid SB, Nigwekar SU, Neyra JA Physiopathology of Phosphate Disorders. <i>Adv Kidney Dis Health</i> . 2023 Mar;30(2):177-188
2.	Xing D, Hage FG, Feng W, Guo Y, Oparil S, Sanders PW. Endothelial Cells Overexpressing CXCR1/2 are Renoprotective in Rats with Acute Kidney Injury. <i>Am J Physiol Renal Physiol</i> . 2023 Feb 16. doi: 10.1152/ajprenal.00238.2022. Online ahead of print.PMID: 36794755. PMID: <a href="#">PMC9755056</a>
3.	Li Y, Liu P, Zhou Y, Maekawa H, Silva JB, Ansari MJ, Boubes K, Alia Y, Deb DK, Thomson BR, Jin J, Quaggin SE. Activation of Angiopoietin-Tie2 Signaling Protects the Kidney from Ischemic Injury by Modulation of Endothelial-Specific Pathways. <i>J Am Soc Nephrol</i> . 2023 Jun 1;34(6):969-987. Epub 2023 Feb 14. PMID: 36787763. PMID: PMC10278803 (available on 2024-06-01)
4.	Singh P. Reprogramming of Energy Metabolism in Kidney Disease <i>Nephron</i> . 2023;147(1):61-64. doi: 10.1159/000526308. Epub 2022 Sep 5.PMID: 36063803 PMID: PMC9928604 (available on 2024-01-01)
5.	Moore KH, Agarwal A. The Importance of Immune Checkpoint Molecule TIGIT in AKI. <i>Am Soc Nephrol</i> . 2023 May 1;34(5):725-727.Epub 2023 Apr 4. PMID: PMC10125638 (available on 2024-05-01)
6.	Neyra JA, Ortiz-Soriano V, Liu LJ, Smith TD, Li X, Xie D, Adams-Huet B, Moe OW, Toto RD, Chen J. Prediction of Mortality and Major Adverse Kidney Events in Critically Ill Patients With Acute Kidney Injury <i>Am J Kidney Dis</i> . 2023 Jan;81(1):36-47. doi: 10.1053/j.ajkd.2022.06.004. Epub 2022 Jul 19.PMID: 35868537 PMID: PMC9780161 (available on 2024-01-01)
7.	Yashchenko A, Bland SJ, Song CJ, Ahmed UKB, Sharp R, Darby IG, Cordova AM, Smith ME, Lever JM, Li Z, Aloria EJ, Khan S, Maryam B, Liu S, Crowley MR, Jones KL, Zenewicz LA, George JF, Mrug M, Crossman DK, Hopp K, Stavrakis S, Humphrey MB, Ginhoux F, Zimmerman KA. <i>Cx3cr1</i> controls kidney resident macrophage heterogeneity. <i>Front Immunol</i> . 2023 May 15;14:1082078. doi: 10.3389/fimmu.2023.1082078. eCollection 2023.PMID: 37256130 PMID: <a href="#">PMC10225589</a>
8.	Li C, Krothapalli S, Chen YM. Targeting Endoplasmic Reticulum for Novel Therapeutics and Monitoring in Acute Kidney Injury <i>Nephron</i> . 2023;147(1):21-24. doi: 10.1159/000526050. Epub 2022 Sep 16.PMID: 36116429 PMID: PMC9928598 (available on 2024-01-01)
9.	Afolabi JM, Kanthakumar P, Williams JD, Kumar R, Soni H, Adebisi A. Post-injury Inhibition of Endothelin-1 Dependent Renal Vasoregulation Mitigates Rhabdomyolysis-Induced Acute Kidney Injury <i>Function (Oxf)</i> . 2023 May 4;4(4):zqad022. doi: 10.1093/function/zqad022. eCollection 2023.PMID: 37342410 PMID: <a href="#">PMC10278989</a>
10.	Bonde SS, Zaman W, Cuomo R, Malhotra R, Macedo E. Risk of de novo proteinuria following hospitalization with acute kidney injury. <i>BMC Nephrol</i> . 2023 Jun 15;24(1):176. doi: 10.1186/s12882-023-03209-y. PMID: <a href="#">PMC10273748</a>
11.	Feng W, Guan Z, Ying WZ, Xing D, Ying KE, Sanders PW. Matrix metalloproteinase-9 regulates afferent arteriolar remodeling and function in hypertension-induced kidney disease. <i>Kidney Int</i> . 2023 Jul 7:S0085-2538(23)00489-1. doi: 10.1016/j.kint.2023.06.031. Online ahead of print. PMID: 37423509
12.	Kim YC, Fattah H, Fu Y, Nespoux J, Vallon V. Expression of leptin receptor in renal tubules is sparse but implicated in leptin-dependent kidney gene expression and function. Kim YC, Fattah H, Fu Y, Nespoux J, Vallon V. <i>Am J Physiol Renal Physiol</i> . 2023 Jun 1;324(6):F544-F557.Epub 2023 Apr 27.PMID: 37102688 PMID: PMC10228677 (available on 2024-06-01)
13.	Ortiz-Soriano V, Cama-Olivares A, Liu LJ, Armentrout B, Colohan D, Paladiya R, Babroudi S, Aycinena JC, Neyra JA The Optimization of Outpatient Hemodialysis Management for Acute Kidney Injury Requiring Dialysis Patients: A Quality Improvement Study. <i>Am J Nephrol</i> . 2023;54(3-4):95-105. Epub 2023 Apr 8.PMID: 37031677
14.	Patel R, Fu Y, Khang S, Benardeau AM, Thomson SC, Vallon V Responses in Blood Pressure and Kidney Function to Soluble Guanylyl Cyclase Stimulation or Activation in Normal and Diabetic Rats. <i>Nephron</i> . 2023;147(5):281-300. Epub 2022 Oct 20.PMID: 36265461 PMID: PMC10115913 (available on 2024-01-01)
15.	Kidwell A, Yadav SPS, Maier B, Zollman A, Ni K, Halim A, Janosevic D, Myslinski J, Syed F, Zeng L, Waffo AB, Banno K, Xuei X, Doud EH, Dagher PC, Hato T. Translation Rescue by Targeting Ppp1r15a through Its Upstream Open Reading Frame in Sepsis-Induced Acute Kidney Injury in a Murine Model <i>J Am Soc Nephrol</i> . 2023 Feb 1;34(2):220-240. doi: 10.1681/ASN.2022060644. Epub 2022 Oct 31.PMID: 36283811

16.	Khan MB, Scherzer R, Lewis CE, Malhotra R, Ix JH, Shlipak MG, Gutiérrez OM Associations of Urine Biomarkers of Kidney Tubule Health With Incident Hypertension and Longitudinal Blood Pressure Change in Middle-Aged Adults: The CARDIA Study. <i>Hypertension</i> . 2023 Jun;80(6):1353-1362. Epub 2023 Mar 29.PMID: 36987923 PMCID: PMC10192098 (available on 2024-06-01)
17.	Askenazi DJ, Halloran BA, Heagerty PJ, Schmicker RH, Juul SE, Hingorani S, Goldstein SL; PENUT Trial Consortium. Urine acute kidney injury biomarkers in extremely low gestational age neonates: a nested case control study of 21 candidate urine biomarkers <i>Pediatr Nephrol</i> . 2023 Apr;38(4):1329-1342. doi: 10.1007/s00467-022-05688-x. Epub 2022 Aug 1.PMID: 35913564
18.	Teixeira JP, Griffin BR, Pal CA, González-Seguel F, Jenkins N, Jones BM, Yoshida Y, George N, Israel HP, Ghazi L, Neyra JA, Mayer KP. Critical illness myopathy and trajectory of recovery in acute kidney injury requiring continuous renal replacement therapy: a prospective observational trial protocol. <i>BMJ Open</i> . 2023 May 22;13(5):e072448. PMID: 37217272 PMCID: <a href="#">PMC10230984</a>
19.	Su CC, Chen JY, Chen SY, Shiao CC, Neyra JA, Matsuura R, Noiri E, See E, Chen YT, Hsu CK, Pan HC, Chang CH, Rosner MH, Wu VC. Outcomes associated with acute kidney disease: A systematic review and meta-analysis <i>EClinicalMedicine</i> . 2022 Dec 13;55:101760. doi: 10.1016/j.eclinm.2022.101760. eCollection 2023 Jan.PMID: 36531983 PMCID: <a href="#">PMC9755056</a>
<b>2022</b>	
20.	Morioka S, Kajioka D, Yamaoka Y, Ellison RM, Tufan T, Werkman IL, Tanaka S, Barron B, Ito ST, Kucenas S, Okusa MD, Ravichandran KS. Chimeric efferocytic receptors improve apoptotic cell clearance and alleviate inflammation. <i>Cell</i> . 2022 Dec 22;185(26):4887-4903.e17. doi: 10.1016/j.cell.2022.11.029.PMID: 36563662
21.	Bullen AL, Katz R, Kumar U, Gutierrez OM, Sarnak MJ, Kramer HJ, Shlipak MG, Ix JH, Judd SE, Cushman M, Garimella PS. Lipid accumulation product, visceral adiposity index and risk of chronic kidney disease <i>BMC Nephrol</i> . 2022 Dec 15;23(1):401. doi: 10.1186/s12882-022-03026-9.PMID: 36522626 PMCID: <a href="#">PMC9753382</a>
22.	Beaubien-Souligny W, Trott T, Neyra JA. How to Determine Fluid Management Goals during Continuous Kidney Replacement Therapy in Patients with AKI: Focus on POCUS <i>Kidney360</i> . 2022 Jul 19;3(10):1795-1806. doi: 10.34067/KID.0002822022. eCollection 2022 Oct 27.PMID: 36514727 PMCID: <a href="#">PMC9717662</a>
23.	Neyra JA, Chen J, Bagshaw SM, Koyner JL. Risk Classification and Subphenotyping of Acute Kidney Injury: Concepts and Methodologies <i>Semin Nephrol</i> . 2022 May;42(3):151285. doi: 10.1016/j.semnephrol.2022.10.011. Epub 2022 Dec 5.PMID: 36470740
24.	Cheung MD, Agarwal A, George JF. Where Are They Now: Spatial and Molecular Diversity of Tissue-Resident Macrophages in the Kidney <i>Semin Nephrol</i> . 2022 May;42(3):151276. doi: 10.1016/j.semnephrol.2022.10.002. Epub 2022 Nov 24.PMID: 36435683
25.	Oe Y, Vallon V. The Pathophysiological Basis of Diabetic Kidney Protection by Inhibition of SGLT2 and SGLT1 <i>Kidney Dial</i> . 2022 Jun;2(2):349-368. doi: 10.3390/kidneydial2020032. Epub 2022 Jun 18.PMID: 36380914 PMCID: <a href="#">PMC9648862</a>
26.	Ghajar-Rahimi G, Traylor AM, Mathew B, Bostwick JR, Nebane NM, Zmijewska AA, Esman SK, Thukral S, Zhai L, Sambandam V, Cowell RM, Suto MJ, George JF, Augelli-Szafran CE, Agarwal A. Identification of Cytoprotective Small-Molecule Inducers of Heme-Oxygenase-1 <i>Antioxidants (Basel)</i> . 2022 Sep 23;11(10):1888. doi: 10.3390/antiox11101888.PMID: 36290611 PMCID: <a href="#">PMC9598442</a>
27.	Patel R, Fu Y, Khang S, Benardeau AM, Thomson SC, Vallon V. Responses in Blood Pressure and Kidney Function to Soluble Guanylyl Cyclase Stimulation or Activation in Normal and Diabetic Rats <i>Nephron</i> . 2022 Oct 20:1-20. doi: 10.1159/000526934. Online ahead of print.PMID: 36265461
28.	Vallon V. Renoprotective Effects of SGLT2 Inhibitors. <i>Heart Fail Clin</i> . 2022 Oct;18(4):539-549. doi: 10.1016/j.hfc.2022.03.005. PMID: 36216484; PMCID: PMC9558099.
29.	Mondal P, Rajapakse S, Wijeratne GB. (2022) Following Nature's Footprint: Mimicking the High-Valent Heme-Oxo Mediated Indole Monooxygenation Reaction Landscape of Heme Enzymes. <i>J Am Chem Soc</i> . Mar 9;144(9):3843-3854. doi: 10.1021/jacs.1c11068. Epub 2022 Feb 3. PMID: 35112858. PMCID: PMC9675724
30.	de Souza Cordeiro LM, Bainbridge L, Devisetty N, McDougal DH, Peters DJM, Chhabra KH. (2022) Loss of function of renal Glut2 reverses hyperglycaemia and normalises body weight in mouse models of diabetes and obesity. <i>Diabetologia</i> . Jun;65(6):1032-1047. doi: 10.1007/s00125-022-05676-8. Epub 2022 Mar 15. PCID: PMC9081162.

31. Song CJ, Li Z, Ahmed UKB, Bland SJ, Yashchenko A, Liu S, Aloria EJ, Lever JM, Gonzalez NM, Bickel MA, Giles CB, Georgescu C, Wren JD, Lang ML, Benveniste EN, Harrington LE, Tsiokas L, George JF, Jones KL, Crossman DK, Agarwal A, Mrug M, Yoder BK, Hopp K, Zimmerman KA. (2022) A Comprehensive Immune Cell Atlas of Cystic Kidney Disease Reveals the Involvement of Adaptive Immune Cells in Injury-Mediated Cyst Progression in Mice. <i>J Am Soc Nephrol</i> . Apr;33(4):747-768. doi: 10.1681/ASN.2021030278. Epub 2022 Feb 2. PMID: PMC8970461.
32. Lu Y, Agarwal A. (2022) Myo-inositol oxygenase in cadmium-induced kidney injury. <i>Am J Physiol Renal Physiol</i> . 2022 May 1;322(5):F470-F472. PMID: <a href="#">PMC8977179</a>
33. Bullen AL (2022) The Biomarker Promised Land: Are We There Yet? Not Yet. <i>Am J Kidney Dis</i> . Apr;79(4):486-487. doi: 10.1053/j.ajkd.2021.09.021. Epub 2022 Jan 17. PMID: 35058074
34. Bullen AL, Ascher SB, Scherzer R, Garimella PS, Katz R, Hallan SI, Cheung AK, Raphael KL, Estrella MM, Jotwani VK, Malhotra R, Seegmiller JC, Shlipak MG, Ix JH. Markers of Kidney Tubular Secretion and Risk of Adverse Events in SPRINT Participants with CKD <i>J Am Soc Nephrol</i> . 2022 Oct;33(10):1915-1926. doi: 10.1681/ASN.2022010117. Epub 2022 Aug 16. PMID: 35973732 PMCID: PMC9528325 (available on 2023-10-01)
35. Gohar EY, De Miguel C, Obi IE, Daugherty EM, Hyndman KA, Becker BK, Jin C, Sedaka R, Johnston JG, Liu P, Speed JS, Mitchell T, Kriegel AJ, Pollock JS, Pollock DM. (2022) Acclimation to a High-Salt Diet Is Sex Dependent. <i>J Am Heart Assoc</i> . Mar;11(5):e020450. doi: 10.1161/JAHA.120.020450. Epub 2022 Feb 22. PMID: 35191321. PMID: <a href="#">PMC9075092</a> .
36. Singh RD, Barry MA, Croatt AJ, Ackerman AW, Grande JP, Diaz RM, Vile RG, Agarwal A, Nath KA. (2022) The spike protein of SARS-CoV-2 induces heme oxygenase-1: Pathophysiologic implications. <i>Biochim Biophys Acta Mol Basis Dis</i> . 1868(3):166322. PMID: <a href="#">PMC8669938</a>
37. Eckenrode HE, Gutierrez OM, Osis G, Agarwal A, Curtis LM. (2022) Kidney Disease Prevalence in Transgender Individuals. <i>Clin J Am Soc Nephrol</i> . Feb;17(2):280-282. doi: 10.2215/CJN.04660421. Epub 2021 Dec 6. PMID: <a href="#">PMC8823938</a> .
38. Matas AJ, Helgeson E, Fieberg A, Leduc R, Gaston RS, Kasiske BL, Rush D, Hunsicker L, Cosio F, Grande JP, Cecka JM, Connett J, Mannon RB. (2022) Risk Prediction for Delayed Allograft Function: Analysis of the Deterioration of Kidney Allograft Function (DeKAF) Study Data. <i>Transplantation</i> . Feb 1;106(2):358-368. doi: 10.1097/TP.0000000000003718. PMID: <a href="#">PMC8380757</a> .
39. Somarathna M, Hwang PT, Millican RC, Alexander GC, Isayeva-Waldrop T, Sherwood JA, Brott BC, Falzon I, Northrup H, Shiu YT, Stubben CJ, Totenhagen J, Jun HW, Lee T. (2022) Nitric oxide releasing nanomatrix gel treatment inhibits venous intimal hyperplasia and improves vascular remodeling in a rodent arteriovenous fistula. <i>Biomaterials</i> . 280:121254. PMID: <a href="#">PMC8724452</a> .
40. Curtis LM, Balkawade R. (2022) Thermoneutral Regulation and Acute Injury: Implications for Acute Kidney Injury <i>Nephron</i> . 146(3):229-233. doi: 10.1159/000520143. Epub 2021 Nov 25 PMID: <a href="#">PMC9090934</a> .
41. Mondal P, Tolbert GB, Wijeratne GB. (2022) Bio-inspired nitrogen oxide (NO <sub>x</sub> ) interconversion reactivities of synthetic heme Compound-I and Compound-II intermediates. <i>J Inorg Biochem</i> . 226:111633. PMID: 34749065
42. Lewis ED, Williams HC, Bruno MEC, Stromberg AJ, Saito H, Johnson LA, Starr ME. (2022) Exploring the Obesity Paradox in A Murine Model of Sepsis: Improved Survival Despite Increased Organ Injury in Obese Mice. <i>Shock</i> . 57(1):151-159. PMID: <a href="#">PMC8678195</a> .
43. Arai Y, Yamaoka Y, Morioka S. (2022) Sweeping Up Dying Cells during Tissue Injury <i>Nephron</i> . 146(3):249-252. doi: 10.1159/000517731. Epub 2021 Jul 20. PMID: <a href="#">PMC8770677</a> .
44. Vallon V, Kim YC. Protecting the Kidney: The Unexpected Logic of Inhibiting a Glucose Transporter. <i>Clin Pharmacol Ther</i> . 2022 Sep;112(3):434-438. doi: 10.1002/cpt.2651. Epub 2022 Jun 11. PMID: 35689828.
45. Kumar P, Yang Z, Lever JM, Chávez MD, Fatima H, Crossman DK, Maynard CL, George JF, Mitchell T. Hydroxyproline stimulates inflammation and reprograms macrophage signaling in a rat kidney stone model. <i>Biochim Biophys Acta Mol Basis Dis</i> . 2022 Sep 1;1868(9):166442. doi: 10.1016/j.bbadis.2022.166442. Epub 2022 May 10. PMID: 35562038.
46. Navarro-Garrido A, Kim YC, Oe Y, Zhang H, Crespo-Masip M, Goodluck HA, Kanoo S, Sanders PW, Bröer S, Vallon V. Aristolochic acid-induced nephropathy is attenuated in mice lacking the neutral amino acid transporter B <sup>0</sup> AT1 (Slc6a19). <i>Am J Physiol Renal Physiol</i> . 2022 Aug 18. doi: 10.1152/ajprenal.00181.2022. Epub ahead of print. PMID: 35979966. PMID: PMC9484999.

47. Masuda T, Ohara K, Vallon V, Nagata D. SGLT2 inhibitor and loop diuretic induce different vasopressin and fluid homeostatic responses in non-diabetic rats. <i>Am J Physiol Renal Physiol.</i> 2022 Sept 1; 323(3):F361-F369. doi: 10.1152/ajprenal.00070.2022. PMID: 35900341. PMID:PMC9423725
48. Gohar EY, Almutlaq RN, Fan C, Balkawade RS, Butt MK, Curtis LM. Does G Protein-Coupled Estrogen Receptor 1 Contribute to Cisplatin-Induced Acute Kidney Injury in Male Mice? <i>Int J Mol Sci.</i> 2022 Jul 27;23(15):8284. doi: 10.3390/ijms23158284. PMID: 35955435; PMID: <a href="#">PMC9368456</a> .
49. Hepokoski ML, Odish M, Lam MT, Coufal NG, Rolfsen ML, Shadel GS, Moyzis AG, Sainz AG, Takiar PG, Patel S, Leonard AJ, Samandari N, Hansen E, Trescott S, Nguyen C, Jepsen K, Cutter G, Gillespie MN, Spragg RG, Sasik R, Ix JH. Absolute quantification of plasma mitochondrial DNA by droplet digital PCR marks COVID-19 severity over time during intensive care unit admissions. <i>Am J Physiol Lung Cell Mol Physiol.</i> 2022 Jul 1;323(1):L84-L92. doi: 10.1152/ajplung.00128.2022. Epub 2022 Jun 14. PMID: 35699291; PMID: <a href="#">PMC9273271</a> .
50. Hepokoski M, Singh P. Mitochondria as mediators of systemic inflammation and organ cross talk in acute kidney injury. <i>Am J Physiol Renal Physiol.</i> 2022 Jun 1;322(6):F589-F596. doi: 10.1152/ajprenal.00372.2021. Epub 2022 Apr 4. PMID: 35379000; PMID: PMC9054254.
51. Ortiz-Soriano V, Kabir S, Claire-Del Granado R, Stromberg A, Toto RD, Moe OW, Goldstein SL, Neyra JA. Assessment of a modified renal angina index for AKI prediction in critically ill adults. <i>Nephrol Dial Transplant.</i> 2022 Apr 25;37(5):895-903. doi: 10.1093/ndt/gfab049. PMID: 33605426; PMID: <a href="#">PMC9272422</a> .
52. Peixoto-Neves D, Kanthakumar P, Kumar R, Soni H, Adebisi A. Loss of urotensin II receptor diminishes hyperglycemia and kidney injury in streptozotocin-treated mice. <i>J Mol Endocrinol.</i> 2022 Mar 25;68(3):167-178. doi: 10.1530/JME-21-0199. PMID: 35244607; PMID: <a href="#">PMC9334220</a> .
53. Cheung MD, Erman EN, Moore KH, Lever JM, Li Z, LaFontaine JR, Ghajar-Rahimi G, Liu S, Yang Z, Karim R, Yoder BK, Agarwal A, George JF. Resident macrophage subpopulations occupy distinct microenvironments in the kidney. <i>JCI Insight.</i> 2022 Oct 24;7(20):e161078. doi: 10.1172/jci.insight.161078. PMID: 36066976. PMID: <a href="#">PMC9714795</a> .
54. Namineni N, Potok OA, Ix JH, Ginsberg C, Negoianu D, Rifkin DE, Garimella PS. Marathon Runners' Knowledge and Strategies for Hydration. <i>Clin J Sport Med.</i> 2022 Sep 1;32(5):517-522. doi: 10.1097/JSM.0000000000000990. Epub 2021 Oct 29. PMID: 34723866 PMID: PMC9050964 (available on 2023-09-01)
55. Li C, Krothapalli S, Chen YM. Targeting Endoplasmic Reticulum for Novel Therapeutics and Monitoring in Acute Kidney Injury. <i>Nephron.</i> 2022 Sep 16:1-4. doi: 10.1159/000526050. Epub ahead of print. PMID: 36116429. PMID: PMC9928598.
56. Park SJ, Kim Y, Li C, Suh J, Sivapackiam J, Goncalves TM, Jarad G, Zhao G, Urano F, Sharma V, Chen YM. Blocking CHOP-dependent TXNIP shuttling to mitochondria attenuates albuminuria and mitigates kidney injury in nephrotic syndrome. <i>Proc Natl Acad Sci U S A.</i> 2022 Aug 30;119(35):e2116505119. doi: 10.1073/pnas.2116505119. Epub 2022 Aug 22. PMID: 35994650; PMID: <a href="#">PMC9436335</a>
57. Askenazi DJ, Halloran BA, Heagerty PJ, Schmicker RH, Brophy P, Juul SE, Hingorani S, Goldstein SL; PENUT Trial Consortium. (2022) Gestational age, sex, and time affect urine biomarker concentrations in extremely low gestational age neonates. <i>Pediatr Res.</i> Jul;92(1):151-167. PMID: 34845352. PMID: <a href="#">PMC9149147</a> . Erratum in: <i>Pediatr Res.</i> <i>Pediatr Res.</i> 2022 Jul;92(1):334
58. Vallon V, Nakagawa T.(2022) Renal Tubular Handling of Glucose and Fructose in Health and Disease. <i>Compr Physiol.</i> Dec 29;12(1):2995-3044. doi: 10.1002/cphy.c210030. PMID: 34964123. PMID: <a href="#">PMC9832976</a> .

<b>2021</b>	
59.	Ahmad I, Molyvdas A, Jian MY, Zhou T, Traylor AM, Cui H, Liu G, Song W, Agarwal A, Jilling T, Aggarwal S, Matalon S. (2021) AICAR decreases acute lung injury by phosphorylating AMPK and upregulating heme oxygenase-1. <i>Eur Respir J.</i> 58(6):2003694. PMID: 34049949. PMID: <a href="#">PMC9144003</a>
60.	Mak RH, Querfeld U, Gonzalez A, Gunta S, Cheung WW. (2021) Differential Effects of 25-Hydroxyvitamin D <sub>3</sub> versus 1 $\alpha$ 25-Dihydroxyvitamin D <sub>3</sub> on Adipose Tissue Browning in CKD-Associated Cachexia. <i>Cells.</i> 10(12):3382 PMID: <a href="#">PMC8699879</a>
61.	Black LM, Farrell ER, Barwinska D, Osis G, Zmijewska AA, Traylor AM, Esman SK, Bolisetty S, Whipple G, Kamocka MM, Winfree S, Spangler DR, Khan S, Zarjou A, El-Achkar TM, Agarwal A. (2021) VEGFR3 tyrosine kinase inhibition aggravates cisplatin nephrotoxicity. <i>Am J Physiol Renal Physiol.</i> 321(6):F675-F688. PMID: <a href="#">PMC8714977</a> .
62.	Piret SE, Attallah AA, Gu X, Guo Y, Gujarati NA, Henein J, Zollman A, Hato T, Ma'ayan A, Revelo MP, Dickman KG, Chen CH, Shun CT, Rosenquist TA, He JC, Mallipattu SK. (2021) Loss of proximal tubular transcription factor Krüppel-like factor 15 exacerbates kidney injury through loss of fatty acid oxidation. <i>Kidney Int.</i> 100(6):1250-1267. PMID: <a href="#">PMC8608748</a> .
63.	Raines NH, Cheung MD, Wilson LS, Edberg JC, Erdmann NB, Schmaier AA, Berryhill TF, Manickas-Hill Z, Li JZ, Yu XG, Agarwal A, Barnes S, Parikh SM. (2021) Nicotinamide Adenine Dinucleotide Biosynthetic Impairment and Urinary Metabolomic Alterations Observed in Hospitalized Adults With COVID-19-Related Acute Kidney Injury. <i>Kidney Int Rep.</i> 6(12):3002-3013. PMID: <a href="#">PMC8439094</a>
64.	Curtis LM, Balkawade R. (2021) Thermoneutral Regulation and Acute Injury: Implications for Acute Kidney Injury. <i>Nephron.</i> Nov 25;1-5. PMID: 34823244. PMID: <a href="#">PMC9090934</a> .
65.	Hama T, Nagesh PK, Chowdhury P, Moore BM 2nd, Yallapu MM, Regner KR, Park F. (2021) DNA damage is overcome by TRIP13 overexpression during cisplatin nephrotoxicity. <i>JCI Insight.</i> 22;6(22):e139092. PMID: <a href="#">PMC8663775</a>
66.	Baranwal G, Creed HA, Black LM, Auger A, Quach AM, Vegiraju R, Eckenrode HE, Agarwal A, Rutkowski JM. (2021) Expanded renal lymphatics improve recovery following kidney injury. <i>Physiol Rep.</i> 9(22):e15094. PMID: <a href="#">PMC8606868</a>
67.	Neyra JA. (2021) A team-based approach for testing biomarkers of kidney disease progression. <i>Kidney Int.</i> 100(5):972-975. PMID: 34280456
68.	Namineni N, Potok OA, Ix JH, Ginsberg C, Negoianu D, Rifkin DE, Garimella PS. (2021) Marathon Runners' Knowledge and Strategies for Hydration. <i>Clin J Sport Med.</i> Oct 29; Epub ahead of print. PMID: PMC9050964.
69.	Kumar P, Saini K, Saini V, Mitchell T. (2021) Oxalate Alters Cellular Bioenergetics, Redox Homeostasis, Antibacterial Response, and Immune Response in Macrophages. <i>Front Immunol.</i> 12:694865. PMID: <a href="#">PMC8566947</a>
70.	Gupta S, Short SAP, Sise ME, Prosek JM, Madhavan SM, Soler MJ, Ostermann M, Herrmann SM, Abudayyeh A, Anand S, Glezerman I, Motwani SS, Murakami N, Wanchoo R, Ortiz-Melo DI, Rashidi A, Sprangers B, Aggarwal V, Malik AB, Loew S, Carlos CA, Chang WT, Beckerman P, Mithani Z, Shah CV, Renaghan AD, Seigneux S, Campedel L, Kitchlu A, Shin DS, Rangarajan S, Deshpande P, Coppock G, Eijgelsheim M, Seethapathy H, Lee MD, Strohbehne IA, Owen DH, Husain M, Garcia-Carro C, Bermejo S, Lumlertgul N, Seylanova N, Flanders L, Isik B, Mamlouk O, Lin JS, Garcia P, Kaghazchi A, Khanin Y, Kansal SK, Wauters E, Chandra S, Schmidt-Ott KM, Hsu RK, Tio MC, Sarvode Mothi S, Singh H, Schrag D, Jhaveri KD, Reynolds KL, Cortazar FB, Leaf DE; ICPI-AKI Consortium Investigators. (2021) Acute kidney injury in patients treated with immune checkpoint inhibitors. <i>J Immunother Cancer.</i> 9(10):e003467. PMID: <a href="#">PMC8496384</a>
71.	Drew DA, Katz R, Kritchevsky S, Ix JH, Shlipak MG, Newman AB, Hoofnagle AN, Fried LF, Sarnak M, Gutiérrez OM, Semba RD, Neyra JA. (2021) Soluble Klotho and Incident Hypertension. <i>Clin J Am Soc Nephrol.</i> 16(10):1502-1511. PMID: <a href="#">PMC8498995</a> .
72.	Zimmerman KA, Song CJ, Aloria EJG, Li Z, Zhou J, Bland SJ, Yashchenko A, Crossman DK, Mrug M, Yoder BK. (2021) Early infiltrating macrophage subtype correlates with late-stage phenotypic outcome in a mouse model of hepatorenal fibrocystic disease. <i>Lab Invest.</i> 101(10):1382-1393. PMID: <a href="#">PMC8773463</a> .
73.	Rhee H, Berenger B, Mehta RL, Macedo E. (2021) Regional Citrate Anticoagulation for Continuous Kidney Replacement Therapy With Calcium-Containing Solutions: A Cohort Study. <i>Am J Kidney Dis.</i> 78(4):550-559.e1. PMID: <a href="#">PMC8723918</a> .
74.	Weber SM, Brossier NM, Prechtl A, Barnes S, Wilson LS, Brosius SN, Longo JF, Carroll SL. (2021) R-Ras subfamily proteins elicit distinct physiologic effects and phosphoproteome alterations in neurofibromin-null MPNST cells. <i>Cell Commun Signal.</i> 19(1):95. PMID: <a href="#">PMC8447793</a>

75. Li Y, Hepokoski M, Gu W, Simonson T, Singh P. (2021) Targeting Mitochondria and Metabolism in Acute Kidney Injury. <i>J Clin Med.</i> 10(17):3991. PMID: <a href="#">PMC8432487</a>
76. Black LM, Winfree S, Khochare SD, Kamocka MM, Traylor AM, Esman SK, Khan S, Zarjou A, Agarwal A, El-Achkar TM. (2021) Quantitative 3-dimensional imaging and tissue cytometry reveals lymphatic expansion in acute kidney injury. <i>Lab Invest.</i> 101(9):1186-1196. PMID: <a href="#">PMC8373805</a>
77. Bullen AL, Katz R, Jotwani V, Garimella PS, Lee AK, Estrella MM, Shlipak MG, Ix JH. (2021) Biomarkers of Kidney Tubule Health, CKD Progression, and Acute Kidney Injury in SPRINT (Systolic Blood Pressure Intervention Trial) Participants. <i>Am J Kidney Dis.</i> 78(3):361-368.e1. PMID: <a href="#">PMC8384678</a> .
78. Zmijewska AA, Zmijewski JW, Becker EJ Jr, Benavides GA, Darley-USmar V, Mannon RB. (2021) Bioenergetic maladaptation and release of HMGB1 in calcineurin inhibitor-mediated nephrotoxicity. <i>Am J Transplant.</i> 21(9):2964-2977. PMID: <a href="#">PMC8429074</a>
79. Liu LJ, Ortiz-Soriano V, Neyra JA, Chen J. (2021) KGDAL: Knowledge Graph Guided Double Attention LSTM for Rolling Mortality Prediction for AKI-D Patients. <i>ACM BCB.</i> 2021:53. PMID: <a href="#">PMC8445228</a>
80. Zimmerman KA, Yang Z, Lever JM, Li Z, Croyle MJ, Agarwal A, Yoder BK, George JF. (2021) Kidney resident macrophages in the rat have minimal turnover and replacement by blood monocytes. <i>Am J Physiol Renal Physiol.</i> 321(2):F162-F169. PMID: <a href="#">PMC8424665</a>
81. Saunders U, Li M, Boddada SR, Maher S, Ghare J, Kapsan I, Dhital R, Velazquez V, Guo L, Chen B, Zeng Q, Schoeb TR, Cianciolo R, Shimamura M. (2021) Murine Cytomegalovirus-induced Complement-fixing Antibodies Deposit in Murine Renal Allografts During Acute Rejection. <i>Transplantation.</i> 105(8):1718-1729. PMID: <a href="#">PMC8128940</a>
82. Cheung WW, Zheng R, Hao S, Wang Z, Gonzalez A, Zhou P, Hoffman HM, Mak RH. (2021) The role of IL-1 in adipose browning and muscle wasting in CKD-associated cachexia. <i>Sci Rep.</i> 11(1):15141. PMID: <a href="#">PMC8302616</a>
83. Arai Y, Yamaoka Y, Morioka S. (2021) Sweeping Up Dying Cells during Tissue Injury. <i>Nephron.</i> 1-4. PMID: <a href="#">PMC8770677</a>
84. Flannery AH, Li X, Delozier NL, Toto RD, Moe OW, Yee J, Neyra JA. (2021) Sepsis-Associated Acute Kidney Disease and Long-term Kidney Outcomes. <i>Kidney Med.</i> 3(4):507-514.e1. PMID: <a href="#">PMC8350838</a>
85. Hu M, Tiwary E, Prasain JK, Miller M, Serra R. (2021) Mechanisms of TGFβ in prostaglandin synthesis and sperm guidance in <i>Caenorhabditis elegans</i> . <i>Dev Dyn.</i> 250(7):932-942. PMID: <a href="#">PMC9010029</a>
86. Piret SE, Guo Y, Attallah AA, Horne SJ, Zollman A, Owusu D, Henein J, Sidorenko VS, Revelo MP, Hato T, Ma'ayan A, He JC, Mallipattu SK. (2021) Krüppel-like factor 6-mediated loss of BCAA catabolism contributes to kidney injury in mice and humans. <i>Proc Natl Acad Sci U S A.</i> 118(23):e2024414118. PMID: <a href="#">PMC8201852</a>
87. Hyndman KA, Griffin MD. (2021) Could NAD <sup>+</sup> Precursor Supplements Induce a Legacy of Protection against Diabetic Nephropathy? <i>J Am Soc Nephrol.</i> 32(6):1270-1273. PMID: <a href="#">PMC8259642</a>
88. Askenazi DJ, Heagerty PJ, Schmicker RH, Brophy P, Juul SE, Goldstein SL, Hingorani S; PENUT Trial Consortium. (2021) The Impact of Erythropoietin on Short- and Long-Term Kidney-Related Outcomes in Neonates of Extremely Low Gestational Age. Results of a Multicenter, Double-Blind, Placebo-Controlled Randomized Clinical Trial. <i>J Pediatr.</i> 232:65-72.e7. PMID: <a href="#">PMC8093092</a>
89. Payne GA, Sharma NS, Lal CV, Song C, Guo L, Margaroli C, Viera L, Kumar S, Li J, Xing D, Bosley M, Xu X, Wells JM, George JF, Tallaj J, Leeser M, Blalock JE, Gaggar A. (2021) Prolyl endopeptidase contributes to early neutrophilic inflammation in acute myocardial transplant rejection. <i>JCI Insight.</i> 22;6(6):e139687. PMID: <a href="#">PMC8026194</a>
90. Awdishu L, Le A, Amato J, Jani V, Bal S, Mills RH, Carrillo-Terrazas M, Gonzalez DJ, Tolwani A, Acharya A, Cerda J, Joy MS, Nicoletti P, Macedo E, Vaingankar S, Mehta R, RamachandraRao SP, On Behalf Of The Direct Investigators. (2021) Urinary Exosomes Identify Inflammatory Pathways in Vancomycin Associated Acute Kidney Injury. <i>Int J Mol Sci.</i> 10;22(6):2784. PMID: <a href="#">PMC7999309</a>
91. Kumar P, Patel M, Oster RA, Yarlagadda V, Ambrosetti A, Assimos DG, Mitchell T. (2021) Dietary Oxalate Loading Impacts Monocyte Metabolism and Inflammatory Signaling in Humans. <i>Front Immunol.</i> 25;12:617508. PMID: <a href="#">PMC7959803</a>
92. Vallon V, Verma S. (2021) Effects of SGLT2 Inhibitors on Kidney and Cardiovascular Function. <i>Annu Rev Physiol.</i> 83:503-528. PMID: <a href="#">PMC8017904</a>

93. Janosevic D, Myslinski J, McCarthy TW, Zollman A, Syed F, Xuei X, Gao H, Liu YL, Collins KS, Cheng YH, Winfree S, El-Achkar TM, Maier B, Melo Ferreira R, Eadon MT, Hato T, Dagher PC (2021) The orchestrated cellular and molecular responses of the kidney to endotoxin define a precise sepsis timeline. <i>Elife</i> . 10:e62270. PMID: <a href="#">PMC7810465</a>
94. Warnock DG, Neyra JA, Macedo E, Miles AD, Mehta RL, Wanner C. (2021) Comparison of Static and Dynamic Baseline Creatinine Surrogates for Defining Acute Kidney Injury. <i>Nephron</i> .145(6):664-674. PMID: <a href="#">PMC8595494</a>
95. Vásquez Jiménez E, Anumudu SJ, Neyra JA. (2021) Dose of Continuous Renal Replacement Therapy in Critically Ill Patients: A Bona Fide Quality Indicator. <i>Nephron</i> . 145(2):91-98. PMID: <a href="#">PMC7965247</a>
96. Feng W, Ying WZ, Li X, Curtis LM, Sanders PW. (2021) Renoprotective effect of <i>Stat1</i> deletion in murine aristolochic acid nephropathy. <i>Am J Physiol Renal Physiol</i> . 320(1):F87-F96; PMID: <a href="#">PMC7722081</a>
97. Ajmera V, Thompson WK, Smith DM, Malhotra A, Mehta RL, Tolia V, Yin J, Sriram K, Insel PA, Collier S, Richards L, Loomba R. (2021) RAMIC: Design of a randomized, double-blind, placebo-controlled trial to evaluate the efficacy of ramipril in patients with COVID-19. <i>Contemp Clin Trials</i> . 103:106330. PMID: <a href="#">PMC7899027</a> .
98. Alasmari F, Crotty Alexander LE, Hammad AM, Horton A, Alhaddad H, Schiefer IT, Shin J, Moshensky A, Sari Y. (2021) E-cigarette aerosols containing nicotine modulate nicotinic acetylcholine receptors and astroglial glutamate transporters in mesocorticolimbic brain regions of chronically exposed mice. <i>Chem Biol Interact</i> . 333:109308. PMID: <a href="#">PMC7752837</a> .
99. Bullen AL, Garimella PS. (2021) Beyond the Glomerulus-Kidney Tubule Markers and Diabetic Kidney Disease Progression. <i>Kidney Int Rep</i> . 6(5):1200-1202. PMID: <a href="#">PMC8116901</a> .
100. Buford TW, Sun Y, Roberts LM, Banerjee A, Peramsetty S, Knighton A, Verma A, Morgan D, Torres GE, Li Q, Carter CS. (2021) Angiotensin (1-7) delivered orally via probiotic, but not subcutaneously, benefits the gut-brain axis in older rats. <i>Geroscience</i> . 42(5):1307-1321. PMID: <a href="#">PMC7525634</a> .
101. Curtis LM, George J, Vallon V, Barnes S, Darley-Usmar VM, Vaingankar SM, Cutter G, Gutierrez O, Seifert M, Ix J, Mehta R, Sanders PW, Agarwal A. (2021) UAB-UCSD O'Brien Center for Acute Kidney Injury Research. <i>Am J Physiol Renal Physiol</i> . 320(5):F870-F882. PMID: <a href="#">PMC8424552</a>
102. Feng W, Remedies CE, Obi IE, Aldous SR, Meera SI, Sanders P, Inscho EW, Guan Z. (2021) Restoration of Afferent Arteriolar Autoregulatory Behavior in Ischemia-Reperfusion Injury in Rat Kidneys. <i>Am J Physiol Renal Physiol</i> . 320(1):F87-F96. PMID: <a href="#">PMC7847048</a> .
103. Hepokoski M, Wang J, Li K, Li Y, Gupta P, Mai T, Moshensky A, Alotaibi M, Crotty Alexander LE, Malhotra A, Singh P. (2021) Altered lung metabolism and mitochondrial DAMPs in lung injury due to acute kidney injury. <i>Am J Physiol Lung Cell Mol Physiol</i> . 320(5):L821-L831. PMID: <a href="#">PMC8174821</a>
104. Kumar P, Patel M, Oster RA, Yarlagadda V, Ambrosetti A, Assimos DG, Mitchell T. (2021) Dietary Oxalate Loading Impacts Monocyte Metabolism and Inflammatory Signaling in Humans. <i>Front Immunol</i> . 12:617508. PMID: <a href="#">PMC7959803</a> .
105. Neyra JA, Kashani K. (2021) Improving the quality of care for patients requiring continuous renal replacement therapy. <i>Semin Dial</i> . 34(6):501-509. PMID: 33811790.
106. Neyra JA, Tolwani A. (2021) CRRT prescription and delivery of dose. <i>Semin Dial</i> . 34(6):432-439. PMID: 33909931.
107. Osis G, Traylor AM, Black LM, Spangler D, George JF, Zarjou A, Verlander JW, Agarwal A. (2021) Expression of Lactate Dehydrogenase A and B isoforms in the mouse kidney. <i>Am J Physiol Renal Physiol</i> . 320(5):F706-F718. PMID: <a href="#">PMC8424554</a> .
108. Rooj AK, Cormet-Boyaka E, Clark EB, Qadri YJ, Lee W, Boddu R, Agarwal A, Tambi R, Uddin M, Parpura V, Sorscher EJ, Fuller CM, Berdiev BK. (2021) Association of Cystic Fibrosis Transmembrane Conductance Regulator with Epithelial Sodium Channel Subunits Carrying Liddle's Syndrome Mutations. <i>Am J Physiol Lung Cell Mol Physiol</i> . 321(2):L308-L320. PMID: PMC8410115
109. Thomson SC, Vallon V. (2021) Effects of SGLT2 Inhibitor and Dietary NaCl on Glomerular Hemodynamics Assessed by Micropuncture in Diabetic Rats. <i>Am J Physiol Renal Physiol</i> . 320(5):F761-F771/ PMID: <a href="#">PMC8174804</a>
110. Wood KD, Freeman BL, Killian ME, Lai WS, Assimos D, Knight J, Fargue S. (2021) Effect of alanine supplementation on oxalate synthesis. <i>Biochim Biophys Acta Mol Basis Dis</i> . 1867(1):165981. PMID: <a href="#">PMC7722081</a> .
111. Ying KE, Feng W, Ying WZ, Sanders PW. (2021) Cellular antioxidant mechanisms control immunoglobulin light chain-mediated proximal tubule injury. <i>Free Radic Biol Med</i> . 171:80-90. PMID: <a href="#">PMC8217262</a> .





2020
112. Abudayyeh A, Lin H, Mamlouk O, Abdelrahim M, Saliba R, Rondon G, Martinez CS, Delgado R, Page V, Rajasekaran A, Sanders PW, Qazilbash M. (2020) Impact of autologous stem cell transplantation on long term renal function and associated progression-free and overall survival in multiple myeloma. <i>Leuk Lymphoma</i> . 61(13):3101-3111. PMID: <a href="#">PMC9074107</a>
113. Acin-Perez R, Benador IY, Petcherski A, Veliova M, Benavides GA, Lagarrigue S, Caudal A, Vergnes L, Murphy AM, Karamanlidis G, Tian R, Reue K, Wanagat J, Sacks H, Amati F, Darley-Usmar VM, Liesa M, Divakaruni AS, Stiles L, Shirihai OS. (2020) A novel approach to measure mitochondrial respiration in frozen biological samples. <i>EMBO J</i> . 39(13):e104073. PMID: <a href="#">PMC7327496</a> .
114. Andringa KK. (2020) Proceedings of the 10th Annual UAB-UCSD O'Brien Center Symposium: Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management. <i>Nephron</i> . 2020;144(12):607-208. PMID: <a href="#">PMC7708519</a>
115. Bouchard J, Mehta R. (2020) Wait and see approach for dialysis in acute kidney injury. <i>Nat Rev Nephrol</i> . 16(12):707-708.
116. Bush KT, Singh P, Nigam SK. (2020) Gut-derived uremic toxin handling in vivo requires OAT-mediated tubular secretion in chronic kidney disease. <i>JCI Insight</i> . 5(7):e133817. PMID: <a href="#">PMC7205256</a> .
117. Falzon I, Northrup H, Guo L, Totenhagen J, Lee T, Shiu YT. (2020) The geometry of arteriovenous fistulas using endothelial nitric oxide synthase mouse models. <i>Kidney360</i> . 1(9):925-935. PMID: <a href="#">PMC7591147</a> .
118. Feng W, Guan Z, Xing D, Li X, Ying WZ, Remedies CE, Inscho EW, Sanders PW. (2020) Avian erythroblastosis virus E26 oncogene homolog-1 (ETS-1) plays a role in renal microvascular pathophysiology in the Dahl salt-sensitive rat. <i>Kidney Int</i> . 97(3):528-537. PMID: <a href="#">PMC7039742</a> .
119. Feng W, Ying WZ, Li X, Curtis LM, Sanders PW. (2020) Renoprotective effect of Stat1 deletion in murine aristolochic acid nephropathy. <i>Am J Physiol Renal Physiol</i> . [Epub ahead of print.]
120. Hyndman KA. (2020) Histone Deacetylases in Kidney Physiology and Acute Kidney Injury. <i>Semin Nephrol</i> . 40(2):138-147. PMID: <a href="#">PMC7172006</a> .
121. Hyndman KA, Speed JS, Mendoza LD, Allan JM, Colson J, Sedaka R, Jin C, Jung HJ, El-Dahr S, Pollock DM, Pollock JS. (2020) Fluid-electrolyte homeostasis requires histone deacetylase function. <i>JCI Insight</i> . 5(16):e137792. PMID: <a href="#">PMC7455138</a> .
122. Koepsell H, Vallon V. (2020) A special issue on glucose transporters in health and disease. <i>Pflugers Arch</i> . 472(9):1107-1109. PMID: <a href="#">PMC7484381</a> .
123. Kasztan M, Aban I, Hande SP, Pollock DM, Lebensburger JD. (2020) Sex differences in the trajectory of glomerular filtration rate in pediatric and murine sickle cell anemia. <i>Blood Adv</i> . 4(2):263-265. PMID: <a href="#">PMC6988403</a> .
124. Li Y, Nourbakhsh N, Pham H, Tham R, Zuckerman JE, Singh P. (2020) Evolution of Altered Tubular Metabolism and Mitochondrial Function in Sepsis Associated Acute Kidney Injury. <i>Am J Physiol Renal Physiol</i> . 319(2):F229-F244. PMID: <a href="#">PMC7473900</a> .
125. Lu A, Pallero MA, Owusu BY, Borovjagin AV, Lei W, Sanders PW, Murphy-Ullrich JE. (2020) Calreticulin is important for the development of renal fibrosis and dysfunction in diabetic nephropathy. <i>Matrix Biol Plus</i> . 8:100034. PMID: <a href="#">PMC7852315</a> .
126. Masuda T, Muto S, Fukuda K, Watanabe M, Ohara K, Koepsell H, Vallon V, Nagata D. (2020) Osmotic diuresis by SGLT2 inhibition stimulates vasopressin-induced water reabsorption to maintain body fluid volume. <i>Physiol Rep</i> . 8(2):e14360. PMID: <a href="#">PMC6987478</a> .
127. Mir SA, Biswas N, Cheung W, Wan J, Webster N, Macedo E, O'Connor DT, Vaingankar SM. (2020) Chromogranin A pathway: from pathogenic molecule to renal disease. <i>J Hypertens</i> . 38(3):456-466. PMID: 31714338. PMID: <a href="#">PMC9109708</a>
128. Miramontes-González JP, Usategui-Martín R, Martín-Vallejo J, Ziegler M, de Isla LL, O Connor D, González-Sarmiento R. (2020) VAV3 rs7528153 and VAV3-AS1 rs1185222 polymorphisms are associated with an increased risk of developing hypertension. <i>Eur J Intern Med</i> . 80:60-65.
129. Mondal P, Wijeratne GB. (2020) Modeling Tryptophan/Indoleamine 2,3-Dioxygenase with Heme Superoxide Mimics: Is Ferryl the Key Intermediate? <i>J Am Chem Soc</i> . 142(4):1846-1856. PMID: 31870154.
130. Nespoux J, Vallon V. (2020) Renal effects of SGLT2 inhibitors: an update. <i>Curr Opin Nephrol Hypertens</i> . 29(2):190-198. PMID: <a href="#">PMC7224333</a> . PMID: <a href="#">PMC7224333</a>

131. Onishi A, Fu Y, Patel R, Darshi M, Crespo-Masip M, Huang W, Song P, Freeman B, Kim YC, Soleimani M, Sharma K, Thomson SC, Vallon V. (2020) A role for the tubular Na <sup>+</sup> -H <sup>+</sup> -exchanger NHE3 in the natriuretic effect of the SGLT2 inhibitor empagliflozin. <i>Am J Physiol Renal Physiol</i> . 319(4):F712-F728. PMID: <a href="#">PMC7642886</a> .
132. Osto C, Benador IY, Ngo J, Liesa M, Stiles L, Acin-Perez R, Shirihai OS. (2020) Measuring Mitochondrial Respiration in Previously Frozen Biological Samples. <i>Curr Protoc Cell Biol</i> . 89(1):e116.
133. Rasmussen LW, Stanford D, Patel K, Raju SV. (2020) Evaluation of secondhand smoke effects on CFTR function in vivo. <i>Respir Res</i> . 21(1):70. PMID: <a href="#">PMC7082971</a> .
134. Royal V, Leung N, Troyanov S, Nasr SH, Écotière L, LeBlanc R, Adam BA, Angioi A, Alexander MP, Asunis AM, Barreca A, Bianco P, Cohen C, Drosou ME, Fatima H, Fenoglio R, Gougeon F, Goujon JM, Herrera GA, Knebelmann B, Lepori N, Maletta F, Manso R, Motwani SS, Pani A, Rabant M, Rennke HG, Rocatello D, Rosenblum F, Sanders PW, Santos A, Soto K, Sis B, Touchard G, Venner CP, Bridoux F. (2020) Clinicopathologic predictors of renal outcomes in light chain cast nephropathy: a multicenter retrospective study. <i>Blood</i> . 135(21):1833-1846. PMID: <a href="#">PMC7243151</a> .
135. Shin B, Benavides GA, Geng J, Koralov SB, Hu H, Darley-Usmar VM, Harrington LE. (2020) Mitochondrial Oxidative Phosphorylation Regulates the Fate Decision between Pathogenic Th17 and Regulatory T Cells. <i>Cell Rep</i> . 30(6):1898-1909. PMID: <a href="#">PMC9059282</a>
136. Smith MR, Chacko BK, Johnson MS, Benavides GA, Uppal K, Go YM, Jones DP, Darley-Usmar VM. (2020) A precision medicine approach to defining the impact of doxorubicin on the bioenergetic-metabolite interactome in human platelets. <i>Redox Biol</i> . 28:101311. PMID: <a href="#">PMC6812033</a> .
137. Srivastava RK, Muzaffar S, Khan J, Traylor AM, Zmijewski JW, Curtis LM, George JF, Ahmad A, Antony VB, Agarwal A, Athar M. (2020) Protective role of HO-1 against acute kidney injury caused by cutaneous exposure to arsenicals. <i>Ann N Y Acad Sci</i> 1480(1):155-169. PMID: <a href="#">PMC9109234</a>
138. Upadhyay R, Ying WZ, Nasrin Z, Safah H, Jaimes EA, Feng W, Sanders PW, Batuman V. (2020) Free light chains injure proximal tubule cells through the STAT1/HMGB1/TLR axis. <i>JCI Insight</i> . 5(14):e137191. PMID: <a href="#">PMC7453901</a> .
139. Vallon V. (2020) Glucose transporters in the kidney in health and disease. <i>Pflugers Arch</i> . 472(9):1345-1370. PMID: <a href="#">PMC7483786</a> .
140. Vallon V, Thomson SC. (2020) The tubular hypothesis of nephron filtration and diabetic kidney disease. <i>Nat Rev Nephrol</i> . 16(6):317-336. PMID: <a href="#">PMC7242158</a>
141. Vallon V, Unwin R, Inscho EW, Leipziger J, Kishore BK. (2020) Extracellular Nucleotides and P2 Receptors in Renal Function. <i>Physiol Rev</i> . 100(1):211–269. PMID: <a href="#">PMC6985785</a> .
142. Wang X, Liu J, Yin W, Abdi F, Pang PD, Fucci QA, Abbott M, Chang SL, Steele G, Patel A, Mori Y, Zhang A, Zhu A, Lu TS, Kibel AS, Wang B, Lim K, Siedlecki AM. (2020) miR-218 Expressed in Endothelial Progenitor Cells Contributes to the Development and Repair of the Kidney Microvasculature. <i>Am J Pathol</i> . 190(3):642–659. PMID: <a href="#">PMC7068533</a> .
143. Widmeier E, Yu S, Nag A, Chung YW, Nakayama M, Fernández-Del-Río L, Hugo H, Schapiro D, Buerger F, Choi WI, Helmstädter M, Kim JW, Ryu JH, Lee MG, Clarke CF, Hildebrandt F, Gee HY. (2020) ADCK4 Deficiency Destabilizes the Coenzyme Q Complex, Which Is Rescued by 2,4-Dihydroxybenzoic Acid Treatment. <i>J Am Soc Nephrol</i> . 31(6):1191-1211. PMID: <a href="#">PMC7269352</a> .
144. Yadav P, Sathick IJ, Leung N, Brown EE, Cook M, Sanders PW, Cockwell P. (2020). Serum free light chain level at diagnosis in myeloma cast nephropathy-a multicentre study. <i>Blood Cancer J</i> , 10(3), 28. PMID: <a href="#">PMC7054310</a> .
145. Zimmerman KA, Huang J, He L, Revell DZ, Li Z, Hsu JS, Fitzgibbon WR, Hazard ES, Hardiman G, Mrug M, Bell PD, Yoder BK, Saigusa T. (2020) Interferon Regulatory Factor-5 in Resident Macrophage Promotes Polycystic Kidney Disease. <i>Kidney360</i> . 1(3):179-190. PMID: <a href="#">PMC7822573</a> .

2019
146. Alasmari F, Crotty Alexander LE, Hammad AM, Bojanowski CM, Moshensky A, Sari Y. (2019) Effects of Chronic Inhalation of Electronic Cigarette Vapor Containing Nicotine on Neurotransmitters in the Frontal Cortex and Striatum of C57BL/6 Mice. <i>Front Pharmacol.</i> 10:885. PMID: <a href="#">PMC6699083</a> .
147. Andringa KK, Mehta RL, Sanders PW, Agarwal A. (2019) Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management: Proceedings of the 9th Annual UAB-UCSD O'Brien Center Symposium. <i>Nephron.</i> 143(3):153.
148. Balkawade RS, Chen C, Crowley MR, Crossman DK, Clapp WL, Verlander JW, Marshall CB. (2019) Podocyte-specific expression of Cre recombinase promotes glomerular basement membrane thickening. <i>Am J Physiol Renal Physiol.</i> 316(5):F1026-F1040.
149. Basu RK. (2019) Targeting Acute Kidney Injury: Can an Innovative Approach to Existing and Novel Biomarkers Shift the Paradigm?. <i>Nephron.</i> 143(3):207–210.
150. Billings FT 4th. (2019) Acute Kidney Injury following Cardiac Surgery: A Clinical Model. <i>Nephron.</i> 143(3):202–206. PMID: <a href="#">PMC6821568</a> .
151. Black LM, Lever JM, Agarwal A. (2019) Renal Inflammation and Fibrosis: A Double-edged Sword. <i>J Histochem Cytochem.</i> 67(9):663-681. PMID: <a href="#">PMC6713973</a> .
152. Brawner KM, Yeramilli VA, Duck LW, Van Der Pol W, Smythies LE, Morrow CD, Elson CO, Martin CA. (2019) Depletion of dietary aryl hydrocarbon receptor ligands alters microbiota composition and function. <i>Sci Rep.</i> 9(1):14724. PMID: <a href="#">PMC6789125</a> .
153. Butts B, Calhoun DA, Denney TS Jr, Lloyd SG, Gupta H, Gaddam KK, Aban I, Oparil S, Sanders PW, Patel R, Collawn JF, Dell'Italia LJ. (2019) Plasma xanthine oxidase activity is related to increased sodium and left ventricular hypertrophy in resistant hypertension. <i>Free Radic Biol Med.</i> 134:343-349. PMID: <a href="#">PMC6588431</a> .
154. Chacko BK, Smith MR, Johnson MS, Benavides G, Culp ML, Pilli J, Shiva S, Uppal K, Go YM, Jones DP, Darley-Usmar VM. (2019) Mitochondria in precision medicine; linking bioenergetics and metabolomics in platelets. <i>Redox Biol.</i> 22:101165. PMID: <a href="#">PMC6436140</a> .
155. Dudoignon E, Dépret F, Legrand M. (2019) Is the Renin-Angiotensin-Aldosterone System Good for the Kidney in Acute Settings?. <i>Nephron.</i> 143(3):179–183.
156. Fattah H, Layton A, Vallon V. (2019) How Do Kidneys Adapt to a Deficit or Loss in Nephron Number? <i>Physiology (Bethesda).</i> 34(3):189-197. PMID: <a href="#">PMC6734068</a> .
157. Genschmer KR, Russell DW, Lal C, Szul T, Bratcher PE, Noerager BD, Abdul Roda M, Xu X, Rezonzew G, Viera L, Dobosh BS, Margaroli C, Abdalla TH, King RW, McNicholas CM, Wells JM, Dransfield MT, Tirouvanziam R, Gaggar A, Blalock JE. (2019) Activated PMN Exosomes: Pathogenic Entities Causing Matrix Destruction and Disease in the Lung. <i>Cell.</i> 176(1-2):113-126. PMID: <a href="#">PMC6368091</a> .
158. Gewin LS. (2019) Transforming Growth Factor- $\beta$ in the Acute Kidney Injury to Chronic Kidney Disease Transition. <i>Nephron.</i> 143(3):154-157. PMID: <a href="#">PMC6821554</a> .
159. Heaven MR, Wilson L, Barnes S, Brenner M. (2019) Relative stabilities of wild-type and mutant glial fibrillary acidic protein in patients with Alexander disease. <i>J Biol Chem.</i> 294(43):15604-15612. PMID: <a href="#">PMC6816090</a> .
160. Hill BG, Shiva S, Ballinger S, Zhang J, Darley-Usmar VM. (2019) Bioenergetics and translational metabolism: implications for genetics, physiology and precision medicine. <i>Biol Chem.</i> 401(1):3-29. PMID: <a href="#">PMC6944318</a>
161. Hyndman KA, Kasztan M, Mendoza LD, Monteiro-Pai S. (2019) Dynamic changes in histone deacetylases following kidney ischemia-reperfusion injury are critical for promoting proximal tubule proliferation. <i>Am J Physiol Renal Physiol.</i> 316(5):F875-F888. PMID: <a href="#">PMC6580243</a> .
162. Kasztan M, Fox BM, Lebensburger JD, Hyndman KA, Speed JS, Pollock JS, Pollock DM. (2019) Hyperfiltration predicts long-term renal outcomes in humanized sickle cell mice. <i>Blood Adv.</i> 3(9):1460-1475. PMID: <a href="#">PMC6517665</a> .
163. Kellum JA, Wen X, de Caestecker MP, Hukriede NA. (2019) Sepsis-Associated Acute Kidney Injury: A Problem Deserving of New Solutions. <i>Nephron.</i> 143(3):174–178. PMID: <a href="#">PMC6813847</a> .
164. Kirita Y, Chang-Panesso M, Humphreys BD. (2019) Recent Insights into Kidney Injury and Repair from Transcriptomic Analyses. <i>Nephron.</i> 143(3):162–165. PMID: <a href="#">PMC6821561</a> .

165. Krishnan V, Booker D, Cunningham G, Jadapalli JK, Kain V, Pullen AB, Halade GV. (2019) Pretreatment of carprofen impaired initiation of inflammatory- and overlapping resolution response and promoted cardiorenal syndrome in heart failure. <i>Life Sci.</i> 218:224-232. PMID: <a href="#">PMC6462225</a> .
166. LaFavers KA, Macedo E, Garimella PS, Lima C, Khan S, Myslinski J, McClintick J, Witzmann FA, Winfree S, Phillips CL, Hato T, Dagher PC, Wu XR, El-Achkar TM, Micanovic R. (2019) Circulating uromodulin inhibits systemic oxidative stress by inactivating the TRPM2 channel. <i>Sci Transl Med.</i> 11(512):eaaw3639. PMID: PMC7034444.
167. Leaf DE, Rajapurkar M, Lele SS, Mukhopadhyay B, Boerger EAS, Mc Causland FR, Eisenga MF, Singh K, Babitt JL, Kellum JA, Palevsky PM, Christov M, Waikar SS. (2019) Iron, Heparin, and Death in Human AKI. <i>J Am Soc Nephrol.</i> 30(3):493-504. PMID: <a href="#">PMC6405140</a> .
168. Lever JM, Hull TD, Boddu R, Pepin ME, Black LM, Adedoyin OO, Yang Z, Traylor AM, Jiang Y, Li Z, Peabody JE, Eckenrode HE, Crossman DK, Crowley MR, Bolisetty S, Zimmerman KA, Wende AR, Mrug M, Yoder BK, Agarwal A, George JF. (2019) Resident macrophages reprogram toward a developmental state after acute kidney injury. <i>JCI Insight.</i> 4(2):pii:125503. PMID: <a href="#">PMC6413788</a> .
169. Lewis WR, Bales KL, Revell DZ, Croyle MJ, Engle SE, Song CJ, Malarkey EB, Uytingco CR, Shan D, Antonellis PJ, Nagy TR, Kesterson RA, Mrug MM, Martens JR, Berbari NF, Gross AK, Yoder BK. (2019) Mks6 mutations reveal tissue- and cell type-specific roles for the cilia transition zone. <i>FASEB J.</i> 33(1):1440-1455. PMID: <a href="#">PMC6355093</a> .
170. Lobo PI, Okusa MD. (2019) Role of Natural IgM and IgM Induced Bregs in Preventing Ischemia Induced Innate Inflammation and Acute Kidney Injury. <i>Nephron.</i> 143(3):166–169. PMID: <a href="#">PMC6821571</a> .
171. Macedo E, Lima C. (2019) Comprehensive Assessment of Kidney Health in Acute Kidney Injury: Can It Be Achieved? <i>Nephron.</i> 143(3):188–192. PMID: <a href="#">PMC6821574</a> .
172. Macedo E, Mehta RL. (2019) Does acute kidney disease following primary percutaneous coronary intervention lead to chronic kidney disease development and progression? <i>Coron Artery Dis.</i> 30(2):93-94. PMID: <a href="#">PMC6417504</a> .
173. Mannon RB. (2019) Acute Kidney Injury in Kidney Transplants: New Insights. <i>Nephron.</i> 143(3):193–196.
174. Miramontes-Gonzalez JP, Hightower M, Zhang K, Kurosaki H, Schork AJ, Biswas N, Vaingankar S, Mahata M, Lipkowitz MS, Nievergelt CM, Baker DG, Ziegler MG, León-Jiménez D, González-Sarmiento R, Ichinose H, O'Connor DT. (2019) A new common functional coding variant at the DDC gene change renal enzyme activity and modify renal dopamine function. <i>Sci Rep.</i> 9(1):5055. PMID: <a href="#">PMC6433864</a> .
175. Moledina DG, Parikh CR. (2019) Differentiating Acute Interstitial Nephritis from Acute Tubular Injury: A Challenge for Clinicians. <i>Nephron.</i> 143(3):211–216. PMID: <a href="#">PMC6821567</a> .
176. Montomoli J, Donati A, Ince C. (2019) Acute Kidney Injury and Fluid Resuscitation in Septic Patients: Are We Protecting the Kidney?. <i>Nephron.</i> 143(3):170–173. PMID: <a href="#">PMC6878740</a> .
177. Mrug S, Orihuela C, Mrug M, Sanders PW. (2019) Sodium and potassium excretion predict increased depression in urban adolescents. <i>Physiol Rep.</i> 7(16):e14213. PMID: <a href="#">PMC6708056</a> .
178. Mustian MN, Kumar V, Stegner K, Mompoin-Williams D, Hanaway M, Deierhoi MH, Young C, Orandi BJ, Anderson D, MacLennan PA, Reed RD, Shelton BA, Eckhoff D, Locke JE. (2019) Mitigating Racial and Sex Disparities in Access to Living Donor Kidney Transplantation: Impact of the Nation's Longest Single-center Kidney Chain. <i>Ann Surg.</i> 270(4):639-646. PMID: <a href="#">PMC6788625</a> .
179. Nespoux J, Patel R, Hudkins KL, Huang W, Freeman B, Kim YC, Koepsell H, Alpers CE, Vallon V. (2019) Gene deletion of the Na <sup>+</sup> -glucose cotransporter SGLT1 ameliorates kidney recovery in a murine model of acute kidney injury induced by ischemia-reperfusion. <i>Am J Physiol Renal Physiol.</i> 316(6):F1201-F1210. PMID: <a href="#">PMC6620597</a> .
180. Novikov A, Fu Y, Huang W, Freeman B, Patel R, van Ginkel C, Koepsell H, Buslinger M, Onishi A, Nespoux J, Vallon V. (2019) SGLT2 inhibition and renal urate excretion: role of luminal glucose, GLUT9, and URAT1. <i>Am J Physiol Renal Physiol.</i> 316(1):F173-F185. PMID: <a href="#">PMC6383194</a> .
181. Onishi A, Fu Y, Darshi M, Crespo-Masip M, Huang W, Song P, Patel R, Kim YC, Nespoux J, Freeman B, Soleimani M, Thomson S, Sharma K, Vallon V. (2019) Effect of renal tubule-specific knockdown of the Na <sup>+</sup> /H <sup>+</sup> exchanger NHE3 in Akita diabetic mice. <i>Am J Physiol Renal Physiol.</i> 317(2):F419-F434. PMID: <a href="#">PMC6732454</a> .
182. Pagani F, Cantaluppi V. (2019) Renal Injury During Preclampsia: Role of Extracellular Vesicles. <i>Nephron.</i> 143(3):197–201.

183. Panthi S, Chen J, Wilson L, Nichols JJ. (2019) Detection of Lipid Mediators of Inflammation in the Human Tear Film. <i>Eye Contact Lens</i> . 45(3):171-181. PMID: <a href="#">PMC6450790</a> .
184. Parikh SM. (2019) Metabolic Stress Resistance in Acute Kidney Injury: Evidence for a PPAR-Gamma-Coactivator-1 Alpha-Nicotinamide Adenine Dinucleotide Pathway. <i>Nephron</i> . 143(3):184–187. PMID: <a href="#">PMC6821556</a> .
185. Paulsen G, Cumagun P, Mixon E, Fowler K, Feig D, Shimamura M. (2019) Cytomegalovirus and Epstein-Barr virus infections among pediatric kidney transplant recipients at a center using universal Valganciclovir Prophylaxis. <i>Pediatr Transplant</i> . 23(3):e13382. PMID: <a href="#">PMC6650320</a> .
186. Pike D, Shiu YT, Cho YF, Le H, Somarathna M, Isayeva T, Guo L, Symons JD, Kevil CG, Totenhagen J, Lee T. (2019) The effect of endothelial nitric oxide synthase on the hemodynamics and wall mechanics in murine arteriovenous fistulas. <i>Sci Rep</i> . 9(1):4299. PMID: <a href="#">PMC6414641</a> .
187. Poudel N, Okusa MD. (2019) Pannexins in Acute Kidney Injury. <i>Nephron</i> . 143(3):158-161. PMID: <a href="#">PMC6821569</a> .
188. Ramos S, Carlos AR, Sundaram B, Jeney V, Ribeiro A, Gozzelino R, Bank C, Gjini E, Braza F, Martins R, Ademolue TW, Blankenhaus B, Gouveia Z, Faísca P, Trujillo D, Cardoso S, Rebelo S, Del Barrio L, Zarjou A, Bolisetty S, Agarwal A, Soares MP. (2019) Renal control of disease tolerance to malaria. <i>Proc Natl Acad Sci USA</i> . 116(2):5681-5686. PMID: <a href="#">PMC6431151</a> .
189. Reily C, Stewart TJ, Renfrow MB, Novak J. (2019) Glycosylation in health and disease. <i>Nat Rev Nephrol</i> . 15(6):346-366. PMID: <a href="#">PMC6590709</a> .
190. Shan D, Rezonzew G, Mullen S, Roye R, Zhou J, Chumley P, Revell DZ, Challa A, Kim H, Lockhart ME, Schoeb TR, Croyle MJ, Kesterson RA, Yoder BK, Guay-Woodford LM, Mrug M. (2019) Heterozygous Pkhd1 <sup>C642*</sup> mice develop cystic liver disease and proximal tubule ectasia that mimics radiographic signs of medullary sponge kidney. <i>Am J Physiol Renal Physiol</i> . 316(3):F463-F472. PMID: <a href="#">PMC6442377</a> .
191. Song P, Huang W, Onishi A, Patel R, Kim YC, van Ginkel C, Fu Y, Freeman B, Koepsell H, Thomson S, Liu R, Vallon V. (2019) Knockout of Na <sup>+</sup> -glucose cotransporter SGLT1 mitigates diabetes-induced upregulation of nitric oxide synthase NOS1 in the macula densa and glomerular hyperfiltration. <i>Am J Physiol Renal Physiol</i> . 317(1):F207-F217. PMID: <a href="#">PMC6692722</a> .
192. Soni H, Peixoto-Neves D, Olushoga MA, Adebiji A. (2019) Pharmacological inhibition of TRPV4 channels protects against ischemia-reperfusion-induced renal insufficiency in neonatal pigs. <i>Clin Sci (Lond)</i> . 133(9). pii: CS20180815.
193. Tiwary E, Hu M, Miller MA, Prasain JK. (2019) Signature profile of cyclooxygenase-independent F2 series prostaglandins in <i>C. elegans</i> and their role in sperm motility. <i>Sci Rep</i> . 9(1):11750. PMID: <a href="#">PMC6692340</a> .
194. Uchida M, Maier B, Waghwan HK, Selivanovitch E, Pay SL, Avera J, Yun E, Sandoval RM, Molitoris BA, Zollman A, Douglas T, Hato T. (2019) The archaeal Dps nanocage targets kidney proximal tubules via glomerular filtration. <i>J Clin Invest</i> . 129(9):3941-3951. PMID: <a href="#">PMC6715384</a> .
195. Wood KD, Holmes RP, Erbe D, Liebow A, Fargue S, Knight J. (2019) Reduction in urinary oxalate excretion in mouse models of Primary Hyperoxaluria by RNA interference inhibition of liver lactate dehydrogenase activity. <i>Biochim Biophys Acta Mol Basis Dis</i> . 1865(9):2203-2209. PMID: <a href="#">PMC6613992</a> .
196. Ying WZ, Li X, Rangarajan S, Feng W, Curtis LM, Sanders PW. (2019) Immunoglobulin light chains generate proinflammatory and profibrotic kidney injury. <i>J Clin Invest</i> . 130:2792-2806. PMID: <a href="#">PMC6597222</a> .
197. Zarjou A, Black LM, Bolisetty S, Traylor AM, Bowhay SA, Zhang MZ, Harris RC, Agarwal A. (2019) Dynamic signature of lymphangiogenesis during acute kidney injury and chronic kidney disease. <i>Lab Invest</i> . 99(9):1376-1388. PMID: <a href="#">PMC6716993</a> .
198. Zimmerman KA, Bentley MR, Lever JM, Li Z, Crossman DK, Song CJ, Liu S, Crowley MR, George JF, Mrug M, Yoder BK. (2019) Single-Cell RNA Sequencing Identifies Candidate Renal Resident Macrophage Gene Expression Signatures across Species. <i>J Am Soc Nephrol</i> . 30(5):767-781. PMID: <a href="#">PMC6493978</a> .
199. Zimmerman KA, Song CJ, Li Z, Lever JM, Crossman DK, Rains A, Aloria EJ, Gonzalez NM, Bassler JR, Zhou J, Crowley MR, Revell DZ, Yan Z, Shan D, Benveniste EN, George JF, Mrug M, Yoder BK. (2019) Tissue-Resident Macrophages Promote Renal Cystic Disease. <i>J Am Soc Nephrol</i> . 30(10):1841-1856. PMID: <a href="#">PMC6779366</a> .
200. Zumaquero E, Stone SL, Scharer CD, Jenks SA, Nellore A, Mousseau B, Rosal-Vela A, Botta D, Bradley JE, Wojciechowski W, Ptacek T, Danila MI, Edberg JC, Bridges SL, Kimberly RP, Chatham WW, Schoeb TR, Rosenberg AF, Boss JM, Sanz I, Lund FE. (2019) IFN $\gamma$ induces epigenetic programming of human T-bethi B cells and promotes TLR7/8 and IL-21 induced differentiation. <i>Elife</i> 8 pii.e41641. PMID: <a href="#">PMC6544433</a> .

2018
201. Adedoyin O, Boddu R, Traylor AM, Lever JM, Bolisetty S, George J, Agarwal A. (2018) Heme Oxygenase-1 Mitigates Ferroptosis in Renal Proximal Tubule Cells. <i>Am J Physiol Renal Physiol</i> . 314(5):F702-F714. PMID: <a href="#">PMC6031916</a> .
202. Alasmari F, Crotty Alexander LE, Drummond CA, Sari Y. (2018) A computerized exposure system for animal models to optimize nicotine delivery into the brain through inhalation of electronic cigarette vapors or cigarette smoke. <i>Saudi Pharm J</i> . 26(5):622-628. PMID: <a href="#">PMC6035328</a> .
203. Andringa KK, Mehta RL, Sanders PW, Agarwal A. (2018) Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management: Proceedings of the 8th Annual UAB-UCSD O'Brien Center Symposium. <i>Nephron</i> . 140(2):79-80.
204. Arthur JM, Karakala N, Edmondson RD. (2018) Proteomic Analysis for Identification of Biomarkers that Predict Severe Acute Kidney Injury. <i>Nephron</i> . 140(2):129-133. PMID: <a href="#">PMC6398162</a> .
205. Bernard K, Logsdon NJ, Benavides GA, Sanders Y, Zhang J, Darley-Usmar VM, Thannickal VJ. (2018) Glutaminolysis is required for transforming growth factor- $\beta$ 1-induced myofibroblast differentiation and activation. <i>J Biol Chem</i> . 293(4):1218-1228. PMID: <a href="#">PMC5787800</a> .
206. Black LM, Lever JM, Traylor AM, Chen B, Yang Z, Esman SK, Jiang Y, Cutter GR, Boddu R, George JF, Agarwal A. (2018) Divergent effects of AKI to CKD models on inflammation and fibrosis. <i>Am J Physiol Renal Physiol</i> . 315(4):F1107-F1118. PMID: <a href="#">PMC6230746</a> .
207. Crotty Alexander LE, Drummond CA, Hepokoski M, Mathew DP, Moshensky A, Willeford A, Das S, Singh P, Yong Z, Lee JH, Vega K, Du A, Shin J, Javier C, Tian J, Brown JH, Breen EC. (2018) Chronic Inhalation of E-Cigarette Vapor Containing Nicotine Disrupts Airway Barrier Function and Induces Systemic Inflammation and Multi-Organ Fibrosis in Mice. <i>Am J Physiol Regul Integr Comp Physiol</i> . 314(6):R834-R847. PMID: <a href="#">PMC6032308</a> .
208. Endre ZH. (2018) Assessing Renal Recovery after Acute Kidney Injury: Can Biomarkers Help? <i>Nephron</i> . 2018;140(2):86-89.
209. Fattah H, Vallon V. (2018) The Potential Role of SGLT2 Inhibitors in the Treatment of Type 1 Diabetes Mellitus. <i>Drugs</i> . 78(7):717-726. PMID: <a href="#">PMC6429906</a> .
210. Fattah H, Vallon V. (2018) Tubular Recovery after Acute Kidney Injury. <i>Nephron</i> . 140(2):140-143. PMID: <a href="#">PMC6432909</a> .
211. Feng D, Notbohm J, Benjamin A, He S, Wang M, Ang LH, Bantawa M, Bouzid M, Del Gado E, Krishnan R, Pollak MR. (2018) Disease-causing mutation in $\alpha$ -actinin-4 promotes podocyte detachment through maladaptation to periodic stretch. <i>Proc Natl Acad Sci USA</i> . 115(7):1517-1522. PMID: <a href="#">PMC5816190</a> .
212. Fiorentino M, Kellum JA. (2018) Improving Translation from Preclinical Studies to Clinical Trials in Acute Kidney Injury. <i>Nephron</i> . 140(2):81-85.
213. Fu Y, Breljak D, Onishi A, Batz F, Patel R, Huang W, Song P, Freeman B, Mayoux E, Koepsell H, Anzai N, Nigam SK, Sabolić I, Vallon V. (2018) The organic anion transporter OAT3 enhances the glucosuric effect of the SGLT2 inhibitor empagliflozin. <i>Am J Physiol Renal Physiol</i> . 315(2):F386-F394. PMID: <a href="#">PMC6139528</a> .
214. Garg AX, Devereaux PJ, Hill A, Sood M, Aggarwal B, Dubois L, Hiremath S, Guzman R, Iyer V, James M, McArthur E, Moist L, Ouellet G, Parikh CR, Schumann V, Sharan S, Thiessen-Philbrook H, Tobe S, Wald R, Walsh M, Weir M, Pannu N, Curcumin AAA AKI Investigators. (2018) Oral curcumin in elective abdominal aortic aneurysm repair: a multicentre randomized controlled trial. <i>CMAJ</i> . 190(43):E1273-E1280. PMID: <a href="#">PMC6205831</a> .
215. Guan Z, Wang F, Cui X, Inscho EW. (2018) Mechanisms of Sphingosine-1 phosphate-mediated Vasoconstriction of Rat Afferent Arterioles. <i>Acta Physiol (Oxf)</i> . 222(2). PMID: <a href="#">PMC5741527</a> .
216. Hepokoski ML, Malhotra A, Singh P, Crotty Alexander LE. (2018) Ventilator-Induced Kidney Injury: Are Novel Biomarkers the Key to Prevention? <i>Nephron</i> . 140(2):90-93. PMID: <a href="#">PMC6165693</a> .
217. Jones TF, Bekele S, O'Dwyer MJ, Prowle JR. (2018) MicroRNAs in Acute Kidney Injury. <i>Nephron</i> . 140(2):124-128.
218. Layton AT, Edwards A, Vallon V. (2018) Renal potassium handling in rats with subtotal nephrectomy: modeling and analysis. <i>Am J Physiol Renal Physiol</i> . 314(4):F643-F657. PMID: <a href="#">PMC5966763</a> .
219. Layton AT, Vallon V. (2018) Renal tubular solute transport and oxygen consumption: insights from computational models. <i>Curr Opin Nephrol Hypertens</i> . 27(5):384-389.

220. Layton AT, Vallon V. (2018) SGLT2 Inhibition in a Kidney with Reduced Nephron Number: Modeling and Analysis of Solute Transport and Metabolism. <i>Am J Physiol Renal Physiol.</i> 314(5):F969-F984. PMID: <a href="#">PMC6031905</a> .
221. Leaf DE, Siew ED, Eisenga MF, Singh K, Mc Causland FR, Srivastava A, Ikizler TA, Ware LB, Ginde AA, Kellum JA, Palevsky PM, Wolf M, Waikar SS. (2018) Fibroblast Growth Factor 23 Associates with Death in Critically Ill Patients. <i>Clin J Am Soc Nephrol.</i> 13(4):531-541. PMID: <a href="#">PMC5969465</a> .
222. Lever JM, Yang Z, Boddu R, Adedoyin OO, Guo L, Joseph R, Traylor AM, Agarwal A, George JF. (2018) Parabiosis Reveals Leukocyte Dynamics in the Kidney. <i>Lab Invest.</i> 98(3):397-402. PMID: <a href="#">PMC5839939</a> .
223. Li M, Boddeda SR, Chen B, Zeng Q, Schoeb TR, Velazquez VM, Shimamura M. (2018) NK cell and Th17 responses are differentially induced in murine cytomegalovirus infected renal allografts and vary according to recipient virus dose and strain. <i>Am J Transplant.</i> 18(11):2647-2662. PMID: <a href="#">PMC6191363</a> .
224. Maarouf OH, Uehara M, Kasinath V, Solhjou Z, Banouni N, Bahmani B, Jiang L, Yilmam OA, Guleria I, Lovitch SB, Grogan JL, Fiorina P, Sage PT, Bromberg JS, McGrath MM, Abdi R. (2018) Repetitive ischemic injuries to the kidneys result in lymph node fibrosis and impaired healing. <i>JCI Insight.</i> 3(13). pii: 120546. PMID: <a href="#">PMC6124521</a> .
225. Macedo E, Cerdá J, Hingorani S, Hou J, Bagga A, Burdman EA, Rocco VM, Mehta RL. (2018) Recognition and management of acute kidney injury in children: The ISN Oby25 Global Snapshot study. <i>PLoS One.</i> 13(5):e0196586. PMID: <a href="#">PMC5929512</a> .
226. Mannon RB. (2018) Delayed Graft Function: The AKI of Kidney Transplantation. <i>Nephron.</i> 140(2):94-98. PMID: <a href="#">PMC6165700</a> .
227. Masuda T, Watanabe Y, Fukuda K, Watanabe M, Onishi A, Ohara K, Imai T, Koepsell H, Muto S, Vallon V, Nagata D. (2018) Unmasking a sustained negative effect of SGLT2 inhibition on body fluid volume in the rat. <i>Am J Physiol Renal Physiol.</i> 315(3):F653-F664. PMID: <a href="#">PMC6734084</a> .
228. Mills BB, Thomas AD, Riddle NC. (2018) HP1B is a euchromatic Drosophila HP1 homolog with links to metabolism. <i>PLoS One.</i> 13(10):e0205867. PMID: <a href="#">PMC6197686</a> .
229. Mir SA, Li Y, Story JD, Bal S, Awdishu L, Street AA, Mehta RL, Singh P, Vaingankar SM. (2018) Mice overexpressing chromogranin A display hypergranulogenic adrenal glands with attenuated ATP levels contributing to the hypertensive phenotype. <i>J Hypertens.</i> 36(5):1115-1128. PMID: <a href="#">PMC6462411</a> .
230. Nespoux J, Vallon V. (2018) SGLT2 inhibition and kidney protection. <i>Clin Sci (Lond).</i> 132(12):1329-1339. PMID: <a href="#">PMC6648703</a> .
231. Neyra JA, Leaf DE. (2018) Risk Prediction Models for Acute Kidney Injury in Critically Ill Patients: Opus in Progressu. <i>Nephron.</i> 140(2):99-104. PMID: <a href="#">PMC6165676</a> .
232. Palevsky PM. (2018) Endpoints for Clinical Trials of Acute Kidney Injury. <i>Nephron.</i> 140(2):111-115.
233. 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. (2018) Pre-clinical model of severe glutathione peroxidase-3 deficiency and chronic kidney disease results in coronary artery thrombosis and depressed left ventricular function. <i>Nephrol Dial Transplant.</i> 33(6):923-934. PMID: <a href="#">PMC5982720</a>
234. Patel M, Yarlagadda V, Adedoyin O, Saini V, Assimos DG, Holmes RP, Mitchell T. (2018) Oxalate induces mitochondrial dysfunction and disrupts redox homeostasis in a human monocyte derived cell line. <i>Redox Biol.</i> 15:207-215. PMID: <a href="#">PMC5975227</a> .
235. Pathak CM, Ix JH, Anderson CAM, Woodell TB, Smits G, Persky MS, Block GA, Rifkin DE. (2018) Variation in Sodium Intake and Intra-individual Change in Blood Pressure in Chronic Kidney Disease. <i>J Ren Nutr.</i> 28(2):125-128. PMID: <a href="#">PMC5825234</a> .
236. Pier B, Edmonds JW, Wilson L, Arabshahi A, Moore R, Bates GW, Prasain JK, Miller MA. (2018) Comprehensive profiling of prostaglandins in human ovarian follicular fluid using mass spectrometry. <i>Prostaglandins Other Lipid Mediat.</i> 134:7-15. PMID: <a href="#">PMC5803327</a> .
237. Rabb H, Pluznick J, Noel S. (2018) The Microbiome and Acute Kidney Injury. <i>Nephron.</i> 140(2):120-123. PMID: <a href="#">PMC6292672</a> .
238. Redmann M, Benavides GA, Wani WY, Berryhill TF, Ouyang X, Johnson MS, Ravi S, Mitra K, Barnes S, Darley-Usmar VM, Zhang J. (2018) Methods for assessing mitochondrial quality control mechanisms and cellular consequences in cell culture. <i>Redox Biol.</i> 17:59-69. PMID: <a href="#">PMC6006680</a> .
239. Rieg T, Vallon V. (2018) Development of SGLT1 and SGLT2 inhibitors. <i>Diabetologia</i> 61(10):2079-2086. PMID: <a href="#">PMC6124499</a> .

240. Romagnoli S, Ricci Z, Ronco C. (2018) Perioperative Acute Kidney Injury: Prevention, Early Recognition, and Supportive Measures. <i>Nephron</i> . 140(2):105-110.
241. Shin B, Kress RL, Kramer PA, Darley-Usmar VM, Bellis SL, Harrington LE. (2018) Effector CD4 T cells with progenitor potential mediate chronic intestinal inflammation. <i>J Exp Med</i> . 215(7):1803-1812. PMID: <a href="#">PMC6028516</a> .
242. Singal AK, Jackson B, Pereira GB, Russ KB, Fitzmorris PS, Kakati D, Axley P, Ravi S, Seay T, Ramachandra Rao SP, Mehta R, Kuo YF, Singh KP, Agarwal A. (2018) Biomarkers of Renal Injury in Cirrhosis: Association with Acute Kidney Injury and Recovery after Liver Transplantation. <i>Nephron</i> . 138(1):1-12. PMID: <a href="#">PMC5828970</a> .
243. Srivastava RK, Traylor AM, Li C, Feng W, Guo L, Antony VB, Schoeb TR, Agarwal A, Athar M. (2018) Cutaneous exposure to lewisite causes acute kidney injury by invoking DNA damage and autophagic response. <i>Am J Physiol Renal Physiol</i> . 314(6):F1166-F1176. PMID: <a href="#">PMC6032074</a> .
244. Swaminathan S. (2018) Iron Homeostasis Pathways as Therapeutic Targets in Acute Kidney Injury. <i>Nephron</i> . 140(2):156-159. PMID: <a href="#">PMC6165684</a> .
245. Tanaka S, Okusa MD. (2018) Optogenetics in Understanding Mechanisms of Acute Kidney Injury. <i>Nephron</i> . 140(2):152-155. PMID: <a href="#">PMC6165674</a> .
246. Thomson SC, Vallon V. (2018) Renal Effects of Incretin-Based Diabetes Therapies: Pre-clinical Predictions and Clinical Trial Outcomes. <i>Curr Diab Rep</i> . 18(5):28. PMID: <a href="#">PMC6426321</a> .
247. van Groenendael R, Kox M, van Eijk LT, Pickkers P. (2018) Immunomodulatory and Kidney-Protective Effects of the Human Chorionic Gonadotropin Derivate EA-230. <i>Nephron</i> . 140(2):148-151. PMID: <a href="#">PMC6214607</a> .
248. von Mässenhausen A, Tonnus W, Linkermann A. (2018) Cell Death Pathways Drive Necroinflammation during Acute Kidney Injury. <i>Nephron</i> . 140(2):144-147.
249. Wilson FP, Greenberg JH. (2018) Acute Kidney Injury in Real Time: Prediction, Alerts, and Clinical Decision Support. <i>Nephron</i> . 140(2):116-119. PMID: <a href="#">PMC6165685</a> .
250. Winfree S, Dagher PC, Dunn KW, Eadon MT, Ferkowicz M, Barwinska D, Kelly KJ, Sutton TA, El-Achkar TM. (2018) Quantitative Large-Scale Three-Dimensional Imaging of Human Kidney Biopsies: A Bridge to Precision Medicine in Kidney Disease. <i>Nephron</i> . 140(2):134-139. PMID: <a href="#">PMC6165680</a> .
251. Yeboah MM, Hye Khan MA, Chesnik MA, Skibba M, Kolb LL, Imig JD. (2018) Role of the cytochrome P-450/ epoxyeicosatrienoic acids pathway in the pathogenesis of renal dysfunction in cirrhosis. <i>Nephrol Dial Transplant</i> . 33(8):1333-1343. PMID: <a href="#">PMC6070028</a> .



**2017**

252. 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  $\alpha$ -7 nicotinic acetylcholine receptor in female CD-1 mice. *Prog Neuropsychopharmacol Biol Psychiatry*. 77:1-8. PMID: [PMC5466499](#).
253. Awisidhu L, Mehta RL. (2017) The 6R's of drug induced nephrotoxicity. *BMC Nephrol*. 28(1):124. PMID: [PMC5379580](#).
254. Baddam S, Cutter GR, Wolfson JA, Friedman GK, Lebensburger JD. (2017) Publication outcomes of abstracts from the American Society of Hematology Annual Meeting. *Am J Hematol*. 92(5):E81-E83. PMID: [PMC5389908](#).
255. Balena-Borneman J, Ambalavanan N, Tiwari HK, Griffin RL, Halloran B, Askenazi D. (2017) Biomarkers associated with bronchopulmonary dysplasia/mortality in premature infants. *Pediatr Res*. 81(3):519-525. PMID: [PMC5373977](#).
256. 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. *Hum Mol Genet*. 26(1):233-242. PMID: [PMC6075630](#).
257. Bolisetty S, Zarjou A, Agarwal A. (2017) Heme Oxygenase 1 as a Therapeutic Target in Acute Kidney Injury. *Am J Kidney Dis*. 69(4):531-545. PMID: [PMC5366088](#).
258. 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. *Am J Physiol Renal Physiol*. 313(3):F740-F755. PMID: [PMC5625098](#).
259. Bullen A, Liu ZZ, Hepokoski M, Li Y, Singh P. (2017) Renal Oxygenation and Hemodynamics in Kidney Injury. *Nephron*. 137(4):260-263. PMID: [PMC5732093](#).
260. 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. *Kidney Int Rep*. 2(4):530-543. PMID: [PMC5637391](#).
261. 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. *Sci Rep*. 7:43152. PMID: [PMC5322462](#).
262. Dépret F, Prud'homme M, Legrand M. (2017) A Role of Remote Organs Effect in Acute Kidney Injury Outcome? *Nephron*. 137(4):273-276.
263. Feng W, Dell'Italia LJ, Sanders PW. (2017) Novel Paradigms of Salt and Hypertension. *J Am Soc Nephrol*. 28(5):1362-1369. PMID: [PMC5407734](#).
264. 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. *Kidney Int*. 92(2):397-414. PMID: [PMC5511580](#).
265. 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. *Pathog Immun*. 2(3):366-375. PMID: [PMC5654569](#).
266. 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. *Am J Physiol Renal Physiol*. 312(5):F819-F835. PMID: [PMC5451553](#).
267. 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. *Am J Physiol Renal Physiol*. 312(4):F654-F660. PMID: [PMC5407070](#).
268. 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. *Nephron*. 137(4):268-272.
269. Hull TD, Agarwal A, Hoyt K. (2017) New Ultrasound Techniques Promise Further Advances in AKI and CKD. *J Am Soc Nephrol*. 28(12):3452-3460. PMID: [PMC5698079](#).
270. 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. *Sci Rep*. 7(1):9999. PMID: [PMC5577033](#).

271. 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. <i>Kidney Int Rep.</i> 2(4):519-529. PMID: <a href="#">PMC5568820</a> .
272. 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 Sick Cell Disease Mice. <i>J Am Soc Nephrol.</i> 28(8):2443-2458. PMID: <a href="#">PMC5533228</a> .
273. Kramann R, Wongboonsin J, Chang-Panesso M, Machado FG, Humphreys BD. (2017) Gli1+ Pericyte Loss Induces Capillary Rarefaction and Proximal Tubular Injury. <i>J Am Soc Nephrol.</i> 28(3):776-784. PMID: <a href="#">PMC5328159</a> .
274. Kwong YD, Liu KD. (2017) AKI Adjudication: Do We Need It? <i>Nephron.</i> 137(4):294-296.
275. Larson TR, Yother J. (2017) Streptococcus pneumoniae capsular polysaccharide is linked to peptidoglycan via a direct glycosidic bond to $\beta$ -D-N-acetylglucosamine. <i>Proc Natl Acad Sci USA.</i> 114(22):5695-5700. PMID: <a href="#">PMC5465879</a> .
276. Layton AT, Edwards A, Vallon V. (2017) Adaptive changes in GFR, tubular morphology and transport in subtotal nephrectomized kidneys: modeling and analysis. <i>Am J Physiol Renal Physiol.</i> 313(2):F199-F209. PMID: <a href="#">PMC5582891</a> .
277. 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. <i>J Am Soc Nephrol.</i> 28(6):1877-1885. PMID: <a href="#">PMC5461795</a> .
278. Levensburger JD, Cutter GR, Howard TH, Muntner P, Feig DI. (2017) Evaluating risk factors for chronic kidney disease in pediatric patients with sickle cell anemia. <i>Pediatr Nephrol.</i> Apr 5. PMID: <a href="#">PMC5628098</a> .
279. Lee SA, Noel S, Sadasivam M, Hamad ARA, Rabb H. (2017) Role of Immune Cells in Acute Kidney Injury and Repair. <i>Nephron.</i> 137(4):282-286. PMID: <a href="#">PMC5723562</a> .
280. Liebow A, Li X, Racie T, Hettinger J, Bettencourt BR, Najafian N, Haslett P, Fitzgerald K, Holmes RP, Erbe D, Querbust W, Knight J. (2017) An Investigational RNAi Therapeutic Targeting Glycolate Oxidase Reduces Oxalate Production in Models of Primary Hyperoxaluria. <i>J Am Soc Nephrol.</i> 28(2):494-503. PMID: <a href="#">PMC5280024</a> .
281. Liu ZZ, Bullen A, Li Y, Singh P. (2017) Renal Oxygenation in the Pathophysiology of Chronic Kidney Disease. <i>Front Physiol.</i> 8:385. PMID: <a href="#">PMC5487476</a> .
282. McIlroy DR, Shaw AD, Myles PS. (2017) Standardized Renal Endpoints for Perioperative Clinical Trials: The Standardized Endpoints in Perioperative Medicine Initiative. <i>Nephron.</i> 137(4):302-305.
283. Nangaku M, Hirakawa Y, Mimura I, Inagi R, Tanaka T. (2017) Epigenetic Changes in the Acute Kidney Injury-to-Chronic Kidney Disease Transition. <i>Nephron.</i> 137(4):256-259.
284. Ó hAinmhire E, Humphreys BD. (2017) Fibrotic Changes Mediating Acute Kidney Injury to Chronic Kidney Disease Transition. <i>Nephron.</i> 137(4):264-267. PMID: <a href="#">PMC5723252</a> .
285. 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. <i>Kidney Int.</i> 91(1):129-143. PMID: <a href="#">PMC5179298</a> .
286. 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. <i>Nephrol Dial Transplant.</i> 33(6):923-934. PMID: <a href="#">PMC5982720</a> .
287. Poyan Mehr A, Parikh SM. (2017) PPAR $\gamma$ -Coactivator-1 $\alpha$ , Nicotinamide Adenine Dinucleotide and Renal Stress Resistance. <i>Nephron.</i> 137(4):253-255. PMID: <a href="#">PMC5722711</a> .
288. 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. <i>Theor Biol Med Model.</i> 14(1):5. PMID: <a href="#">PMC5360029</a> .
289. 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. <i>J Mass Spectrom.</i> 52(8):507-516. PMID: <a href="#">PMC5544575</a> .

290. Qiu H, Novikov A, Vallon V. (2017) Ketosis and diabetic ketoacidosis in response to SGLT2 inhibitors: Basic mechanisms and therapeutic perspectives. <i>Diabetes Metab Res Rev.</i> 33(5).
291. Radka CD, DeLucas LJ, Wilson LS, Lawrenz MB, Perry RD, Aller SG. (2017) Crystal structure of <i>Yersinia pestis</i> virulence factor YfeA reveals two polyspecific metal-binding sites. <i>Acta Crystallogr D Struct Biol.</i> 73(Pt7):557-572. PMID: <a href="#">PMC5505154</a> .
292. 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 bafilomycin and chloroquine decreases mitochondrial quality and bioenergetics function in primary neurons. <i>Redox Biol.</i> 11:73-81. PMID: <a href="#">PMC5124357</a> .
293. 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). <i>Respir Physiol Neurobiol.</i> 246:1-8.
294. Silver SA, Chertow GM. (2017) The Economic Consequences of Acute Kidney Injury. <i>Nephron.</i> 137(4):297-301. PMID: <a href="#">PMC5743773</a> .
295. 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. <i>J Leukoc Biol.</i> 101(2):531-542. PMID: <a href="#">PMC5235906</a> .
296. Soni H, Adebisi A. (2017) Early septic insult in neonatal pigs increases serum and urinary soluble Fas ligand and decreases kidney function without inducing significant renal apoptosis. <i>Ren Fail.</i> 39(1):83-91. PMID: <a href="#">PMC6014332</a> .
297. 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. <i>JCI Insight.</i> 2(19):e94920. PMID: <a href="#">PMC5841863</a> .
298. Tanaka S, Inoue T, Hossack JA, Okusa MD. (2017) Nonpharmacological, Biomechanical Approaches to Control Inflammation in Acute Kidney Injury. <i>Nephron.</i> 137(4):277-281. PMID: <a href="#">PMC5723253</a> .
299. Thomas JL, Pham H, Li Y, Hall E, Perkins GA, Ali SS, Patel HH, Singh P. (2017) Hypoxia inducible factor-1 $\alpha$ activation improves renal oxygenation and mitochondrial function in early chronic kidney disease. <i>Am J Physiol Renal Physiol.</i> 313(2):F282-F290. PMID: <a href="#">PMC5582905</a> .
300. 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. <i>Am J Physiol Renal Physiol.</i> 313(4):F854-F858. PMID: <a href="#">PMC5668591</a> .
301. Vallon V, Thomson SC. (2017) Targeting renal glucose reabsorption to treat hyperglycaemia: the pleiotropic effects of SGLT2 inhibition. <i>Diabetologia.</i> 60(2):215-225. PMID: <a href="#">PMC5884445</a> .
302. Weller S, Varrier M, Ostermann M. (2017) Lymphocyte Function in Human Acute Kidney Injury. <i>Nephron.</i> 137(4):287-293.
303. 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. <i>Kidney Int Rep.</i> 2(6):1194-1207. PMID: <a href="#">PMC5733772</a> .
304. 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. <i>Am J Physiol Renal Physiol.</i> 312(1):F65-F76. PMID: <a href="#">PMC5283884</a> .

2016
305. 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. PMID: <a href="#">PMC4849836</a> .
306. Awdishu L, Joy MS. (2016) Role of Pharmacogenomics in Kidney Disease and Injury. <i>Adv Chronic Kidney Dis</i> . 23(2):106-119.
307. Ayer A, Zarjou A, Agarwal A, Stocker R. (2016) Heme Oxygenases in Cardiovascular Health and Disease. <i>Physiol Rev</i> . 96(4):1449-1508. PMID: <a href="#">PMC5504454</a> .
308. 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. PMID: <a href="#">PMC4964969</a> .
309. 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. PMID: <a href="#">PMC5584587</a> .
310. 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. PMID: <a href="#">PMC4886906</a> .
311. 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. PMID: <a href="#">PMC4788869</a> .
312. 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. PMID: <a href="#">PMC4868370</a> .
313. Bouchard J, Mehta RL. (2016) Acute Kidney Injury in Western Countries. <i>Kidney Dis (Basel)</i> . 2(3):103-110. PMID: <a href="#">PMC5123002</a> .
314. 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. PMID: <a href="#">PMC4712317</a> .
315. Chandrashekar KB, Lopez-Ruiz A, Juncos LA. (2016) The Promise of Mineralocorticoid Antagonism in Acute Kidney Injury. <i>Nephron</i> . 134(3):154-159.
316. 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. PMID: <a href="#">PMC5084904</a> .
317. 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.
318. Doi K. (2016) Kidney-Heart Interactions in Acute Kidney Injury. <i>Nephron</i> . 134(3):141-144.
319. 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. PMID: <a href="#">PMC5142058</a> .
320. Drummond CA, Crotty Alexander LE, Haller ST, Fan X, Xie JX, Kennedy DJ, Liu J, Yan Y, Hernandez DA, Mathew DP, Cooper CJ, Shapiro JL, Tian J. (2016) Cigarette smoking causes epigenetic changes associated with cardiorenal fibrosis. <i>Physiol Genomics</i> 48(12):950-960. PMID: <a href="#">PMC5206391</a> .
321. 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. PMID: <a href="#">PMC4881020</a> .
322. 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.
323. Harris RC, Cheng H. (2016) Telomerase, Autophagy and Acute Kidney Injury. <i>Nephron</i> . 134(3):145-148. PMID: <a href="#">PMC5547439</a> .
324. 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. PMID: <a href="#">PMC5036859</a> .

325.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. <i>JCI Insight</i> . 1(2):e85817. PMID: <a href="#">PMC4838906</a> .
326.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 $\alpha$ 7nAChR+splenocytes. <i>J Clin Invest</i> . 126(5):1939-1952. PMID: <a href="#">PMC4855936</a> .
327.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. <i>J Clin Transl Endocrinol</i> . 5:21-25. PMID: <a href="#">PMC5098550</a> .
328.Kefaloyianni E, Muthru ML, Kaeppler 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. <i>JCI Insight</i> . 1(13):pii e87023. PMID: <a href="#">PMC5026414</a> .
329.Larson-Casey JL, Deshane JS, Ryan AJ, Thannickal VJ, Carter AB. (2016) Macrophage Akt1 Kinase-Mediated Mitophagy Modulates Apoptosis Resistance and Pulmonary Fibrosis. <i>Immunity</i> . 44(3):582-596. PMID: <a href="#">PMC4794358</a> .
330.Layton AT, Laghmani K, Vallon V, Edwards A. (2016) Solute transport and oxygen consumption along the nephrons: effects of Na <sup>+</sup> transport inhibitors. <i>Am J Physiol Renal Physiol</i> . 311(6):F1217-F1229. PMID: <a href="#">PMC5210208</a> .
331.Layton AT, Vallon V, Edwards A. (2016) A computational model for simulating solute transport and oxygen consumption along the nephrons. <i>Am J Physiol Renal Physiol</i> . 311(6):F1378-F1390. PMID: <a href="#">PMC5210192</a> .
332.Leaf DE, Body SC, Muehlschlegel JD, McMahon GM, Lichtner P, Collard CD, Sherman SK, Fox AA, Waikar SS. (2016) Length Polymorphisms in Heme Oxygenase-1 and AKI after Cardiac Surgery. <i>J Am Soc Nephrol</i> . 27(11):3291-3297. PMID: <a href="#">PMC5084897</a> .
333.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. <i>Pediatr Nephrol</i> . 31(8):1363-1368. PMID: <a href="#">PMC4920695</a> .
334.Lehner GF, Forni LG, Joannidis M. (2016) Oliguria and Biomarkers of Acute Kidney Injury: Star Struck Lovers or Strangers in the Night? <i>Nephron</i> . 134(3):183-190.
335.Lever JM, Boddu R, George JF, Agarwal A. (2016) Heme oxygenase-1 in kidney health and disease. <i>Antioxid Redox Signal</i> . 25(3):165-183. PMID: <a href="#">PMC4948210</a> .
336.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. <i>Biochim Biophys Acta</i> . 1862(2):233-239. PMID: <a href="#">PMC4706777</a> .
337.Liu Z, Wang S, Mi QS, Dong Z. (2016) MicroRNAs in Pathogenesis of Acute Kidney Injury. <i>Nephron</i> . 134(3):149-153. PMID: <a href="#">PMC5089907</a> .
338.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. <i>J Am Soc Nephrol</i> . 27(3):781-790. PMID: <a href="#">PMC4769196</a> .
339.Macedo E, Mehta RL. (2016) Renal Recovery after Acute Kidney Injury. <i>Contrib Nephrol</i> . 187:24-35.
340.Mehta RL. (2016) Renal-Replacement Therapy in the Critically Ill—Does Timing Matter? <i>N Engl J Med</i> . 375(2):175-176.
341.Mehta RL, Andringa KK, Sanders PW, Agarwal A. (2016) Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management. <i>Nephron</i> . 134(3):131-132.
342.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 Oby25 Global Snapshot: a multinational cross-sectional study. <i>Lancet</i> . 387(10032):2017-2025.
343.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 catestatin using humanized chromogranin A mouse models. <i>J Hypertens</i> . 34(1):68-78. PMID: <a href="#">PMC5580682</a> .
344.Neprasova M, Maixnerova D, Novak J, Reily 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. <i>Dis Markers</i> . 2016:3650909. PMID: <a href="#">PMC5075301</a> .

345. Novikov A, Vallon V. (2016) Sodium glucose cotransporter 2 inhibition in the diabetic kidney: an update. <i>Curr Opin Nephrol Hypertens.</i> 25(1):50-58. PMID: <a href="#">PMC4703043</a> .
346. Panwar B, Judd SE, Warnock DG, McClellan WM, Booth JN 3 <sup>rd</sup> , Muntner P, Gutierrez OM. (2016) Hemoglobin Concentration and Risk of Incident Stroke in Community-Living Adults. <i>Stroke.</i> 47(8):2017-2024. PMID: <a href="#">PMC4961542</a> .
347. Perry HM, Okusa MD. (2016) Endothelial Dysfunction in Renal Interstitial Fibrosis. <i>Nephron.</i> 134(3):167-171. PMID: <a href="#">PMC5089917</a> .
348. Pegues MA, McWilliams IL, Szalai AJ. (2016) C-reactive protein exacerbates renal ischemia-reperfusion injury: are myeloid-derived suppressor cells to blame? <i>Am J Physiol Renal Physiol.</i> 311(1):F176-F181. PMID: <a href="#">PMC4967164</a> .
349. Prasain JK, Rajbhandari R, Keeton AB, Piazza GA, Barnes S. (2016) Metabolism and growth inhibitory activity of cranberry derived flavonoids in bladder cancer cells. <i>Food Funct.</i> 7(9):4012-4019. PMID: <a href="#">PMC5076555</a> .
350. 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. <i>Am J Physiol Renal Physiol.</i> 310(10):F1136-F1147. PMID: <a href="#">PMC4889318</a> .
351. 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. <i>Free Radic Biol Med.</i> 91:143-153. PMID: <a href="#">PMC4761519</a> .
352. Ronco C, Chawla LS. (2016) Glomerular and Tubular Kidney Stress Test: New Tools for a Deeper Evaluation of Kidney Function. <i>Nephron.</i> 134(3):191-194.
353. 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. <i>Nephron.</i> 134(3):200-204.
354. Selby NM, Kohle NV. (2016) Care Bundles for Acute Kidney Injury: Do They Work? <i>Nephron.</i> 134(3):195-199.
355. 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. <i>Redox Biol.</i> 8:136-148. PMID: <a href="#">PMC4732023</a> .
356. Song P, Onishi A, Koepsell H, Vallon V. (2016) Sodium glucose cotransporter SGLT1 as a therapeutic target in diabetes mellitus. <i>Expert Opin Ther Targets.</i> 20(9):1109-1125. PMID: <a href="#">PMC5045806</a> .
357. Takaori K, Yanagita M. (2016) Insights into the Mechanisms of the Acute Kidney Injury-to-Chronic Kidney Disease Continuum. <i>Nephron.</i> 134(3):172-176.
358. Tamhane AR, Westfall AO, Burkholder GA, Cutter GR. (2016) Prevalence odds ratio versus prevalence ration: choice comes with consequences. <i>Stat Med.</i> 35(30):5730-5735. PMID: <a href="#">PMC5135596</a> .
359. Tran MT, Zsengeller ZK, Berg AH, Khankin EV, Bhasin MK, Kim W, Clish CB, Stillman IE, Karumanchi SA, Rhee EP, Parikh SM. (2016) PGC1 $\alpha$ drives NAD biosynthesis linking oxidative metabolism to renal protection. <i>Nature.</i> 531(7595):528-532. PMID: <a href="#">PMC4909121</a> .
360. Vallon V. (2016) Tubular Transport in Acute Kidney Injury: Relevance for Diagnosis, Prognosis and Intervention. <i>Nephron.</i> 134(3):160-166. PMID: <a href="#">PMC5089910</a> .
361. Walker VJ, Agarwal A. (2016) Targeting Iron Homeostasis in Acute Kidney Injury. <i>Semin Nephrol.</i> 36(1):62-70. PMID: <a href="#">PMC5439503</a> .
362. Warnock DG, Powell TC, Siew ED, Donnelly JP, Wang HE, Mehta RL. (2016) Serum Creatinine Trajectories for Community-versus Hospital-Acquired Acute Kidney Injury. <i>Nephron.</i> 134(3):177-182. PMID: <a href="#">PMC5490993</a> .
363. Weir MR, Blantz RC. (2016) Noteworthy observation in hypertension from 2015. <i>Curr Opin Nephrol Hypertens.</i> 25(1):1-2.
364. Williams J, Homes RP, Assimos DG, Mitchell T. (2016) Monocyte Mitochondrial Function in Calcium Oxalate Stone Formers. <i>Urology</i> 93:224.e1-224.e6. PMID: <a href="#">PMC4914421</a> .
365. Zhang J, McCullough PA. (2016) Lipoic Acid in the Prevention of Acute Kidney Injury. <i>Nephron.</i> 134(3):133-140.

**2015**

366. 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. *Pediatr Res*. 77(6):793-798. PMID: [PMC4439308](#).
367. Bagshaw SM. (2015) Acute Kidney Injury Care Bundles. *Nephron*. 131(4):247-251.
368. Barry R, James MT. (2015) Guidelines for Classification of Acute Kidney Diseases and Disorders. *Nephron*. 131(4):221-226.
369. 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. *J Am Soc Nephrol*. 26(4):908-925. PMID: [PMC4378101](#).
370. Bihorac A. (2015) Acute Kidney Injury in the Surgical Patient: Recognition and Attribution. *Nephron*. 131(2):118-122. PMID: [PMC4623971](#).
371. 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. *J Immunol*. 195(10):4685-4698. PMID: [PMC4637240](#).
372. Blantz RC, Steiner RW. (2015) Benign hyperfiltration after living kidney donation. *J Clin Invest*. 125(3):972-974. PMID [PMC4362244](#).
373. Boddu R, Hull TD, Bolisetty S, Hu X, Moehle MS, Daher JP, Kamal AI, Joseph R, George JF, Agarwal A, Curtis LM, West AB. (2015) Leucine-rich repeat kinase 2 deficiency is protective in rhabdomyolysis-induced kidney injury. *Hum Mol Genet*. 24(14):4078-4093. PMID: [PMC4476452](#).
374. Bolisetty S, Zarjou A, Hull TD, Traylor AM, Perianayagam A, Joseph R, Kamal AI, Arosio P, Soares MP, Jeney V, Balla J, George JF, Agarwal A. (2015) Macrophage and epithelial cell H-ferritin expression regulates renal inflammation. *Kidney Int*. 88(1):95-108. PMID: [PMC4490000](#).
375. Bouchard J, Acharya A, Cerda 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. *Clin J Am Soc Nephrol*. 10(8):1324-1331. PMID: [PMC4527019](#).
376. Brossier NM, Pechtl 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. *J Neuropathol Exp Neurol*. 74(6):568-586. PMID: [PMC4433624](#).
377. 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. *Am J Hypertens*. 28(12):1444-1452. PMID: [PMC4654763](#).
378. Devarajan P. (2015) Genomic and Proteomic Characterization of Acute Kidney Injury. *Nephron*. 131(2):85-91. PMID: [PMC4540729](#).
379. Dominguez Rieg JA, Burt JM, Ruth P, Rieg T. (2015) P2Y<sub>2</sub> receptor activation decreases blood pressure via intermediate conductance potassium channels and connexin 37. *Acta Physiol (Oxf)* 213(3):628-641. PMID [PMC4442688](#).
380. Feng W, Chumley P, Prieto MC, Miyada K, Seth DM, Fatima H, Hua P, Rezonzew 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. *Hypertension*. 65(4):813-820. PMID: [PMC4897962](#).
381. Feng W, Ying WZ, Aaron KJ, Sanders PW. (2015) Transforming growth factor- $\beta$  mediates endothelial dysfunction in rats during high salt intake. *Am J Physiol Renal Physiol*. 309(12):F1018-F1025. PMID: [PMC4683308](#).
382. 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. *Am J Physiol Renal Physiol*. 308(12):F1409-F1420. PMID: [PMC4587593](#).
383. Fu Y, Gerasimova M, Batz F, Kuczkowski A, Alam Y, Sanders PW, Ronzaud C, Hummler E, Vallon V. (2015) PPAR $\gamma$  agonist-induced fluid retention depends on  $\alpha$ ENaC expression in connecting tubules. *Nephron*. 129(1):68-74. PMID: [PMC4323851](#).
384. Gallo LA, Wright EM, Vallon V. (2015) Probing SGLT2 as a therapeutic target for diabetes: basic physiology and consequences. *Diab Vasc Dis Res*. 12(2):78-89. PMID: [PMC5886707](#).
385. Girkin CA, Nievergelt CM, Kuo JZ, Maihofer AX, Huisingh 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. *Invest Ophthalmol Vis Sci*. 56(3):2043-2049. PMID: [PMC4373542](#).

386. Godin M, Murray P, Mehta RL. (2015) Clinical approach to the patient with AKI and sepsis. <i>Semin Nephrol.</i> 35(1):12-22. PMID: <a href="#">PMC5617729</a> .
387. Gómez H, Jin K, Kellum JA. (2015) The Role of Energy Regulation in the Tubular Epithelial Cell Response to Sepsis. <i>Nephron.</i> 131(4):255-258. PMID: <a href="#">PMC4691208</a> .
388. 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. <i>Clin Endocrinol (Oxf).</i> 82(4):550-556. PMID: <a href="#">PMC4289452</a> .
389. Hanks LJ, Gutierrez OM, Ashraf AP, Casazza K. (2015) Bone Mineral Content as a Driver of Energy Expenditure in Prepubertal and Early Pubertal Boys. <i>J Pediatr.</i> 166(6):1397-1403. PMID: <a href="#">PMC4446221</a> .
390. 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. <i>J Clin Transl Endocrinol.</i> 2(2):77-82. PMID: <a href="#">PMC4450097</a> .
391. 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. <i>Antioxid Redox Signal.</i> 22(4):294-307. PMID: <a href="#">PMC4298151</a> .
392. Hirsch JS, Mohan S. (2015) Integrating Real Time Data to Improve Outcomes in Acute Kidney Injury. <i>Nephron.</i> 131(4):242-246.
393. Horne KL, Shardlow A, Taal MW, Selby NM. (2015) Long Term Outcomes after Acute Kidney Injury: Lessons from the ARID Study. <i>Nephron.</i> 131(2):102-106.
394. 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. <i>Mol Imaging Biol.</i> 17(6):786-792. PMID: <a href="#">PMC4818575</a> .
395. 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. <i>J Am Soc Nephrol.</i> 26(9):2139-2151. PMID: <a href="#">PMC4552119</a> .
396. Inoue T, Okusa MD. (2015) Neuroimmune Control of Acute Kidney Injury and Inflammation. <i>Nephron.</i> 131(2):97-101. PMID: <a href="#">PMC4618761</a> .
397. James MT, Pannu N. (2015) Can Acute Kidney Injury Be Considered a Clinical Quality Measure. <i>Nephron.</i> 131(4):237-241.
398. 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. <i>PLoS One.</i> 10(6):e0127686. PMID: <a href="#">PMC4456351</a> .
399. Kane-Gill SL, Kellum JA. (2015) Advancing the Use of Clinical Decision Support to Prevent Drug-Associated AKI. <i>Nephron.</i> 131(4):259-261.
400. Karim AS, Reese SR, Wilson NA, Jacobson LM, Zhong W, Djamali A. (2015) Nox2 is a mediator of ischemia reperfusion injury. <i>Am J Transplant.</i> 15(11):2888-2899. PMID: <a href="#">PMC4636908</a> .
401. Kashani K, Herasevich V. (2015) Utilities of Electronic Medical Records to Improve Quality of Care for Acute Kidney Injury: Past, Present, Future. <i>Nephron</i> 131(2):92-96.
402. Kox M, Pickkers P. (2015) Modulation of the Innate Immune Response through the Vagus Nerve. <i>Nephron.</i> 131(2):79-84.
403. 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. <i>J Clin Invest.</i> 125(8):2935-2951. PMID: <a href="#">PMC4563736</a> .
404. 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. <i>Biosci Rep.</i> 35(4):e00237. PMID: <a href="#">PMC4613711</a> .
405. 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. <i>Lab Invest.</i> 95(2):132-141. PMID: <a href="#">PMC4422823</a> .
406. Kramer PA, Darley-USmar VM. (2015) The emerging theme of redox bioenergetics in health and disease. <i>Biomed J.</i> 38(4):294-300.
407. 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. <i>Clin Sci (Lond.)</i> 129(6):489-504. PMID: <a href="#">PMC5611861</a> .
408. Layton AT, Vallon V, Edwards A. (2015) Modeling oxygen consumption in the proximal tubule: effects of NHE and SGLT2 inhibition. <i>Am J Physiol Renal Physiol.</i> 308(12):F1343-F1357. PMID: <a href="#">PMC4469883</a> .



409. Lebensburger JD, Hilliard LM, Pair LE, Oster R, Howard TH, Cutter GR. (2015) Systematic review of interventional sickle cell trails registered in ClinicalTrials.gov. <i>Clin Trials</i> . 12(6):575-583. PMID: <a href="#">PMC4643416</a> .
410. Li H, Satriano J, Thomas JL, Miyamoto S, Sharma K, Pastor-Soler NM, Hallows KR, Singh P. (2015) Interactions between HIF-1 $\alpha$ and AMPK in the regulation of cellular hypoxia adaptation in chronic kidney disease. <i>Am J Physiol Renal Physiol</i> . 309(5):F414-F428. PMID: <a href="#">PMC4556888</a> .
411. Li X, Knight J, Todd Lowther W, Holmes RP. (2015) Hydroxyproline metabolism in a mouse model of Primary Hyperoxaluria Type 3. <i>Biochem Biophys Acta</i> . 1852(12):2700-2705. PMID: <a href="#">PMC4615548</a> .
412. 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. <i>Am J Physiol Heart Circ Physiol</i> . 308(4):H269-H280. PMID: <a href="#">PMC4329482</a> .
413. Macedo E. (2015) Urine Output Assessment as a Clinical Quality Measure. <i>Nephron</i> . 131(4):252-254.
414. Michel MC, Mayoux E, Vallon V. (2015) A comprehensive review of the pharmacodynamics of the SGLT2 inhibitor empagliflozin in animals and humans. <i>Naunyn Schmiedebergs Arch Pharmacol</i> . 388(3):801-816. PMID: <a href="#">PMC5896322</a> .
415. 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. <i>JAMA Psychiatry</i> . 72(10):979-986.
416. 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. <i>PLoS One</i> . 10(8):e0135678. PMID: <a href="#">PMC4546649</a> .
417. 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. <i>FASEB J</i> . 29(8):3527-3536. PMID: <a href="#">PMC4511206</a> .
418. 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. <i>Kidney Int</i> . 87(4):771-783. PMID: <a href="#">PMC4382433</a> .
419. Plenter R, Jain S, Ruller CM, Nydam TL, Jani AH. (2015) Murine Kidney Transplant Technique. <i>J Vis Exp</i> . 20(105):e52848. PMID: <a href="#">PMC4692659</a> .
420. Powell TC, Warnock DG. (2015) The Furosemide Stress Test and Predicting AKI Outcomes. <i>J Am Soc Nephrol</i> . 26(8):1762-1764. PMID: <a href="#">PMC4520179</a> .
421. 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. <i>Metabolites</i> . 5(4):677-696. PMID: <a href="#">PMC4693190</a> .
422. 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, Awdishu 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. <i>PLoS Negl Trop Dis</i> . 9(4):e0003718. PMID: <a href="#">PMC4393270</a> .
423. 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, Awdishu L, Naviaux RK, Vinetz JM, Mauri P. (2015) Proteomic analysis of urine exosomes reveals renal tubule response to leptospiral colonization in experimentally infected rats. <i>PLoS Negl Trop Dis</i> . 9(3):e0003640. PMID: <a href="#">PMC4368819</a> .
424. 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. <i>Arterioscler Thromb Vasc Biol</i> . 35(7):1704-1711. PMID: <a href="#">PMC4483152</a> .
425. 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. <i>Biochim Biophys Acta</i> . 1852(11):2525-2534. PMID: <a href="#">PMC4582014</a> .
426. 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. <i>Pediatr Nephrol</i> . 30(11):2037-2044. PMID: <a href="#">PMC4581905</a> .

427. 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. <i>Nephron</i> . 131(2):113-117.
428. Siew ED, Matheny ME. (2015) Choice of Reference Serum Creatinine in Defining Acute Kidney Injury. <i>Nephron</i> . 131(2):107-112. PMID: <a href="#">PMC4618709</a> .
429. 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. <i>Dis Model Mech</i> . 8(8):931-940. PMID: <a href="#">PMC4527294</a> .
430. Speed JS, Fox BM, Johnston JG, Pollock DM. (2015) Endothelin and renal ion and water transport. <i>Semin Nephrol</i> . 35(2):137-144. PMID: <a href="#">PMC4499165</a> .
431. 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 <sup>+</sup> homeostasis. <i>FASEB J</i> . 29(12):4937-4944. PMID: <a href="#">PMC4653060</a> .
432. Speed JS, Pollock DM. (2015) New clues towards solving the mystery of endothelin and blood pressure regulation. <i>Hypertension</i> . 66(2):275-277. PMID: <a href="#">PMC4498997</a> .
433. 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. <i>Am J Physiol Lung Cell Mol Physiol</i> . 309(3):L280-L292. PMID: <a href="#">PMC4525122</a> .
434. Vallon V. (2015) The mechanisms and therapeutic potential of SGLT2 inhibitors in diabetes mellitus. <i>Annu Rev Med</i> . 66:255-270.
435. 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. <i>Redox Biol</i> . 4:346-354. PMID: <a href="#">PMC4326178</a> .
436. Warnock DG, Powell TC, Donnelly JP, Wang HE. (2015) Categories of Hospital-Associated Acute Kidney Injury: Time Course of Changes in Serum Creatinine Values. <i>Nephron</i> . 131(4):227-236. PMID: <a href="#">PMC4698143</a> .
437. 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. <i>Am J Respir Crit Care Med</i> . 192(8):934-942. PMID: <a href="#">PMC4642210</a> .
438. Yadav P, Leung N, Sanders PW, Cockwell P. (2015) The use of immunoglobulin light chain assays in the diagnosis of paraprotein-related kidney disease. <i>Kidney Int</i> . 87(4):692-697. PMID: <a href="#">PMC4863638</a> .
439. 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. <i>J Am Soc Nephrol</i> . 26(8):1816-1825. PMID: <a href="#">PMC4520173</a> .

2014
440. 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.
441. 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. PMID: <a href="#">PMC4023971</a> .
442. Andringa KK, Agarwal A. (2014) Role of hypoxia-inducible factors in acute kidney injury. <i>Nephron Clin Pract.</i> 127(1-4):70-74.
443. 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. PMID: <a href="#">PMC5482494</a> .
444. Billings FT 4 <sup>th</sup> , Shaw AD. (2014) Clinical trial endpoints in acute kidney injury. <i>Nephron Clin Pract.</i> 127(1-4):89-93. PMID: <a href="#">PMC4480222</a> .
445. Blantz RC. (2014) Phenotypic characteristics of diabetic kidney involvement. <i>Kidney Int.</i> 86(1):7-9. PMID: <a href="#">PMC4076684</a> .
446. Blantz RC, Singh P. (2014) Glomerular and tubular function in the diabetic kidney. <i>Adv Chronic Kidney Dis.</i> 21(3):297-303.
447. Bonventre JV. (2014) Maladaptive proximal tubule repair: cell cycle arrest. <i>Nephron Clin Pract.</i> 127(1-4):61-64.
448. Borsting E, Cheng VP, Glass CK, Vallon V, Cunard R. (2012) Peroxisome proliferator-activated receptor- $\gamma$ agonists repress epithelial sodium channel expression in the kidney. <i>Am J Physiol Renal Physiol.</i> 302(5):F540-F551. PMID: <a href="#">PMC3353644</a> .
449. Borsting E, Patel SV, Declèves 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. PMID: <a href="#">PMC4147976</a> .
450. 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. PMID: <a href="#">PMC3943884</a> .
451. 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. PMID: <a href="#">PMC4202728</a> .
452. Claude-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. PMID: <a href="#">PMC4220040</a> .
453. Declèves 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> PMID: <a href="#">PMC4458239</a> .
454. 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. PMID: <a href="#">PMC4101627</a> .
455. Endre ZH. (2014) Recovery from acute kidney injury: the role of biomarkers. <i>Nephron Clin Pract.</i> 127(1-4):101-105.
456. 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. PMID: <a href="#">PMC3935588</a> .
457. 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. PMID: <a href="#">PMC4243352</a> .
458. Fleig SV, Humphreys BD. (2014) Rationale of mesenchymal stem cell therapy in kidney injury. <i>Nephron Clin Pract.</i> 127(1-4):75-80.
459. 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. PMID: <a href="#">PMC4275376</a> .
460. Godin M, Macedo E, Mehta RL. (2014) Clinical determinants of renal recovery. <i>Nephron Clin Pract.</i> 127(1-4):25-29.
461. Goldstein SL. (2014) Renal recovery at different ages. <i>Nephron Clin Pract.</i> 127(1-4):21-24.
462. 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. PMID: <a href="#">PMC3237647</a> .

463. He L, Livingston MJ, Dong Z. (2014) Autophagy in acute kidney injury and repair. <i>Nephron Clin Pract.</i> 127(1-4):56-60. PMID: <a href="#">PMC4274769</a> .
464. Heung M, Chawla LS. (2014) Acute kidney injury: gateway to chronic kidney disease. <i>Nephron Clin Pract.</i> 127(1-4):30-34.
465. Hovater MB, Ying WZ, Agarwal A, Sanders PW. (2014) Nitric oxide and carbon monoxide antagonize TGF- $\beta$ through ligand-independent internalization of T $\beta$ R1/ALK5. <i>Am J Physiol Renal Physiol.</i> 307(6):F727-F735. PMID: <a href="#">PMC4166728</a> .
466. Hull TD, Agarwal A. (2014) Bilirubin: a potential biomarker and therapeutic target for diabetic nephropathy. <i>Diabetes.</i> 63(8):2613-2616. PMID: <a href="#">PMC4113062</a> .
467. Hull TD, Agarwal A, George JF. (2014) The mononuclear phagocyte system in homeostasis and disease: a role for heme oxygenase-1. <i>Antioxid Redox Signal.</i> 20(11):1770-1788. PMID: <a href="#">PMC3961794</a> .
468. Hundae A, McCullough PA. (2014) Cardiac and renal fibrosis in chronic cardiorenal syndromes. <i>Nephron Clin Pract.</i> 127(1-4):106-112.
469. 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 m(2.). <i>Am J Cardiol.</i> 114(1):79-82. PMID: <a href="#">PMC4169696</a> .
470. Judd EK, Calhoun DA, Warnock DG. (2014) Pathophysiology and treatment of resistant hypertension: the role of aldosterone and amiloride-sensitive sodium channels. <i>Semin Nephrol.</i> 34(5):532-539. PMID: <a href="#">PMC4450367</a> .
471. Judd E, Sanders PW, Agarwal A. (2014) Diagnosis and Clinical Evaluation of Acute Kidney Injury. Chapter 71, Comprehensive Clinical Nephrology, 5 <sup>th</sup> Edition. Johnson, Feehally and Floege, Editors. Elsevier. pp 827-835.
472. Kasimsetty SG, DeWolf SE, Shigeoka AA, McKay DB. (2014) Regulation of TLR2 and NLRP3 in primary murine renal tubular epithelial cells. <i>Nephron Clin Pract.</i> 127(1-4):119-123. PMID: <a href="#">PMC4896108</a> .
473. Kellum JA. (2014) How can we define recovery after acute kidney injury? Considerations from epidemiology and clinical trial design. <i>Nephron Clin Pract.</i> 127(1-4):81-88.
474. Khan SQ, Guo L, Cimbaluk DJ, Elshabrawy H, Garidi MH, Jolly M, George JF, Agarwal A, Gupta V. (2014) A Small Molecule $\beta$ 2 Integrin Agonist Improves Chronic Kidney Allograft Survival by Reducing Leukocyte Recruitment and Accompanying Vasculopathy. <i>Front Med (Lausanne)</i> 1:45. PMID: <a href="#">PMC4291902</a> .
475. 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. <i>J Diabetes Metab.</i> 5(4):361. PMID: <a href="#">PMC4190034</a> .
476. 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. <i>J Diabetes Metab.</i> 5:pii1000401. PMID: <a href="#">PMC4286342</a> .
477. 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. <i>J Vis Exp.</i> (85). PMID: <a href="#">PMC4089433</a> .
478. 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. <i>Redox Biol.</i> 2:206-210. PMID: <a href="#">PMC3909784</a> .
479. Kumar R, Vallon V. (2014) Reduced renal calcium excretion in the absence of sclerostin expression: evidence for a novel calcium-regulating bone kidney axis. <i>J Am Soc Nephrol.</i> 25(10):2159-2168. PMID: <a href="#">PMC4178449</a> .
480. Liu KD. (2014) Therapeutic strategies for clinical trials targeting renal recovery. <i>Nephron Clin Pract.</i> 127(1-4):113-116.
481. Macedo E, Mehta RL. (2014) Targeting recovery from acute kidney injury: incidence and prevalence of recovery. <i>Nephron Clin Pract.</i> 127(1-4):4-9.
482. Mahoney M, Sorace A, Warram J Samuel S, Hoyt K. (2014) Volumetric contrast-enhanced ultrasound imaging of renal perfusion. <i>J Ultrasound Med.</i> 33(8):1427-1437. PMID: <a href="#">PMC4135386</a> .
483. Martina MN, Noel S, Bandapalle S, Hamad AR, Rabb H. (2014) T lymphocytes and acute kidney injury: update. <i>Nephron Clin Pract.</i> 127(1-4):51-55. PMID: <a href="#">PMC5264523</a> .
484. 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 $\gamma$ agonist-induced body weight gain by affecting food intake, fat mass, and beige/brown fat but not fluid retention. <i>Am J Physiol Endocrinol Metab.</i> 306(4):E388-E398. PMID: <a href="#">PMC3923087</a> .

485. 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. <i>Science</i> . 344(6185):754-757. PMID: <a href="#">PMC4094289</a> .
486. Mehta RL, Kellum JA. (2014) Targeting recovery from acute kidney injury: executive summary from the round table conference at the 19 <sup>th</sup> International Conference on Continuous Renal Replacement Therapies (Manchester Grand Hyatt, San Diego, Calif., USA, March 2-3 2014). <i>Nephron Clin Pract</i> . 127(1-4):1-3. PMID: <a href="#">PMC4220039</a> .
487. Mehta RL, Sanders PW, Agarwal A. (2014) Changing paradigms in acute kidney injury: from mechanisms to management – proceedings of the 5 <sup>th</sup> annual UAB-UCSD O'Brien Center Symposium (San Diego, Calif., USA, March 4, 2014). <i>Nephron Clin Pract</i> . 127(1-4):117-118. PMID: <a href="#">PMC4309370</a> .
488. 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 10 <sup>th</sup> Acute Dialysis Quality Initiative Consensus Conference. <i>Kidney Int</i> . 85(3):513-521. PMID: <a href="#">PMC4198530</a> .
489. Mustapic M, Maihofer AX, Mahata M, Chen Y, Baker DG, O'Connor DT, Nievergelt CM. (2014) The catecholamine biosynthetic enzyme dopamine $\beta$ -hydroxylase (DBH): first genome-wide search positions trait-determining variants acting additively in the proximal promoter. <i>Hum Mol Genet</i> . 23(23):6375-6384. PMID: <a href="#">PMC4222356</a> .
490. Nourbakhsh N, Singh P. (2014) Role of renal oxygenation and mitochondrial function in the pathophysiology of acute kidney injury. <i>Nephron Clin Pract</i> . 127(1-4):149-152. PMID: <a href="#">PMC5540439</a> .
491. Portilla D. (2014) Apoptosis, fibrosis and senescence. <i>Nephron Clin Pract</i> . 127(1-4):65-69.
492. 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. <i>Am J Physiol Renal Physiol</i> . 307(11):F1274-F1282. PMID: <a href="#">PMC4254969</a> .
493. Ravi S, Mitchell T, Kramer PA, Chacko B, Darley-Usmar VM. (2014) Mitochondria in monocytes and macrophages-implications for translational and basic research. <i>Int J Biochem Cell Biol</i> . 53C:202-207. PMID: <a href="#">PMC4111987</a> .
494. Reily 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. <i>J Immunol Res</i> . 2014:197548. PMID: <a href="#">PMC4134797</a> .
495. Rieg T, Kohan DE. (2014) Regulation of nephron water and electrolyte transport by adenylyl cyclases. <i>Am J Physiol Renal Physiol</i> . 306(7):F701-F709. PMID: <a href="#">PMC3962601</a> .
496. 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. <i>Am J Physiol Renal Physiol</i> . 306(2):F188-F193. PMID: <a href="#">PMC3920019</a> .
497. Schneider AG, Bagshaw SM. (2014) Effects of renal replacement therapy on renal recovery after acute kidney injury. <i>Nephron Clin Pract</i> . 127(1-4):35-41.
498. Sharma A, Mucino MJ, Ronco C. (2014) Renal functional reserve and renal recovery after acute kidney injury. <i>Nephron Clin Pract</i> . 127(1-4):94-100.
499. Singh P, Thomson SC. (2014) Salt sensitivity of tubuloglomerular feedback in the early remnant kidney. <i>Am J Physiol Renal Physiol</i> . 306(2):F172-F180. PMID: <a href="#">PMC3920016</a> .
500. 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. <i>Kidney Int</i> . 86(3):515-524. PMID: <a href="#">PMC4149847</a> .
501. Tran M, Parikh SM. (2014) Mitochondrial biogenesis in the acutely injured kidney. <i>Nephron Clin Pract</i> . 127(1-4):42-45.
502. Vallon V. (2014) Do tubular changes in the diabetic kidney affect the susceptibility to acute kidney injury? <i>Nephron Clin Pract</i> . 127(1-4):133-138.
503. 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. <i>Exp Physiol</i> . 99(9):1140-1145. PMID: <a href="#">PMC4162767</a> .

504. 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. <i>Am J Physiol Renal Physiol.</i> 306(2):F194-F204. PMID: <a href="#">PMC3920018</a> .
505. Vincent IS, Okusa MD. (2014) Biology of renal recovery: molecules, mechanisms, and pathways. <i>Nephron Clin Pract.</i> 127(1-4):10-14. PMID: <a href="#">PMC4209401</a> .
506. 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. <i>Nutr Res.</i> 34(2):116-125. PMID: <a href="#">PMC4028846</a> .
507. Wall SB, Smith MR, Ricart K, Zhou F, Vayalil PK, Oh JY, Landar A. (2014) Detection of electrophile-sensitive proteins. <i>Biochim Biophys Acta.</i> 1840(2):913-922. PMID: <a href="#">PMC3858512</a> .
508. 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. <i>Nat Rev Nephrol.</i> 10(3):146-157. PMID: <a href="#">PMC4137491</a> .
509. 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? <i>Am J Perinatol.</i> 31(6):541-546. PMID: <a href="#">PMC4451220</a> .
510. Wells JM, O'Reilly PJ, Szul T, Sullivan DI, Handley G, Garrett C, McNicholas CM, Roda MA, Miller BE, Tal-Singer R, Gaggari 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. <i>Am J Respir Crit Care Med.</i> 190(1):51-61. PMID: <a href="#">PMC4226028</a> .
511. 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. <i>Arch Biochem Biophys.</i> 559:3-11. PMID: <a href="#">PMC4143533</a> .
512. Ying WZ, Aaron KJ, Sanders PW. (2014) Sodium and potassium regulate endothelial phospholipase C-γ and Bmx. <i>Am J Physiol Renal Physiol.</i> 307(1):F58-F63. PMID: <a href="#">PMC4080160</a> .
513. Zager RA. (2014) Progression from acute kidney injury to chronic kidney disease: clinical and experimental insights and queries. <i>Nephron Clin Pract.</i> 127(1-4):46-50. PMID: <a href="#">PMC4209442</a> .

**2013**

514. Aaron KJ, Sanders PW. (2013) Role of dietary salt and potassium intake in cardiovascular health and disease: a review of the evidence. *Mayo Clin Proc.* 88(9):987-995. PMID: [PMC3833247](#).
515. Agarwal A, Bolisetty S. (2013) Adaptive responses to tissue injury: role of heme oxygenase-1. *Trans Am Clin Climatol Assoc.* 124:111-122. PMID: [PMC3715920](#).
516. Allen CE, Sanders PW. (2013) Hypertensive nephrosclerosis: not enough of a good thing? *Am J Physiol Renal Physiol.* 304(6):F674-F675. PMID: [PMC3602697](#).
517. 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. *Pediatr Nephrol.* 28(4):661-666. PMID: [PMC5545796](#).
518. 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  $\leq$  10kg: a report from the prospective pediatric continuous renal replacement therapy registry. *J Pediatr.* 162(3):587-592. PMID: [PMC5545826](#).
519. Barnes S, Prasain J, Kim H. (2013) In nutrition, can we "see" what is good for us? *Adv Nutr.* 4(3):327S-334S. PMID: [PMC3650504](#).
520. Bhanushali GK, Jain G, Fatima H, Leisch LJ, Thornley-Brown D. (2013) AKI associated with synthetic cannabinoids: a case series. *Clin J Am Soc Nephrol.* 8(4):523-526. PMID: [PMC3613952](#).
521. 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. *Am J Physiol Renal Physiol.* 305(3):F255-F264. PMID: [PMC3742869](#).
522. 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. *Int J Cardiol.* 167(1):151-156. PMID: [PMC3395757](#).
523. 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. *Lab Invest.* 93(6):690-700. PMID: [PMC3674307](#).
524. 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. *Nat Med.* 20(1):37-46. PMID: [PMC4114723](#).
525. 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. *Hypertension.* 62(1):85-90. PMID: [PMC3806646](#).
526. 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. *J Hypertens.* 31(3):530-536. PMID: [PMC4176919](#).
527. 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. *Clin Exp Pharmacol Physiol.* 40(2):123-137. PMID: [PMC3951849](#).
528. Han SM, El Oussini H, Scekcic-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 caenorhabditis. *PLoS Genet.* 9(9):e1003738. PMID: [PMC3764199](#).
529. Hoang HD, Prasain JK, Dorand D, Miller MA. (2013) A heterogenous mixture of F-series prostaglandins promotes sperm guidance in the Caenorhabditis elegans reproductive tract. *PLoS Genet.* 9(1):e1003271. PMID: [PMC3561059](#).
530. 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. *Lab Invest.* 93(8):868-879. PMID: [PMC3729748](#).
531. Kanbay M, Bayram Y, Solak Y, Sanders PW. (2013) Dietary potassium: a key mediator of the cardiovascular response to dietary sodium chloride. *J Am Soc Hypertens.* 7(5):395-400. PMID: [PMC4083820](#).
532. Lewington AJ, Cerda J, Mehta RL. (2013) Raising awareness of acute kidney injury: a global perspective of a silent killer. *Kidney Int.* 84(3):457-467. PMID: [PMC3758780](#).

533. Merscher-Gomez S, Guzman J, Pedigo CE, Lehto M, Aguilon-Prada R, Mendez A, Lassenius MI, Forsblom C, Yoo T, Villarreal R, Maviguel D, Johnson K, Goldberg R, Nair V, Randolph A, Kretzler M, Nelson RG, Burke GW 3 <sup>rd</sup> , Groop PH, Fornoni A, the FinnDiane Study Group. (2013) Cyclodextrin protects podocytes in diabetic kidney disease. <i>Diabetes</i> . 62(11):3817-3827. PMID: <a href="#">PMC3806621</a> .
534. 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 $\beta$ -cells. <i>Am J Physiol Endocrinol Metab</i> . 305(5):E585-E599. PMID: <a href="#">PMC3761167</a> .
535. Mrug M, Sanders PW. (2013) Beware the low HDAC11: males at risk for ischemic kidney injury. <i>Am J Physiol Renal Physiol</i> . 305(7):F973-F974. PMID: <a href="#">PMC3798743</a> .
536. Pacurari M, Xing D, Hilgers RH, Guo YY, Yang Z, Hage F. (2013) Endothelial cell transfusion ameliorates endothelial dysfunction in 5/6 nephrectomized rats. <i>Am J Physiol Heart Circ Physiol</i> . 305(8):H1256-H1264. PMID: <a href="#">PMC3798787</a> .
537. 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. <i>PLoS One</i> . 8(12):e82956. PMID: <a href="#">PMC3876991</a> .
538. Pegues MA, McCrory MA, Zarjou A, Szalai AJ. (2013) C-reactive protein exacerbates renal ischemia-reperfusion injury. <i>Am J Physiol Renal Physiol</i> . 304(11):F1358-F1365. PMID: <a href="#">PMC3680688</a> .
539. 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. <i>J Chromatogr B Analyt Technol Biomed Life Sci</i> . 913-914:161-168. PMID: <a href="#">PMC3779072</a> .
540. Prasain JK, Hoang HD, Edmonds JW, Miller MA. (2013) Prostaglandin extraction and analysis in <i>Caenorhabditis elegans</i> . <i>J Vis Exp</i> . (76). PMID: <a href="#">PMC3728984</a> .
541. Reily C, Mitchell T, Chacko BK, Benavides G, Murphy MP, Darley-Usmar V. (2013) Mitochondrially targeted compounds and their impact on cellular bioenergetics. <i>Redox Biol</i> . 1(1):86-93. PMID: <a href="#">PMC3647698</a> .
542. Rieg T. (2013) A high-throughput method for measurement of glomerular filtration rate in conscious mice. <i>J Vis Exp</i> . 75:e50330. PMID: <a href="#">PMC3679673</a> .
543. Rieg T, Dominguez Rieg J. (2013) Connecting type A intercalated cell metabolic state to V-ATPase function: phosphorylation does matter! <i>Am J Physiol Renal Physiol</i> . 305(8):F1105-F1106. PMID: <a href="#">PMC3798730</a> .
544. Rieg T, Tang T, Uchida S, Hammond HK, Fenton RA, Vallon V. (2013) Adenylyl cyclase 6 enhances NKCC2 expression and mediates vasopressin-induced phosphorylation of NKCC2 and NCC. <i>Am J Pathol</i> . 182(1):96-106. PMID: <a href="#">PMC3532715</a> .
545. Santriano J, Sharma K. (2013) Autophagy and metabolic changes in obesity-related chronic kidney disease. <i>Nephrol Dial Transplant</i> . 28 Suppl4:iv29-iv36. PMID: <a href="#">PMC3814227</a> .
546. 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. <i>Am J Physiol Renal Physiol</i> . 305(5):F727-F733. PMID: <a href="#">PMC3761200</a> .
547. 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. <i>Cancer Res</i> . 72(22):6609-6620. PMID: <a href="#">PMC3854493</a> .
548. 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. <i>J Am Soc Nephrol</i> . 24(3):456-464. PMID: <a href="#">PMC3582198</a> .
549. 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. <i>Transplantation</i> . 95(1):48-53. PMID: <a href="#">PMC3700407</a> .
550. Singh P, Ricksten SE, Bragadottir G, Redfors B, Nordquist L. (2013) Renal Oxygenation and haemodynamics in acute kidney injury and chronic kidney disease. <i>Clin Exp Pharmacol Physiol</i> . 40(2):138-147. PMID: <a href="#">PMC3710120</a> .
551. 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. <i>Am J Kidney Dis</i> . 62(2):201-213. PMID: <a href="#">PMC3929429</a> .



552. Tolwani A. (2013) Continuous Renal Replacement Therapy for Acute Kidney Injury. <i>N Engl J Med.</i> 368(12):1160-1161.
553. 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. PMID: <a href="#">PMC3543626</a> .
554. Wang HE, Gaurav J, Glassock 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 Dialy Transplant.</i> 28(6):1447-1454. PMID: <a href="#">PMC3685303</a> .
555. Ying WZ, Aaron KJ, Sanders PW. (2013) Transforming growth factor- $\beta$ regulates endothelial function during high salt intake in rats. <i>Hypertension.</i> 62(5):951-956. PMID: <a href="#">PMC3972137</a> .
556. 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. PMID: <a href="#">PMC3784534</a> .

**2012**

557. Ahmed A, Fonarow GC, Zhang Y, Sanders PW, Allman RM, Arnett DK, Feller MA, Love TE, Aban IB, Levesque R, Ekundayo OJ, Dell'Italia LJ, Bakris GL, Rich MW. (2012) Renin-angiotensin inhibition in systolic heart failure and chronic kidney disease. *Am J Med.* 125(4):399-410. PMID: [PMC3324926](#).
558. Askenazi DJ, Selewski DT, Paden ML, Cooper DS, Bridges BC, Zappitelli M, Fleming GM. (2012) Renal Replacement Therapy in Critically Ill Patients Receiving Extracorporeal Membrane Oxygenation. *Clin J Am Soc Nephrol.* 7(8):1328-1326. PMID: [PMC5486859](#).
559. Askenazi DJ, Koralkar R, Hundley HE, Montesanti A, Parwar P, Sonjara S, Ambalavanan N. (2012) Urine Biomarkers Predict Acute Kidney Injury in Newborns. *J Pediatr.* 161(2):270-275. PMID: [PMC3598122](#).
560. Askenazi DJ. (2012) Do children with acute kidney injury require long-term evaluation for CKD? *Am J Kidney Dis.* 59(4):478-480. PMID: [PMC5545794](#).
561. Blantz RC, Singh P, Deng A, Thomson SC, Vallon V. (2012) Acute Saline Expansion Increases Nephron Filtration and Distal Flow Rate but Maintains Tubuloglomerular Feedback Responsiveness: Role of Adenosine A1 Receptors. *Am J Physiol Renal Physiol.* 303(3):F405-F411. PMID: [PMC3433865](#).
562. Borsting E, Cheng VP, Glass CK, Vallon V, Cunard R. (2012) Peroxisome proliferator-activated receptor- $\gamma$  agonists repress epithelial sodium channel expression in the kidney. *Am J Physiol Renal Physiol.* 302(5):F540-F551. PMID: [PMC3353644](#).
563. Bridges BC, Askenazi DJ, Smith J, Goldstein SL. (2012) Pediatric renal replacement therapy in the intensive care unit. *Blood Purif.* 34(2):138-148. PMID: [PMC5545793](#).
564. Buckoreelall K, Sun Y, Hobrath JV, Wilson L, Parker WB. (2012) Identification of Rv0535 as methylthioadenosine phosphorylase from *Mycobacterium tuberculosis*. *Tuberculosis (Edinb).* 92(2):139-147. PMID: [PMC3288397](#).
565. Claude-Del Granado R, Macedo E, Chertow GM, Soroko S, Himmelfarb J, Ikizler TA, Paganini EP, Mehta RL. (2012) Toward the optimal dose metric in continuous renal replacement therapy. *Int J Artif Organs.* 35(6):413-424. PMID: [PMC4108204](#).
566. Cutter GR. (2012) Statistical cures and other fallacies. *Mult Scler.* 18(4):387-390.
567. Dawoud D, Lyndon W, Mrug S, Bissler JJ, Mrug M. (2012) Impact of ultrasound-guided kidney biopsy simulation on trainee confidence and biopsy outcomes. *Am J Nephrol.* 36(6):570-574. PMID: [PMC3918883](#).
568. Feng W, Chumley P, Hua P, Rezonzew G, Haimes D, Duckworth MW, Xing D, Jaimes EA. (2012) Role of the transcription factor erythroblastosis virus E26 oncogen homolog-1 (ETS-1) as mediator of the renal proinflammatory and profibrotic effects of angiotensin II. *Hypertension.* 60(5):1226-1233. PMID: [PMC4309546](#).
569. Fleming GM, Askenazi DJ, Bridges BC, Cooper DS, Paden ML, Selewski DT, Zappitelli M. (2012) A Multicenter International Survey of Renal Supportive Therapy During ECMO: The Kidney Intervention During Extracorporeal Membrane Oxygenation (KIDMO) Group. *ASAIO J.* 58(4):407-414. PMID: [PMC5486948](#).
570. Giordano S, Lee J, Darley-Usmar VM, Zhang J. (2012) Distinct effects of rotenone, 1-methyl-4-phenylpyridinium and 6-hydroxydopamine on cellular bioenergetics and cell death. *PLoS One.* 7(9):e44610. PMID: [PMC3435291](#).
571. Gorboulev V, Schürmann A, Vallon V, Kipp H, Jaschke A, Klessen D, Friedrich A, Scherneck S, Rieg T, Cunard R, Veyhl-Wichmann M, Srinivasan A, Balen D, Brelljak 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. *Diabetes.* 61(1):187-196. PMID: [PMC3237647](#).
572. Greaney JL, DuPont JJ, Lennon-Edwards SL, Sanders PW, Edwards DG, Farquhar WB. (2012) Dietary sodium loading impairs microvascular function independent of blood pressure in humans: role of oxidative stress. *J Physiol.* 590(21):5519-5528. PMID: [PMC3515835](#).
573. Guo L, Agarwal A, George JF. (2012) Orthotopic Aortic Transplantation in Mice for the Study of Vascular Disease. *J Vis Exp.* 28(69):e4338. PMID: [PMC3565855](#).
574. Hardison MT, Brown MD, Snelgrove RJ, Blalock JE, Jackson P. (2012) Cigarette smoke enhances chemotaxis via acetylation or proline-glycine-proline. *Front Biosci (Elite Ed).* 4:2402-2409. PMID: [PMC5796637](#).
575. He L, Kim T, Long Q, Liu J, Wang P, Zhou Y, Ding Y, Prasain J, Wood PA, Yang Q. (2012) Carnitine palmitoyltransferase-1b deficiency aggravates pressure overload-induced cardiac hypertrophy caused by lipotoxicity. *Circulation.* 126(14):1705-1716. PMID: [PMC3484985](#).

576. Higdon AN, Benavides GA, Chacko BK, Ouyang X, Johnson MS, Landar A, Zhang J, Darley-Usmar VM. (2012) Hemin causes mitochondrial dysfunction in endothelial cells through promoting lipid peroxidation: the protective role of autophagy. <i>Am J Physiol Heart Circ Physiol.</i> 302(7):H1394-H1409. PMID: <a href="#">PMC3330785</a> .
577. Hovater MB, Sanders PW. (2012) Effect of dietary salt on regulation of TGF- $\beta$ in the kidney. <i>Semin Nephrol.</i> 32(3):269-276. PMID: <a href="#">PMC3407676</a> .
578. Hua P, Feng W, Rezonzew G, Chumley P, Jaimes EA. (2012) The transcription factor ETS-1 regulates angiotensin II-stimulated fibronectin production in mesangial cells. <i>Am J Physiol Renal Physiol.</i> 302(11) F1418-F1429.
579. James DB, Yother J. (2012) Genetic and biochemical characterizations of enzymes involved in Streptococcus pneumonia serotype 2 capsule synthesis demonstrate that Cps2T (WchF) catalyzes the committed step by addition of $\beta$ 1-4 rhamnose, the second sugar residue in the repeat unit. <i>J Bacteriol.</i> 194(23):6479-6489. PMID: <a href="#">PMC3497468</a> .
580. Jetton JG, Askenazi DJ. (2012) Update on acute kidney injury in the neonate. <i>Curr Opin Pediatr.</i> 24(2):191-196. PMID: <a href="#">PMC5545784</a> .
581. Kelpke SS, Chen B, Bradley K, Teng X, Chumley P, Moore B, Head H, Viera L, Thompson JA, Crossman DK, Bray MS, Eckhoff DE, Agarwal A, Patel RP. (2012) Sodium nitrite therapy protects against brain death induced kidney injury and improves post-transplantation outcomes. <i>Kidney Int.</i> 82(3):304-313. PMID: <a href="#">PMC3412933</a> .
582. Kennedy RE, Schneider LS, Cutter GR. (2012) Biomarker Positive and Negative Subjects in the ADNI Cohort: Clinical Characterization. <i>Curr Alzheimer Res.</i> 9(10):1135-1141.
583. Kim J, Zarjou A, Traylor AM, Hull TD, Jaimes EA, George JF, Mikhail FM, Agarwal A. (2012) In vivo regulation of the heme oxygenase-1 gene in humanized transgenic mice. <i>Kidney Int.</i> 82(3):278-291. PMID: <a href="#">PMC3396739</a> .
584. Kwon M, Pavlov TS, Nozu K, Rasmussen SA, Ilatovskaya DV, Lerch-Gaggl A, North LM, Kim H, Qian F, Sweeney WE Jr, Avner ED, Blumer JB, Staruschenko A, Park F. (2012) G-protein signaling modulator 1 deficiency accelerates cystic disease in an orthologous mouse model of autosomal dominant polycystic kidney disease. <i>Proc Natl Acad Sci USA.</i> 109(52):21462-21467. PMID: <a href="#">PMC3535663</a> .
585. Lang F, Vallon V. (2012) Serum- and glucocorticoid-inducible kinase 1 in the regulation of renal and extrarenal potassium transport. <i>Clin Exp Nephrol.</i> 16(1):73-80.
586. McClure M, DeLucas LJ, Wilson L, Ray M, Rowe SM, Wu X, Dai Q, Hong JS, Sorscher EJ, Kappes JC, Barnes S. (2012) Purification of CFTR for mass spectrometry analysis: identification of palmitoylation and other post-translational modifications. <i>Protein Eng Des Sel.</i> 25(1):7-14. PMID: <a href="#">PMC3276306</a> .
587. Mehta, RL: (2012) Acute kidney injury: AKI in acute myocardial infarction-are we making progress? <i>Nat Rev Nephrol.</i> 8(6):322-323.
588. Mitchell T, Darley-Usmar V. (2012) Metabolic syndrome and mitochondrial dysfunction: insights from preclinical studies with a mitochondrially targeted antioxidant. <i>Free Radic Biol Med.</i> 52(5):838-840. PMID: <a href="#">PMC3992111</a> .
589. Moskowitz-Kassai E, Mackelaite L, Chen J, Patel K, Dadhania DM, Gross SS, Chander P, Delaney V, Deng L, Chen L, Cui X, Suthanthiran M, Goligorsky MS. (2012) Excretion of anti-angiogenic proteins in patients with chronic allograft dysfunction. <i>Nephrol Dial Transplant.</i> 27(2):494-497. PMID: <a href="#">PMC3275786</a> .
590. Pan F, Goh JW, Cutter G, Su W, Pleimes D, Wang C. (2012) Long-Term Cost-Effectiveness Model of Interferon Beta-1b in the Early Treatment of Multiple Sclerosis in the United States. <i>Clin Ther.</i> 34(9):1966-1976.
591. Perianayagam MC, Tighiouart H, Liangos O, Kuznetsov D, Wald R, Rao F, O'Connor DT, Jaber B. (2012) Polymorphisms in the Myeloperoxidase Gene Locus and Acute Kidney Injury: A Two-Step Genetic Association Study. <i>Kidney Int.</i> 82(8):909-919. PMID: <a href="#">PMC3461107</a> .
592. Regev D, Surolia R, Karki S, Zolak J, Montes-Worboys A, Oliva O, Guroji P, Saini V, Steyn AJ, Agarwal A, Antony VB. (2012) Heme oxygenase-1 promotes granuloma development and protects against dissemination of mycobacteria. <i>Lab Invest.</i> 92(11):1541-1552. PMID: <a href="#">PMC4017357</a> .
593. Rieg T, Gerasimova M, Murray F, Masuda T, Tang T, Rose M, Drucker DJ, Vallon V. (2012) Natriuretic effect by exendin-4, but not the DPP-4 inhibitor alogliptin, is mediated via the GLP-1 receptor and preserved in obese type 2 diabetic mice. <i>Am J Physiol Renal Physiol.</i> 303(7):F963-F971. PMID: <a href="#">PMC3469689</a> .

594. Rezonzew G, Chumley P, Feng W, Hua P, Siegal G, Jaimes EA. (2012) Nicotine exposure and the progression of chronic kidney disease: role of the 7-nicotine acetylcholine receptor. <i>Am J Physiol Renal Physiol.</i> 303(2):F304–F312. PMID: <a href="#">PMC3404588</a> .
595. Saag KG, Mohr PE, Esmail L, Mudano AS, Wright N, Beukelman T, Curtis JR, Cutter G, Delzell E, Gary LC, Harrington TM, Karkare S, Kilgore ML, Lewis CE, Moloney R, Oliveira A, Singh JA, Warriner A, Zhang J, Berger M, Cummings SR, Pace W, Solomon DH, Wallace R, Tunis SR. (2012) Improving the efficiency and effectiveness of pragmatic clinical trials in older adults in the United States. <i>Contemp Clin Trials.</i> 33(6):1211-1216. PMID: <a href="#">PMC3675785</a> .
596. Sabolic I, Vrhovac I, Eror DB, Gerasimova M, Rose M, Breljak D, Ljubojevic M, Brzica H, Sebastiani A, Thal SC, Sauvant C, Kipp H, Vallon V, Koepsell H. (2012) Expression of NA <sup>+</sup> -D-glucose cotransporter SGLT2 in rodents is kidney-specific and exhibits sex and species differences. <i>Am J Physiol Cell Physiol.</i> 302(8):C1174–C1188. PMID: <a href="#">PMC3774553</a> .
597. Sanders PW. (2012) Mechanisms of light chain injury along the tubular nephron. <i>J Am Soc Nephrol.</i> 23(11):1777-1781.
598. Schoeb TR, Jarmi T, Hicks JM, Henke S, Zarjou A, Hitoshi S, Kramer P, Novak J, Agarwal A, Bullard DC. (2012) Endothelial nitric oxide synthase inhibits the development of autoimmune-mediated vasculitis in mice. <i>Arthritis Rheum.</i> 64(12):4114-4124. PMID: <a href="#">PMC3510336</a> .
599. Singh P, Blantz RC, Rosenberger C, Gabbai FB, Schoeb TR, Thomson SC. (2012) Aberrant tubuloglomerular feedback and HIF-1 $\alpha$ confer resistance to ischemia after subtotal nephrectomy. <i>J Am Soc Nephrol.</i> 23(3):483-493. PMID: <a href="#">PMC3294306</a> .
600. Susantitaphong P, Perianayagam MC, Kang SW, Zhang W, Rao F, O'Connor DT, Jaber BL. (2012) Association of functional kallikrein-1 promoter polymorphisms and acute kidney injury: a case-control and longitudinal cohort study. <i>Nephron Clin Pract.</i> 122(3-4):107-113. PMID: <a href="#">PMC3700581</a> .
601. Tan CK, Carey AJ, Cui X, Webb RI, Ipe D, Crowley M, Cripps AW, Benjamin WH Jr, Ulett KB, Schembri MA, Ulett GC. (2012) Genome-wide mapping of cystitis due to <i>Streptococcus agalactiae</i> and <i>Escherichia coli</i> in mice identifies a unique bladder transcriptome that signifies pathogen-specific antimicrobial defense against urinary tract infection. <i>Infect Immun.</i> 80(9):3145-3160. PMID: <a href="#">PMC3418756</a> .
602. Taub PR, Borden KC, Fard A, Maisel A. (2012) Role of biomarkers in the diagnosis and prognosis of acute kidney injury in patients with cardiorenal syndrome. <i>Expert Rev Cardiovasc Ther.</i> 10(5):657-667. PMID: <a href="#">PMC4060800</a> .
603. Teerlink JR, Iragui VJ, Mohr JP, Carson PE, Hauptman PJ, Lovett DH, Miller AB, Piña IL, Thomson S, Varosy PD, Zile MR, Cleland JG, Givertz MM, Metra M, Ponikowski P, Voors AA, Davison BA, Cotter G, Wolko D, Delucca P, Salerno CM, Mansoor GA, Dittrich H, O'Connor D, Massie BM. (2012) The safety of an adenosine A(1)-receptor antagonist, rolofylline, in patients with acute heart failure and renal impairment: findings from PROTECT. <i>Drug Saf.</i> 35(3):233-244.
604. Thomson SC, Rieg T, Miracle C, Mansoury H, Whaley J, Vallon V, Singh P. (2012) Acute and chronic effects of SGLT2 blockade on glomerular and tubular function in the early diabetic rat. <i>Am J Physiol Regul Integr Comp Physiol.</i> 302(1):R75-R83. PMID: <a href="#">PMC3349378</a> .
605. Toney GM, Vallon V, Stockand JD. (2012) Intrinsic control of sodium excretion in the distal nephron by inhibitory purinergic regulation of the epithelial Na(+) channel. <i>Curr Opin Nephrol Hypertens.</i> 21(1):52-60. PMID: <a href="#">PMC3689579</a> .
606. Vallon V, Eraly SA, Ramachandra Rao S, Gerasimova M, Rose M, Nagle M, Anzai N, Smith T, Sharma K, Nigam SK, Rieg T. (2012) A role for the organic anion transporter OAT3 in renal creatinine secretion in mice. <i>Am J Physiol Renal Physiol.</i> 302(10):F1293-F1299. PMID: <a href="#">PMC3362066</a> .
607. Vallon V, Stockand J, Rieg T. (2012) P2Y receptors and kidney function. <i>Wiley Interdiscip Rev Membr Transp Signal.</i> 1(6):731-742. PMID: <a href="#">PMC3490424</a> .
608. Vallon V, Thomson SC. (2012) Renal function in diabetic disease models: the tubular system in the pathophysiology of the diabetic kidney. <i>Annu Rev Physiol.</i> 74:351-375. PMID: <a href="#">PMC3807782</a> .
609. Wall SB, Oh JY, Diers AR, Landar A. (2012) Oxidative modification of proteins: an emerging mechanism of cell signaling. <i>Front Physiol.</i> 3:369. PMID: <a href="#">PMC3442266</a> .
610. Wang HE, Muntner P, Chertow GM, Warnock DG. (2012) Acute kidney injury and mortality in hospitalized patients. <i>Am J Nephrol.</i> 35(4):349-355. PMID: <a href="#">PMC3362180</a> .
611. Ying WZ, Aaron KJ, Sanders PW. (2012) Effect of aging and dietary salt and potassium intake on endothelial PTEN (Phosphatase and tensin homolog on chromosome 10) function. <i>PLoS ONE.</i> 7(11):e41785. PMID: <a href="#">PMC3492426</a> .

612. Ying WZ, Allen CE, Curtis LM, Aaron KJ, Sanders PW. (2012) Mechanism and prevention of acute kidney injury from cast nephropathy in a rodent model. <i>J Clin Invest.</i> 122(5):1777-1785. PMID: <a href="#">PMC3336971</a> .
613. Ying WZ, Wang PX, Sanders PW. (2012) Pivotal role of apoptosis signal-regulating kinase 1 in monoclonal free light chain-mediated apoptosis. <i>Am J Pathol.</i> 180(1):41-47. PMID: <a href="#">PMC3338338</a> .
614. Zarjou A, Sanders PW, Mehta RL, Agarwal A. (2012) Enabling innovative translational research in acute kidney injury. <i>Clin Transl Sci.</i> 5(1):93-101. PMID: <a href="#">PMC3292183</a> .
615. Zarjou A, Agarwal A. (2012) Superoxide in AVF Dysfunction: a new target for intervention. <i>Am J Physiol Renal Physiol</i> 303(12):F1599-F1600. PMID: <a href="#">PMC3532471</a> .
616. Zarjou A, Agarwal A. (2012) Heme oxygenase-1 as a target for TGF- $\beta$ in kidney disease. <i>Semin Nephrol.</i> 32(3):277-286. PMID: <a href="#">PMC3407376</a> .
617. Zarjou A, Guo L, Sanders PW, Mannon RB, Agarwal A, George JF. (2012) A reproducible mouse model of chronic allograft nephropathy with vasculopathy. <i>Kidney Int.</i> 82(11):1231-1235. PMID: <a href="#">PMC3495090</a> .
618. Zhou J, Ouyang X, Schoeb TR, Bolisetty S, Cui X, Mrug S, Yoder BK, Johnson MR, Szalai AJ, Mrug M. (2012) Kidney Injury Accelerates Cystogenesis via Pathways Modulated by Heme Oxygenase and Complement. <i>J Am Soc Nephrol.</i> 23(7):1161-1171. PMID: <a href="#">PMC3380643</a> .

**2011**

619. Aaron KJ, Campbell RC, Judd SE, Sanders PW, Muntner P. (2011) Association of dietary sodium and potassium intakes with albuminuria in normal-weight, overweight, and obese participants in the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study. *Am J Clin Nutr.* 94(4):1071-1078. PMID: [PMC3173025](#).
620. Anderson JT, Zeng M, Li Q, Stapley R, Moore DR 2nd, Chenna B, Fineberg N, Zmijewski J, Eltoum IE, Siegal GP, Gaggar A, Barnes S, Velu SE, Thannickal VJ, Abraham E, Patel RP, Lancaster JR, Chaplin DD, Dransfield MT, Deshane JS. (2011) Elevated levels of NO are localized to distal airways in asthma. *Free Radic Biol Med.* 50(11):1679-1688. PMID: [PMC3124865](#).
621. Askenazi D. (2011) Evaluation and management of critically ill children with acute kidney injury. *Curr Opin Pediatr.* 23(2):201-207. PMID: [PMC3289546](#).
622. Askenazi DJ, Koralkar R, Levitan EB, Goldstein SL, Devarajan P, Khandrika S, Mehta RL, Ambalavanan N. (2011) Baseline values of candidate urine acute kidney injury biomarkers vary by gestational age in premature infants. *Pediatr Res.* 70(3):302-306. PMID: [PMC3152663](#).
623. Askenazi DJ, Montesanti A, Hunley H, Koralkar R, Pawar P, Shuaib F, Liwo A, Devarajan P, Ambalavanan N. (2011) Urine biomarkers predict acute kidney injury and mortality in very low birth weight infants. *J Pediatr.* 159(6):907-912. PMID: [PMC5065006](#).
624. Bell PD, Fitzgibbon W, Sas K, Stenbit AE, Amria M, Houston A, Reichert R, Gilley S, Siegal GP, Bissler J, Bilgen M, Chou PC, Guay-Woodford L, Yoder B, Haycraft CJ, Siroky B. (2011) Loss of primary cilia upregulates renal hypertrophic signaling and promotes cystogenesis. *J Am Soc Nephrol.* 22(5):839-848. PMID: [PMC3083306](#).
625. Blantz RC, Singh P. (2011) Analysis of the Prerenal Contributions to Acute Kidney Injury. *Contrib Nephrol.* 174:4-11.
626. Bolisetty S, Agarwal A. (2011) Urine albumin as a biomarker in acute kidney injury. *Am J Physiol Renal Physiol.* 300(3):F626-F627. PMID: [PMC3064133](#).
627. Bowling CB, Feller MA, Mujib M, Pawar PP, Zhang Y, Ekundayo OJ, Aban IB, Love TE, Sanders PW, Anker SD, Fonarow GC, Ahmed A. (2011) Relationship between stage of kidney disease and incident heart failure in older adults. *Am J Nephrol.* 34(2):135-141. PMID: [PMC3136373](#).
628. Buckoreelall K, Wilson L, Parker WB. (2011) Identification and characterization of two adenosine phosphorylase activities in *Mycobacterium smegmatis*. *J Bacteriol.* 193(20):5668-5674. PMID: [PMC3187226](#).
629. Buckingham SC, Campbell SL, Haas BR, Montana V, Robel S, Ogunrinu T, Sontheimer H. (2011) Glutamate release by primary brain tumors induces epileptic activity. *Nat Med.* 17(10):1269-1274. PMID: [PMC3192231](#).
630. Claude-Del Granado R, Macedo E, Chertow GM, Soroko S, Himmelfarb J, Ikizler AT, Paganini EP, Mehta RL. (2011) Effluent volume in continuous renal replacement therapy overestimates the delivered dose of dialysis. *Clin J Am Soc Nephrol.* 6(3):467-475. PMID: [PMC3082402](#).
631. Claude-Del Granado R, Mehta RL. (2011) Withholding and withdrawing renal replacement support in AKI. *Semin Dial.* 24(2):208-214.
632. Claude-Del Granado R, Mehta RL. (2011) Assessing and delivering dialysis dose in AKI. *Semin Dial.* 24(2):157-163.
633. Clement LC, Avila-Casado C, Macé C, Soria E, Bakker WW, Kersten S, Chugh SS. (2011) Podocyte-secreted angiopoietin-like-4 mediates proteinuria in glucocorticoid-sensitive nephrotic syndrome. *Nat Med.* 17(1):117-122. PMID: [PMC3021185](#).
634. Dranka BP, Benavides GA, Diers AR, Giordano S, Zelickson BR, Reily C, Zou L, Chatham JC, Hill BG, Zhang J, Landar A, Darley-Usmar VM. (2011) Assessing bioenergetic function in response to oxidative stress by metabolic profiling. *Free Radic Biol Med.* 51(9):1621-1635. PMID: [PMC3548422](#).
635. Du Y, Zappitelli M, Mian A, Bennett M, Ma Q, Devarajan P, Mehta R, Goldstein SL. (2011) Urinary biomarkers to detect acute kidney injury in the pediatric emergency center. *Pediatr Nephrol.* 26(2):267-274.
636. Filippatos GS, Ahmed MI, Gladden JD, Mujib M, Aban IB, Love TE, Sanders PW, Pitt B, Ankar SD, Ahmed A. (2011) Hyperuricaemia, chronic kidney disease, and outcomes in heart failure: potential mechanistic insights from epidemiological data. *Eur Heart J.* 32(6):712-720. PMID: [PMC3056205](#).
637. Floyd KA, Stella DR, Wang CC, Laurentz S, McCabe GP, Srivastava OP, Barnes S. (2011) Genistein and genistein-containing dietary supplements accelerate the early stages of cataractogenesis in the male ICR/f rat. *Exp Eye Res.* 92(2):120-127. PMID: [PMC3034771](#).

638. Horikawa YT, Panneerselvam M, Kawaraguchi Y, Tsutsumi YM, Ali SS, Balijepalli RC, Murray F, Head BP, Niesman IR, Rieg T, Vallon V, Insel PA, Patel HH, Roth DM. (2011) Cardiac-specific overexpression of caveolin-3 attenuates cardiac hypertrophy and increases natriuretic peptide expression and signaling. <i>J Am Coll Cardiol</i> . 57(22):2273-2283. PMID: <a href="#">PMC3236642</a> .
639. Hutchison CA, Batuman V, Behrens J, Bridoux F, Sirac C, Dispenzieri A, Herrera GA, Lachmann H, Sanders PW. (2011) International Kidney and Monoclonal Gammopathy Research Group. The pathogenesis and diagnosis of acute kidney injury in multiple myeloma. <i>Nat Rev Nephrol</i> . 8(1):43-51. PMID: <a href="#">PMC3375610</a> .
640. Kanbay M, Chen Y, Solak Y, Sanders PW. (2011) Mechanisms and consequences of salt sensitivity and dietary salt intake. <i>Curr Opin Nephrol Hypertens</i> . 20(1):37-43. PMID: <a href="#">PMC3089903</a> .
641. Kang SW, Shih PA, Mathew RO, Mahata M, Biswas N, Rao F, Yan L, Bouchard J, Malhotra R, Tolwani A, Khandrika S, Mehta RL, O'Connor DT. (2011) Renal kallikrein excretion and epigenetics in human acute kidney injury: Expression, mechanisms and consequences. <i>BMC Nephrol</i> . 12:27. PMID: <a href="#">PMC3154145</a> .
642. Kister I, Chamot E, Bacon JH, Cutter G, Herbert J; New York State Multiple Sclerosis Consortium. (2011) Trend for decreasing Multiple Sclerosis Severity Scores (MSSS) with increasing calendar year of enrollment into the New York State Multiple Sclerosis Consortium. <i>Mult Scler</i> . 17(6):725-733.
643. Lee SA, Belyaeva OV, Wu L, Kedishvili NY. (2011) Retinol dehydrogenase 10 but not retinol/sterol dehydrogenase(s) regulates the expression of retinoic acid-responsive genes in human transgenic skin raft culture. <i>J Biol Chem</i> . 286(15):13550-13560. PMID: <a href="#">PMC3075701</a> .
644. Li FJ, Kubagawa Y, McCollum MK, Wilson L, Motohashi T, Bertoli LF, Barton JC, Barnes S, Davis RS, Kubagawa H. (2011) Enhanced levels of both the membrane-bound and soluble forms of IgM Fc receptor (FcμR) in patients with chronic lymphocytic leukemia. <i>Blood</i> . 118(18):4902-4909. PMID: <a href="#">PMC3208298</a> .
645. Li F, Glinskii OV, Zhou J, Wilson LS, Barnes S, Anthony DC, Glinsky VV. (2011) Identification and analysis of signaling networks potentially involved in breast carcinoma metastasis to the brain. <i>PLoS One</i> . 6(7) e21977. PMID: <a href="#">PMC3136937</a> .
646. Lu A, Miao M, Schoeb TR, Agarwal A, Murphy-Ullrich JE. (2011) Blockade of TSP1-dependent TGF-β activity reduces renal injury and proteinuria in a murine model of diabetic nephropathy. <i>Am J Pathol</i> . 178(6):2573-2586. PMID: <a href="#">PMC3124297</a> .
647. Macedo E, Malhotra R, Claude-Del Granado R, Fedullo P, Mehta RL. (2011) Defining urine output criterion for acute kidney injury in critically ill patients. <i>Nephrol Dial Transplant</i> . 26(2):509-515. PMID: <a href="#">PMC3108356</a> .
648. Marrie RA, Cutter G, Tyry T. (2011) Substantial adverse association of visual and vascular comorbidities on visual disability in multiple sclerosis. <i>Mult Scler</i> . 17(12):1464-1471.
649. Mehta RL. (2011) Management of acute kidney injury: it's the squeaky wheel that gets the oil! <i>Clin J Am Soc Nephrol</i> . 6(9):2102-2104.
650. Mehta RL, Bouchard J, Soroko S, Ikizler TA, Paganini EP, Chertow GM, Himmelfarb J. (2011) Sepsis as a Cause and Consequence of Acute Kidney Injury: Program to Improve Care in Acute Renal Disease (PICARD). <i>Intensive Care Med</i> . 37(2):241-248. PMID: <a href="#">PMC3028102</a> .
651. Mehta RL. (2011) Biomarker explorations in acute kidney injury: the journey continues. <i>Kidney Int</i> . 80(4):332-334.
652. Perianayagam MC, Tighiouart H, Nievergelt CM, O'Connor DT, Liangos O, Jaber BL. (2011) CYBA Gene Polymorphisms and Adverse Outcomes in Acute Kidney Injury: A Prospective Cohort Study. <i>Nephron Extra</i> . 1(1):112-123. PMID: <a href="#">PMC3290849</a> .
653. Rajbhandari R, Peng N, Moore R, Arabshahi A, Wyss JM, Barnes S, Prasain JK. (2011) Determination of cranberry phenolic metabolites in rats by liquid chromatography-tandem mass spectrometry. <i>J Agric Food Chem</i> . 59(12):6682-6688. PMID: <a href="#">PMC3165050</a> .
654. Rieg T, Gerasimova M, Boyer JL, Insel PA, Vallon V. (2011) P2Y2 receptor activation decreases blood pressure and increases renal Na <sup>+</sup> excretion. <i>Am J Physiol Regul Integr Comp Physiol</i> . 301(2):R510-R518. PMID: <a href="#">PMC3154711</a> .
655. Roy B, Pawar PP, Desai RV, Fonarow GC, Mujib M, Zhang Y, Feller MA, Ovalle F, Aban IB, Love TE, Iskandrian AE, Deedwania P, Ahmed A. (2011) A propensity-matched study of the comparative effectiveness of angiotensin receptor blockers versus angiotensin-converting enzyme inhibitors in heart failure patients age ≥ 65 years. <i>Am J Cardiol</i> . 108(10):1443-1448. PMID: <a href="#">PMC3324944</a> .
656. Sanders PW. (2011) Light chain-mediated tubulopathies. <i>Contrib Nephrol</i> . 169:262-269.
657. Shimamura M, Saunders U, Rha B, Guo L, Cassady KA, George JF, Britt WJ. (2011) Ganciclovir transiently attenuates murine cytomegalovirus-associated renal allograft inflammation. <i>Transplantation</i> . 92(7):759-766. PMID: <a href="#">PMC6064209</a> .

658. Singh P, Okusa MD. (2011) Role of Tubuloglomerular Feedback in the Pathogenesis of AKI. Controversies in Acute Kidney Injury. <i>Contrib Nephrol.</i> 174:12-21.
659. Sweeney DE, Vallon V, Rieg T, Wu W, Gallegos TF, Nigam SK. (2011) Functional Maturation of Drug Transporters in the developing, neonatal and postnatal Kidney. <i>Mol Pharmacol.</i> 80(1):147-154. PMID: <a href="#">PMC3127534</a> .
660. Thomson SC, Blantz RC. (2011) Biophysical basis of glomerular filtration. In <i>Seldin and Giebisch's The Kidney: Physiology and Pathophysiology</i> , Fifth Edition, Alpern RJ, Caplan M, and Moe OW (Eds) In Press 2011. Book Chapter.
661. Thomson SC, Blantz RC. (2011) Glomerular filtration rate. In <i>Comprehensive Physiology</i> . Pollack DM, Garvin J (eds), In Press, 2011. Book Chapter.
662. Vallon V, Komers R. (2011) Pathophysiology of the diabetic kidney. <i>Comp Physiol.</i> 1(3):1175-1232. PMID: <a href="#">PMC6029262</a> .
663. Vallon V, Platt KA, Cunard R, Schroth J, Whaley J, Thomson SC, Koepsell H, Rieg T. (2011) SGLT2 mediates glucose reabsorption in the early proximal tubule. <i>J Am Soc Nephrol.</i> 22(1):104-112. PMID: <a href="#">PMC3014039</a> .
664. Vallon V, Rieg T. (2011) Regulation of renal NaCl and water transport by the ATP/UTP/P2Y2 receptor system. <i>Am J Physiol Renal Physiol.</i> 301(3):F463-F475. PMID: <a href="#">PMC3174559</a> .
665. Vallon V, Thomson SC. (2011) Anomalous role for dietary salt in diabetes mellitus? <i>Nat Rev Endocrinol.</i> 7(7):377-378. PMID: <a href="#">PMC3335262</a> .
666. Vallon V. (2011) The proximal tubule in the pathophysiology of the diabetic kidney. <i>Am J Physiol Regul Integr Comp Physiol.</i> 300(5):R1009-R1022. PMID: <a href="#">PMC3094037</a> .
667. Vallon V. (2011) Molecular determinants of renal glucose reabsorption focus on "Glucose transport by human renal Na <sup>+</sup> -d-glucose co-transporters SGLT1 & SGLT2". <i>Am J Physiol Cell Physiol.</i> 300(1):C6-C8. PMID: <a href="#">PMC3023181</a> .
668. Weigent DA. (2011) High molecular weight isoforms of growth hormone in cells of the immune system. <i>Cell Immunol.</i> 271(1):44-52. PMID: <a href="#">PMC3751194</a> .
669. Wu QQ, Wang Y, Senitko M, Meyer C, Wigley CW, Ferguson DA, Grossman E, Chen J, Zhou ZJ, Hartono J, Winterberg P, Chen B, Agarwal A, Lu CY. (2011) Bardoxolone Methyl (BARD) ameliorates ischemic AKI and increases expression of protective genes - Nrf2, PPAR $\gamma$ , and HO-1. <i>Am J Physiol Renal Physiol.</i> 300(5):F1180-F1192. PMID: <a href="#">PMC3094059</a> .
670. Ying WZ, Wang PX, Aaron KJ, Basnayake K, Sanders PW. (2011) Immunoglobulin light chains activate nuclear factor- $\beta$ in renal epithelial cells through a Src-dependent mechanism. <i>Blood.</i> 117(4):1301-1307. PMID: <a href="#">PMC3056473</a> .
671. Zarjou A, Agarwal A. (2011) Sepsis and acute kidney injury. <i>J Am Soc Nephrol.</i> 22(6):999-1006.
672. Zarjou A, Kim J, Traylor AM, Sanders PW, Balla J, Agarwal A, Curtis LM. (2011) Paracrine effects of mesenchymal stem cells in cisplatin-induced renal injury require heme oxygenase-1. <i>Am J Physiol Renal Physiol.</i> 300(1):F254-F262. PMID: <a href="#">PMC3023217</a> .
673. Zarjou A, Yang S, Abraham E, Agarwal A, Liu G. (2011) Identification of a microRNA signature in renal fibrosis: Role of miR21. <i>Am J Physiol Renal Physiol.</i> 301(4):F793-F801. PMID: <a href="#">PMC3191802</a> .
674. Zavaczki E, Jeney V, Agarwal A, Zarjou A, Oros M, Katko M, Varga Z, Balla G, Balla J. (2011) Hydrogen sulfide inhibits the calcification and osteoblastic differentiation of vascular smooth muscle cells. <i>Kidney Int.</i> 80(7):731-739. PMID: <a href="#">PMC3257044</a> .
675. Zhang K, Chen Y, Wen G, Mahata M, Rao F, Fung MM, Vaingankar S, Biswas N, Gayen JR, Friese RS, Mahata SK, Hamilton BA, O'Connor DT. (2011) Catecholamine storage vesicles: role of core protein genetic polymorphisms in hypertension. <i>Curr Hypertens Rep.</i> 13(1):36-45. PMID: <a href="#">PMC3016145</a> .
676. Zhang Y, Fonarow GC, Sanders PW, Farahmand F, Allman RM, Aban IB, Love TE, Levesque R, Kilgore ML, Ahmed A. (2011) A propensity-matched study of the comparative effectiveness of angiotensin receptor blockers versus angiotensin-converting enzyme inhibitors in heart failure patients age $\geq$ 65 years. <i>Am J Cardiol.</i> 108(10):1443-1448. PMID: <a href="#">PMC3324349</a> .
677. Zheng Y, Qin H, Frank SJ, Deng L, Litchfield DW, Tefferi A, Pardanani A, Lin FT, Li J, Sha B, Benveniste EN. (2011) A CK2-dependent mechanism for activation of the JAK-STAT signaling pathway. <i>Blood.</i> 118(1):156-166. PMID: <a href="#">PMC3139382</a> .



**2010**

678. Alam A, O'Connor DT, Perianayagam MC, Kolyada AY, Chen Y, Rao F, Mahata M, Mahata S, Liangos O, Jaber BL. (2010) Phenylethanolamine N-Methyltransferase Gene Polymorphisms and Adverse Outcomes in Acute Kidney Injury. *Nephron Clin Pract.* 114(4):c253-c259. PMID: [PMC2865401](#).
679. Basnayake K, Ying WZ, Wang PX, and Sanders P. (2010) Immunoglobulin Light Chains Activate Tubular Epithelial Cells Through Redox Signaling. *J Am Soc Nephrol.* 21(7):1165-1173. PMID: [PMC3152234](#).
680. Bhatnagar V, Garcia EP, O'Connor DT, Brophy VH, Alcaraz J, Richard E, Bakris GL, Middleton JP, Norris KC, Wright J, Hiremath L, Contreras G, Appel LJ, Lipkowitz MS, AASK Study Investigators. (2010) CYP3A4 and CYP3A5 Polymorphisms and Blood Pressure Response to Amlodipine among African-American Men and Women with Early Hypertensive Renal Disease. *Am J Nephrol.* 31(2):95-103. PMID: [PMC2853591](#).
681. Bolisetty S, Traylor AM, Kim J, Joseph R, Ricart K, Landar A, Agarwal A. (2010) Heme oxygenase-1 inhibits renal tubular macroautophagy in acute kidney injury. *J Am Soc Nephrol.* 21(10):1702-1712. PMID: [PMC3013546](#).
682. Bouchard J, Macedo E, Mehta RL. (2010) Dosing of Renal Replacement Therapy in Acute Kidney Injury: Lessons Learned From Clinical Trials. *Am J Kidney Dis.* 55(3):570-579.
683. Bouchard J, Macedo E, Soroko S, Chertow GM, Himmelfarb J, Ikizler TA, Paganini EP, Mehta RL. (2010) Comparison of methods for estimating glomerular filtration rate in critically ill patients with acute kidney injury. *Nephrol Dial Transplant.* 25(1):102-107. PMID: [PMC2910324](#).
684. Bouchard J, Mehta RL. (2010) Fluid Balance Issues in the Critically Ill Patient. *Contrib Nephrol.* 164:69.
685. Bowling CB, Pitt B, Ahmed MI, Aban IB, Sanders PW, Mujib M, Campbell RC, Love TE, Aronow WS, Allman RM, Bakris GL, Ahmed A. (2010) Hypokalemia and outcomes in patients with chronic heart failure and chronic kidney disease: findings from propensity-matched studies. *Circ Heart Fail.* 3(2):253-260. PMID: [PMC2909749](#).
686. Chacko BK, Reily C, Srivastava A, Johnson MS, Ulasova E, Agarwal A, Zinn KR, Murphy MP, Kalyanaraman B, Darley-Usmar V. (2010) Prevention of diabetic nephropathy in the Ins2+/-Akita J mice by the mitochondria-targeted therapy Mito-Q. *Biochem J.* 432(1):9-19. PMID: [PMC2973231](#).
687. Chen Y, Lipkowitz MS, Salem RM, Fung MM, Bhatnagar V, Mahata M, Nievergelt CM, Rao F, Mahata SK, Schork NJ, Hicks PJ, Bowden DW, Freedman BI, O'Connor DT. (2010) Progression of chronic kidney disease (CKD): Adrenergic genetic influence on GFR decline in hypertensive nephrosclerosis. *Am J Nephrol.* 32(1):23-30. PMID: [PMC2914391](#).
688. Chen Y, Rao F, Wen G, Gayen JR, Zhang K, Vaingankar SM, Biswas N, Mahata M, Fries RS, Fung MM, Salem RM, Nievergelt C, Bhatnagar V, Hook VY, Ziegler MG, Mahata SK, Hamilton BA, O'Connor DT. (2010) Naturally occurring genetic variants in human chromogranin A (CHGA) associated with hypertension as well as hypertensive renal disease. *Cell Mol Neurobiol.* 30(8):1395-1400. PMID: [PMC3008929](#).
689. Chen Y, Salem RM, Rao F, Fung MM, Bhatnagar V, Pandey B, Mahata M, Waalen J, Nievergelt CM, Lipkowitz MS, Hamilton BA, Mahata SK, O'Connor DT. (2010) Common charge-shift mutation Glu65Lys in K<sup>+</sup> channel  $\beta$ 1, -Subunit KCNMB1: pleiotropic consequences for glomerular filtration rate and progressive renal disease. *Am J Nephrol.* 32(5):414-424. PMID: [PMC2975731](#).
690. Deng A, Arndt MA, Satriano J, Singh P, Rieg T. (2010) Renal Protection in Chronic Kidney Disease: Hypoxia Inducible Factor Activation Versus Angiotensin II Blockade. *Am J Physiol Renal Physiol.* 299(6):F1365-F1373. PMID: [PMC3006314](#).
691. Deshane J, Kim J, Bolisetty S, Hock TD, Hill-Kapturczak N, Agarwal A. (2010) Sp1 regulates chromatin looping between an intronic enhancer and distal promoter of the human heme oxygenase-1 gene in renal cells. *J Biol Chem.* 285(22):16476-16486. PMID: [PMC2878004](#).
692. Diers AR, Higdon AN, Ricart KC, Johnson MS, Agarwal A, Kalyanaraman B, Landar A, Darley-Usmar VM. (2010) Mitochondrial targeting of the electrophilic lipid 15-deoxy-Delta12, 14-prostaglandin J2 increases apoptotic efficacy via redox cell signaling mechanisms. *Biochem J.* 426(1):31-41. PMID: [PMC3079364](#).
693. Edmonds JW, Prasain JK, Dorand D, Yang Y, Hoang HD, Vibbert J, Kubagawa HM, Miller MA. (2010) Insulin/FOXO signaling regulates ovarian prostaglandins critical for reproduction. *Dev Cell.* 19(6):858-871. PMID: [PMC3026445](#).

694. Fogo AB, Bostad L, Svarstad E, Molls S, Barbey F, Geldenhuys L, West M, Ferluga D, Vujkovic B, Howie AJ, Burns A, Waldek S, Noel LH, Grunfeld JP, Valbuena C, Oliveira JP, Muller J, Brunig F, Zhang X, Warnock WG. (2010) Scoring system for renal pathology in Fabry disease: report of the International Study Group of Fabry Nephropathy (ISGFN). <i>Nephrol Dial Transplant</i> . 25(7):2168-2177. PMID: <a href="#">PMC2902894</a> .
695. George J, Agarwal A. (2010) Hydrogen: another gas with therapeutic potential. <i>Kidney Int</i> . 77(2):85-87.
696. Hellman NE, Liu Y, Merkel E, Austin C, Le Corre S, Beier DR, Sun Z, Sharma N, Yoder BK, Drummond IA. (2010) The zebrafish foxj1a transcription factor regulates cilia function in response to injury and epithelial stretch. <i>Proc Natl Acad Sci USA</i> . 107(43):18499-18504. PMID: <a href="#">PMC2972951</a> .
697. Higdon AN, Dranka BP, Hill BG, Oh JY, Johnson MS, Landar A, Darley-Usmar VM. (2010) Methods for imaging and detecting modification of proteins by reactive lipid species. <i>Free Radic Biol Med</i> . 47(3):201-212. PMID: <a href="#">PMC2727357</a> .
698. Lang F, Huang DY, Vallon V. (2010) SGK, renal function and hypertension. <i>J Nephrol</i> . Suppl 16:S124-S129. PMID: <a href="#">PMC4026186</a> .
699. Macedo E, Bouchard J, Soroko SH, Chertow GM, Himmelfarb J, Ikizker TA, Paganini EP, Mehta RL. (2010) Fluid accumulation, recognition and staging of acute kidney injury in critically-ill patients. <i>Crit Care</i> . 14(3):R82. PMID: <a href="#">PMC2911707</a> .
700. Macedo E, Mehta RL. (2010) Early vs Late start of dialysis: it's all about timing. <i>Crit Care</i> . 14(1):112. PMID: <a href="#">PMC2875487</a> .
701. Macedo E, Mehta RL. (2010) Prerenal Azotemia in Congestive Heart Failure. <i>Contrib Nephrol</i> . 164:79-87.
702. Marrie RA, Rudick R, Horwitz R, Cutter G, Tyry T, Campagnolo D, Vollmer T. (2010) Vascular comorbidity is associated with more rapid disability progression in multiple sclerosis. <i>Neurology</i> . 74(13):1041-1047. PMID: <a href="#">PMC2848107</a> .
703. Mehta RL. (2010) Timed and targeted therapy for acute kidney injury: a glimpse of the future. <i>Kidney Int</i> . 77(11):947-949.
704. Morse E, Schroth J, You YH, Pizzo DP, Okada S, Ramachandrarao S, Vallon V, Sharma K, Cunard R. (2010) TRB3 is stimulated in diabetic kidneys, regulated by the ER stress marker CHOP, and is a suppressor of podocyte MCP-1. <i>Am J Physiol Renal Physiol</i> . 299(5):F965-F972. PMID: <a href="#">PMC2980398</a> .
705. Mrug M, Bissler J. (2010) Simulation of real-time ultrasound-guided renal biopsy. <i>Kidney Int</i> . 78(7):705-707. PMID: <a href="#">PMC3420353</a> .
706. Parks DJ, Agarwal A, George JF. (2010) Heme oxygenase-1 Expression in murine dendritic cell subpopulations: Effect on CD8+ dendritic cell differentiation in vivo. <i>Am J Pathol</i> . 176(6):2831-2839. PMID: <a href="#">PMC2877844</a> .
707. Pochynyuk O, Rieg T, Bugaj V, Schroth J, Fridman A, Boss GR, Insel PA, Stockand JD, Vallon V. (2010) Dietary Na+ inhibits the open probability of the epithelial sodium channel in the kidney by enhancing apical P2Y2 receptor tone. <i>FASEB J</i> . 24(6):2056-2065. PMID: <a href="#">PMC2874475</a> .
708. Rieg T, Tang T, Murray F, Schroth J, Insel PA, Fenton RA, Hammond HK, Vallon V. (2010) Adenylate cyclase 6 determines cAMP formation and aquaporin-2 phosphorylation and trafficking in renal inner medulla. <i>J Am Soc Nephrol</i> . 21(12):2059-2068. PMID: <a href="#">PMC3014019</a> .
709. Rodriguez-Flores JL, Zhang K, Kang SW, Wen G, Ghosh S, Friese RS, Mahata SK, Subramaniam S, Hamilton BA, O'Connor DT. (2010) Conserved regulatory motifs at phenylethanolamine N-methyltransferase (PNMT) are disrupted by common functional genetic variation: an integrated computational/ experimental approach. <i>Mamm Genome</i> . 21(3-4):195-204. PMID: <a href="#">PMC2844968</a> .
710. Salem RM, O'Connor DT, Schork NJ. (2010) Curve-Based Multivariate Distance Matrix Regression (CMDMR) Analysis: Application to Genetic Association Analyses Involving Repeated Measures. <i>Physiol Genomics</i> . 42(2):236-247. PMID: <a href="#">PMC3032281</a> .
711. Sanders PW, Agarwal A. (2010) Acute Kidney Injury. ACP Medicine, A textbook of Medicine published by the American College of Physicians. Editor-in-chief – Elizabeth G. Nabel, MD. Decker Intellectual Properties, Hamilton, ON L8N 3K7, Canada. Book Chapter
712. Satriano J, Mansoury H, Deng A, Sharma K, Vallon V, Blantz RC, Thomson SC. (2010) Transition of kidney tubule cells to a senescent phenotype in early experimental diabetes. <i>Am J Physiol Cell Physiol</i> . 299(2):C374-C380. PMID: <a href="#">PMC2928628</a> .
713. Singh P, Rifkin DE, Blantz RC. (2010) Chronic kidney disease: an inherent risk factor for acute kidney injury? <i>Clin J Am Soc Nephrol</i> . 5(9):1690-1695.
714. Singh P, Thomson SC. (2010) Renal homeostasis and tubuloglomerular feedback. <i>Curr Opin Nephrol Hypertens</i> . 19(1):59-64.
715. Snelgrove RJ, Jackson PL, Hardison MT, Noerager BD, Kinloch A, Gaggar A, Shastry S, Rowe SM, Shim YM, Hussell T, Blalock JE. (2010) A critical role for LTA4H in limiting chronic pulmonary neutrophilic inflammation. <i>Science</i> . 330(6000):90-94. PMID: <a href="#">PMC3072752</a> .
716. Thomson SC, Blantz RC. (2010) A new role for charge of the glomerular capillary membrane. <i>J Am Soc Nephrol</i> . 21(12):2011-2013.

717.Vallon V, Sharma K. (2010) Sodium-glucose transport: role in diabetes mellitus and potential clinical implications. *Curr Opin Nephrol Hyperten.* 19(5):425-431. PMID: [PMC5886710](#).

718.Zhou J, Ouyang X, Cui X, Schoeb TR, Smythies LE, Johnson MR, Guay-Woodford LM, Chapman AB, Mrug M. (2010) Renal CD14 expression correlates with the progression of cystic kidney disease. *Kidney Int.* 78(6):550-560. PMID: [PMC3422025](#).

**2009**

719. Arndt MA, Battaglia V, Parisi E, Lortie MJ, Isome M, Baskerville C, Pizzo DP, Ientile R, Colombatto S, Toninello A, Satriano J. (2009) The arginine metabolite agmatine protects mitochondrial function and confers resistance to cellular apoptosis. *Am J Physiol Cell Physiol*. 296(6):C1411-C1419. PMID: [PMC2692420](#).
720. Bolisetty S, Agarwal A. (2009) Neutrophils and acute kidney injury: Not neutral any more. *Kidney Int*. 75(7):674-676.
721. Bouchard J, Mehta RL. (2009) Volume management in continuous renal replacement therapy. *Semin Dial*. 22(2):146-150.
722. Bouchard J, Mehta RL. (2009) Fluid accumulation and acute kidney injury: consequence or cause. *Curr Opin Crit Care*. 15(6):509-513.
723. Chen B, Guo L, Fan C, Bolisetty S, Joseph R, Wright MM, Agarwal A, George J. (2009) Carbon monoxide rescues heme oxygenase-1 deficient mice from arterial thrombosis in allogenic aortic transplantation. *Am J Pathol*. 175(1):422-429. PMID: [PMC2708827](#).
724. Chen Y, Mahata M, Rao F, Khandrika S, Courel M, Fung MM, Zhang K, Stridsberg M, Ziegler MG, Hamilton BA, Lipkowitz MS, Taupenot L, Nievergelt C, Mahata SK, O'Connor DT. (2009) Chromogranin A Regulates Renal Function by Triggering Weibel-Palade Body Exocytosis. *J Amer Soc Nephrol*. 20(7):1623-1632. PMID: [PMC2709688](#).
725. Cui X, Zhou J, Qiu J, Johnson MR, Mrug M. (2009) Validation of endogenous internal real-time PCR controls in renal tissues. *Am J Nephrol*. 30(5):413-417. PMID: [PMC2818397](#).
726. Deng A, Tang T, Singh P, Wang C, Satriano J, Thomson S, Blantz RC. (2009) Regulation of oxygen utilization by angiotensin II in chronic kidney disease. *Kidney Int*. 75:197-204. PMID: [PMC3151651](#).
727. Friese RS, Rao F, Khandrika S, Thomas BG, Ziegler MG, Schmid-Schonbein GW, O'Connor DT. (2009) Matrix metalloproteinases: Discrete elevations in essential hypertension and hypertensive end-stage renal disease. *Clin Exp Hypertens*. 31(7):521-533. PMID: [PMC2875383](#).
728. Fung MM, Chen Y, Lipkowitz MS, Salem RM, Bhatnagar V, Mahata M, Nievergelt CM, Rao F, Mahata SK, Schork NJ, Brophy VH, O'Connor DT, for the AASK co-investigators. (2009) Adrenergic Beta-1 Receptor Genetic Variation Predicts Longitudinal Rate Of GFR Decline In Hypertensive Nephrosclerosis. *Nephrol Dial Transplant*. 24(12):3677-3686. PMID: [PMC2790952](#).
729. Fung MM, O'Connor DT. (2009) Complex renal traits: role of adrenergic genetic polymorphism. *J Am Soc Nephrol*. 20(6):1172-1174.
730. Fung MM, Rana BK, Tang CM, Shiina T, Nievergelt C, Rao F, Salem RM, Waalen J, Ziegler MG, Insel PA, O'Connor DT. (2009) Dopamine D1 Receptor (DRD1) Genetic Polymorphism G-94A: Pleiotropic Effects On Heritable Renal Traits. *Kidney Int*. 76(10):1070-1080. PMID: [PMC2803094](#).
731. Hill BG, Reily C, Oh JY, Johnson MS, Landar A. (2009) Methods for the determination and quantification of the reactive thiol proteome. *Free Radic Biol Med*. 47(6):675-683. PMID: [PMC2759107](#).
732. Khosla N, Soroko SB, Chertow GM, Himmelfarb J, Ikizler TA, Paganini E, Mehta RL. (2009) Preexisting Chronic Kidney Disease: A potential for improved outcomes from acute kidney injury. *Clin J Am Soc Nephrol*. 4(12):1914-1919. PMID: [PMC2798877](#).
733. Lang F, Artunc F, Vallon V. (2009) The physiological impact of the serum and glucocorticoid-inducible kinase SGK1. *Curr Opin Nephrol Hypertens*. 18(5):439-448. PMID: [PMC2883450](#).
734. Lortie M, Bark S, Blantz R, Hook V. (2009) Detecting low abundance vasoactive peptides in plasma; progress towards absolute quantitation using nano LC-MS. *Anal Biochem*. 394(2):164-170. PMID: [PMC2745394](#).
735. Macedo E, Bouchard J, Mehta RL. (2009) Renal replacement therapy for acute renal failure. *Minerva Urol Nefrol*. 61(3):189-204.
736. Macedo E, Mehta RL. (2009) Prerenal failure: from old concepts to new paradigms. *Curr Opin Crit Care*. 15(6):467-473. PMID: [PMC3895370](#).
737. Marrie RA, Cutter G. (2009) Relapses in multiple sclerosis: important or not? *Neurology*. 73(20):1612-1613.
738. Marrie RA, Cutter G, Tyry T, Vollmer T. (2009) A cross-sectional study of bone health in multiple sclerosis. *Neurology*. 73(17):1394-1398. PMID: [PMC2769555](#).
739. Okusa MD, Chertow GM, Protilla D, Acute Kidney Injury Advisory Group of the American Society of Nephrology. (2009) The nexus of acute kidney injury, chronic kidney disease, and world Kidney Day. *Clin J Am Soc Nephrol*. 4(3):520-522. PMID: [PMC4571532](#).
740. Ricart KC, Bolisetty S, Johnson MS, Perez J, Agarwal A, Murphy MP, Landar A. (2009) The permissive role of mitochondria in the induction of haem oxygenase-1 in endothelial cells. *Biochem J*. 419(2):427-436. PMID: [PMC2737281](#).

741. Rieg T, Vallon V. (2009) ATP and adenosine in the local regulation of water transport and homeostasis by the kidney. <i>Am J Physiol Regul Integr Comp Physiol.</i> 296(2): R419-R427. PMID: <a href="#">PMC2643977</a> .
742. Sanders, PW. (2009) Dietary Salt Intake, Salt Sensitivity, and Cardiovascular Health. <i>Hypertension.</i> 53(3):442-445. PMID: <a href="#">PMC2678240</a> .
743. Sanders, PW. (2009) Vascular consequences of dietary salt intake. <i>Am J Physiol Renal Physiol.</i> 297(2):F237-F243. PMID: <a href="#">PMC2724242</a> .
744. Singh P, Deng A, Blantz RC, Thomson SC. (2009) Unexpected effect of angiotensin AT-1 receptor blockade on tubuloglomerular feedback in early subtotal nephrectomy. <i>Am J Physiol Renal Physiol.</i> 296(5):F1158-65. PMID: <a href="#">PMC2681370</a> .
745. Vallon V, Hummler E, Rieg T, Pochynyuk O, Bugaj V, Schroth J, Dechenes G, Rossier B, Cunard R, and Stockand J. (2009) Thiazolidinedione-induced fluid retention is independent of collecting duct alpha ENaC activity. <i>J Am Soc Nephrol.</i> 20(4):721-729. PMID: <a href="#">PMC2663822</a> .
746. Vallon V, Osswald H. (2009) Adenosine receptors and the kidney. In: <i>Handbook of Experimental Pharmacology</i> 193: Adenosine Receptors in Health and Disease, C.N. Wilson and S.J. Mustafa (eds.), Springer-Verlag Berlin Heidelberg, pp 443-470.
747. Vallon V, Schroth J, Lang F, Kuhl D, Uchida S. (2009) Expression and phosphorylation of the Na <sup>+</sup> -Cl <sup>-</sup> cotransporter NCC <i>in vivo</i> is regulated by dietary salt, potassium, and SGK1. <i>Am J Physiol Renal Physiol.</i> 297(3):F704-F712. PMID: <a href="#">PMC2739704</a> .
748. Vallon V, Schroth J, Satriano J, Blantz RC, Thomson SC, Rieg T. (2009) Adenosine A1 receptors determine glomerular hyperfiltration and the salt paradox in early streptozotocin diabetes mellitus. <i>Nephron Physiol.</i> 111(3):30-38. PMID: <a href="#">PMC2904473</a> .
749. Wright MM, Kim J, Hock TD, Leitinger N, Freeman BA, Agarwal A. (2009) Human haem oxygenase-1 induction by nitro-linoleic acid is mediated by cAMP, AP-1 and E-box response element interactions. <i>Biochem J.</i> 422(2):353-361. PMID: <a href="#">PMC2881470</a> .
750. Ying WZ, Aaron K, Wang PX, Sanders PW. (2009) Potassium inhibits dietary salt-induced TGF-β production. <i>Hypertension.</i> 54(5):1159-1163. PMID: <a href="#">PMC2766016</a> .

**2008**

751. Curtis LM, Chen S, Chen B, Agarwal A, Klug CA, Sanders PW. (2008) Contribution of intrarenal cells to cellular repair after acute kidney injury: subcapsular implantation technique. *Am J Physiol Renal Physiol.* 295(1):F310-F314. PMID: [PMC2494519](#).