

2020	
1.	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: PMC7327496 .
2.	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> . [Epub ahead of print]
3.	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: PMC7205256.
4.	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: PMC7591147 .
5.	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: PMC7039742 .
6.	Hyndman KA. (2020) Histone Deacetylases in Kidney Physiology and Acute Kidney Injury. <i>Semin Nephrol.</i> 40(2):138–147. PMID: PMC7172006 .
7.	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: PMC7455138 .
8.	Koepsell H, Vallon V. (2020) A special issue on glucose transporters in health and disease. <i>Pflugers Arch.</i> 472(9):1107-1109. PMID: PMC7484381 .
9.	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: PMC6988403 .
10.	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: PMC7473900.
11.	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: PMC6987478 .
12.	Nespoux J, Vallon V. (2020) Renal effects of SGLT2 inhibitors: an update. <i>Curr Opin Nephrol Hypertens.</i> 29(2):190-198. PMID: PMC7224333.
13.	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 ⁺ -H ⁺ -exchanger NHE3 in the natriuretic effect of the SGLT2 inhibitor empagliflozin. <i>Am J Physiol Renal Physiol.</i> 319(4):F712-F728. PMID: PMC7642886 .
14.	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: PMC7082971 .
15.	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: PMC7243151.
16.	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: PMC6812033 .
17.	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> [Epub ahead of print]

18.	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: PMC7453901.
19.	Vallon V. (2020) Glucose transporters in the kidney in health and disease. <i>Pflugers Arch</i> . [Epub ahead of print]
20.	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: PMC7242158
21.	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: PMC6985785 .
22.	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: PMC7068533 .
23.	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: PMC7269352.
24.	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: PMC7054310 .
25.	

2019
26. 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: PMC6699083 .
27. 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.
28. 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.
29. 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.
30. Billings FT 4th. (2019) Acute Kidney Injury following Cardiac Surgery: A Clinical Model. <i>Nephron.</i> 143(3):202–206. PMID: PMC6821568 .
31. 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: PMC6713973 .
32. 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: PMC6789125 .
33. 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: PMC6588431 .
34. 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: PMC6436140 .
35. 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.
36. 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: PMC6734068 .
37. 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, Gaggari 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: PMC6368091 .
38. Gewin LS. (2019) Transforming Growth Factor- β in the Acute Kidney Injury to Chronic Kidney Disease Transition. <i>Nephron.</i> 143(3):154-157. PMID: PMC6821554 .
39. 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: PMC6816090 .
40. 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: PMC6944318
41. 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: PMC6580243 .
42. 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: PMC6517665 .
43. 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: PMC6813847 .
44. 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: PMC6821561 .

45.	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. PMCID: PMC6462225 .
46.	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. PMCID: PMC7034444.
47.	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, Hepcidin, and Death in Human AKI. <i>J Am Soc Nephrol.</i> 30(3):493-504. PMCID: PMC6405140 .
48.	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. PMCID: PMC6413788 .
49.	Lewis WR, Bales KL, Revell DZ, Croyle MJ, Engle SE, Song CJ, Malarkey EB, Uyttingco 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. PMCID: PMC6355093 .
50.	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. PMCID: PMC6821571 .
51.	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. PMCID: PMC6821574 .
52.	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. PMCID: PMC6417504 .
53.	Mannon RB. (2019) Acute Kidney Injury in Kidney Transplants: New Insights. <i>Nephron.</i> 143(3):193–196.
54.	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. PMCID: PMC6433864 .
55.	Moledina DG, Parikh CR. (2019) Differentiating Acute Interstitial Nephritis from Acute Tubular Injury: A Challenge for Clinicians. <i>Nephron.</i> 143(3):211–216. PMCID: PMC6821567 .
56.	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. PMCID: PMC6878740 .
57.	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. PMCID: PMC6708056 .
58.	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. PMCID: PMC6788625 .
59.	Nespoux J, Patel R, Hudkins KL, Huang W, Freeman B, Kim YC, Koepsell H, Alpers CE, Vallon V. (2019) Gene deletion of the Na ⁺ -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. PMCID: PMC6620597 .
60.	Novikov A, Fu Y, Huang W, Freeman B, Patel R, van Ginkel C, Koepsell H, Busslinger 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. PMCID: PMC6383194 .
61.	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 ⁺ /H ⁺ exchanger NHE3 in Akita diabetic mice. <i>Am J Physiol Renal Physiol.</i> 317(2):F419-F434. PMCID: PMC6732454 .
62.	Pagani F, Cantaluppi V. (2019) Renal Injury During Preclampsia: Role of Extracellular Vesicles. <i>Nephron.</i> 143(3):197–201.

63. 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: PMC6450790 .
64. 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: PMC6821556 .
65. 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: PMC6650320 .
66. 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: PMC6414641 .
67. Poudel N, Okusa MD. (2019) Pannexins in Acute Kidney Injury. <i>Nephron</i> . 143(3):158-161. PMID: PMC6821569 .
68. Ramos S, Carlos AR, Sundaram B, Jeney V, Ribeiro A, Gozzelino R, Bank C, Gjini E, Braza F, Martins R, Ademolue TW, Blankenhau 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: PMC6431151 .
69. Reily C, Stewart TJ, Renfrow MB, Novak J. (2019) Glycosylation in health and disease. <i>Nat Rev Nephrol</i> . 15(6):346-366. PMID: PMC6590709 .
70. 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 ^{C642*} 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: PMC6442377 .
71. 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 ⁺ -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: PMC6692722 .
72. Soni H, Peixoto-Neves D, Olushoga MA, Adebisi 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.
73. 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: PMC6692340 .
74. 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: PMC6715384 .
75. 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: PMC6613992 .
76. 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: PMC6597222 .
77. 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: PMC6716993 .
78. 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: PMC6493978 .
79. 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: PMC6779366 .
80. 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 γ 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: PMC6544433 .

2018
81. 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. PMCID: PMC6031916 .
82. 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. PMCID: PMC6035328 .
83. 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.
84. 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. PMCID: PMC6398162 .
85. Bernard K, Logsdon NJ, Benavides GA, Sanders Y, Zhang J, Darley-Usmar VM, Thannickal VJ. (2018) Glutaminolysis is required for transforming growth factor- β 1-induced myofibroblast differentiation and activation. <i>J Biol Chem</i> . 293(4):1218-1228. PMCID: PMC5787800 .
86. 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. PMCID: PMC6230746 .
87. 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. PMCID: PMC6032308 .
88. Endre ZH. (2018) Assessing Renal Recovery after Acute Kidney Injury: Can Biomarkers Help? <i>Nephron</i> . 2018;140(2):86-89.
89. 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. PMCID: PMC6429906 .
90. Fattah H, Vallon V. (2018) Tubular Recovery after Acute Kidney Injury. <i>Nephron</i> . 140(2):140-143. PMCID: PMC6432909 .
91. 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 α -actinin-4 promotes podocyte detachment through maladaptation to periodic stretch. <i>Proc Natl Acad Sci USA</i> . 115(7):1517-1522. PMCID: PMC5816190 .
92. Fiorentino M, Kellum JA. (2018) Improving Translation from Preclinical Studies to Clinical Trials in Acute Kidney Injury. <i>Nephron</i> . 140(2):81-85.
93. 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. PMCID: PMC6139528 .
94. 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. PMCID: PMC6205831 .
95. 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). PMCID: PMC5741527 .
96. 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. PMCID: PMC6165693 .
97. Jones TF, Bekele S, O'Dwyer MJ, Prowle JR. (2018) MicroRNAs in Acute Kidney Injury. <i>Nephron</i> . 140(2):124-128.
98. 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. PMCID: PMC5966763 .
99. 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.
100. 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. PMCID: PMC6031905 .

101. 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: PMC5969465 .
102. 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: PMC5839939 .
103. 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: PMC6191363 .
104. 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: PMC6124521 .
105. Macedo E, Cerdá J, Hingorani S, Hou J, Bagga A, Burdmann 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: PMC5929512 .
106. Mannon RB. (2018) Delayed Graft Function: The AKI of Kidney Transplantation. <i>Nephron</i> . 140(2):94-98. PMID: PMC6165700 .
107. 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: PMC6734084 .
108. 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: PMC6197686 .
109. 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: PMC6462411 .
110. Nespoux J, Vallon V. (2018) SGLT2 inhibition and kidney protection. <i>Clin Sci (Lond)</i> . 132(12):1329-1339. PMID: PMC6648703 .
111. 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: PMC6165676 .
112. Palevsky PM. (2018) Endpoints for Clinical Trials of Acute Kidney Injury. <i>Nephron</i> . 140(2):111-115.
113. 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: PMC5982720
114. 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: PMC5975227 .
115. 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: PMC5825234 .
116. 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: PMC5803327 .
117. Rabb H, Pluznick J, Noel S. (2018) The Microbiome and Acute Kidney Injury. <i>Nephron</i> . 140(2):120-123. PMID: PMC6292672 .
118. 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: PMC6006680 .
119. Rieg T, Vallon V. (2018) Development of SGLT1 and SGLT2 inhibitors. <i>Diabetologia</i> 61(10):2079-2086. PMID: PMC6124499 .
120. Romagnoli S, Ricci Z, Ronco C. (2018) Perioperative Acute Kidney Injury: Prevention, Early Recognition, and Supportive Measures. <i>Nephron</i> . 140(2):105-110.
121. 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: PMC6028516 .

122. 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: PMC5828970 .
123. 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: PMC6032074 .
124. Swaminathan S. (2018) Iron Homeostasis Pathways as Therapeutic Targets in Acute Kidney Injury. <i>Nephron</i> . 140(2):156-159. PMID: PMC6165684 .
125. Tanaka S, Okusa MD. (2018) Optogenetics in Understanding Mechanisms of Acute Kidney Injury. <i>Nephron</i> . 140(2):152-155. PMID: PMC6165674 .
126. 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: PMC6426321 .
127. 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: PMC6214607 .
128. von Mässenhausen A, Tonnus W, Linkermann A. (2018) Cell Death Pathways Drive Necroinflammation during Acute Kidney Injury. <i>Nephron</i> . 140(2):144-147.
129. 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: PMC6165685 .
130. 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: PMC6165680 .
131. 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: PMC6070028 .
132.