

CURRICULUM VITAE

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Education:

Undergraduate:

1962-1966 Harvard-Radcliffe College. A.B. cum laude, Biology, June 1966

Medical:

1966-1970 Harvard Medical School. M.D., June 1970

Postgraduate:

1970-1973 Internal Medicine Residency, Mount Sinai School of Medicine, NYC
1973-1974 Chief Resident, Department of Internal Medicine, Mount Sinai School of Medicine
1973-1975 Fellow in Clinical Nephrology, Mount Sinai School of Medicine
1976-1979 Research Fellow, Department of Physiology, Mentors: Fred Wright, Gerhard Giebisch, Yale School of Medicine, New Haven, CT
1998 Harvard Kennedy School – Course for Senior Executives in Government
2003 University of Maryland, NIH Senior Leadership Training Course

Positions Held:

2008-Present Director, National Center for Complementary and Integrative Health, NIH (Formerly, National Center for Complementary and Alternative Medicine)
2012-2013 Acting Director, Division of Clinical Innovation, National Center for Advancing Translational Sciences, NIH
2006-2008 Senior Scientific Officer, Howard Hughes Medical Institute, Chevy Chase, MD
1997-2006 Director, Division of Kidney, Urologic, and Hematologic Diseases, NIDDK, NIH
1993-1997 Professor, Division of Nephrology, Department of Internal Medicine, Professor, Department of Physiology, University of Michigan, Ann Arbor, MI
1994-1997 Associate Chair for Research and Faculty Affairs, Department of Internal Medicine, University of Michigan
1993-1994 Associate Chair for Research, Department of Internal Medicine, University of Michigan
1988-1993 Associate Professor, Division of Nephrology, Department of Internal Medicine
Associate Professor, Department of Physiology, University of Michigan
1985-1988 Assistant Professor, Division of Nephrology, Department of Internal Medicine, University of Michigan
1983-1984 Visiting Assistant Professor, Department of Internal Medicine, University of Texas Health Science Center, Dallas, TX
1979-1985 Research Scientist, Physiology Institute, University of Munich, Munich, Germany
1975-1976 Assistant Dean of Students for the Clinical Years, Mount Sinai School of Medicine

Medical Certification and Licensure:

1971 License New York State (Number 109707)
1973 Certification, American Board of Internal Medicine, Board Eligible, Nephrology
1985 License Michigan (Number 049241)

Awards and Honors:

1979-1981	Alexander von Humboldt Scientific Exchange Award
1983-1988	Established Investigator, American Heart Association
1988	Volhard Prize of the German Nephrological Society
1988	Elected to American Society of Clinical Investigation
1991	Elected Fellow, Council for High Blood Pressure Research
1998	Elected to Association of American Physicians
2000	NIH Director's Award, for leadership of the Trans-NIH Zebrafish Committee
2002	Elected Fellow, American Association for the Advancement of Science
2006	NIH Director's Award, for leadership in developing the Trans-NIH Type I Diabetes Strategic Plan
2009	NIH Plain Language Clear Communication Award for NCCAM Director's Messages
2013	NIH Director's Award, for leadership and launching of the NIH Common Fund Health Care Systems Research Collaboratory
2014	NIH Director's Award, chaired Leadership Team on Careers of NIH Staff Clinicians
2014	NIH Director's Award, served on Office of Human Subjects Research Protections Team
2014	John P. Peters Award for substantial research contributions to the discipline of nephrology, American Society of Nephrology

Professional Societies Memberships and Principal Activities:

1978-Present	American Society of Nephrology 1994-1997 ASN Councilor and Secretary Treasurer
1982-Present	International Society of Nephrology 2001-2003 ISN Councilor 2006-2008 Chair Nominating Committee
1986-Present	American Heart Association Council on the Kidney in Cardiovascular Disease Fellow of the Council on High Blood Pressure
1986-Present	Women in Nephrology 1993-1994 WIN President
1988-Present	American Society of Clinical Investigation 1989-1992 ASCI Councilor
1993-Present	American Physiological Society, Member
1993-Present	Accreditation Council for Graduate Medical Education
1996-Present	American Association for the Advancement of Science (AAAS) 1996-2000 Medicine Section Steering Group, Member-at-large 2001 Elected Fellow AAAS
1998	Association of American Physicians, Elected Member

Editorial Boards:

1993-Present	Seminars in Nephrology
1993-2008	International Yearbook of Nephrology Dialysis Transplantation
1994-1997	Deputy Editor, Journal of Clinical Investigation
1995-Present	Kidney International
1995-Present	Hypertension
1996-Present	American Journal of Kidney Diseases
1995-1998 & 2002-2008	American Journal of Physiology: Renal, Fluid and Electrolyte Physiology
2000-2008	American Journal of Physiology, Regulatory
2014-Present	Science Translational Medicine

Clinical Activities – University of Michigan:

1984-1997	General Medicine attending – one or two months per year
1984-1997	Nephrology Consult attending
1992-1997	Director – Diabetic Nephropathy Clinic

NIH Study Sections:

1992-1994	DRG General Medicine B, Regular Member
1994-1996	DRG General Medicine B, Chair

National Institutes of Health – Representative Trans-NIH Activities:

1997-2006	Chair, Interagency Coordinating Committee, Kidney Disease
1997-2000	Chair, Interagency Coordinating Committee, Urologic Disease
1998	Strategic Planning Coordination – National Kidney Disease Education Program Planning Meeting
2000-2004	Co-Chair, Trans NIH Zebrafish Coordinating Committee
2000- 2004	Non-Mammalian Models Committee, Chair, Sharing and Intellectual Property Policy Subcommittee
2004	Co-Chair, Translational Core Resources Roadmap Committee
2004-2006	NIH-RAID Roadmap Pilot Program – Committee Chair
2009-Present	Member, Scientific Management and Review Board
2009-2013	Member, NIH Clinical Center, Advisory Board for Clinical Research
2010-Present	Co-chair, NIH Health Care Systems Research Collaboratory
2010-Present	Member, NIH Pain Consortium Executive Committee
2010-Present	Member, NIH Steering Committee
2011-Present	Charter Member, NIH Clinical Center Governing Board

Consultantships:

1995	Life Sciences Panel, MERRA, Reviewer
1996	Parke-Davis, Consultant on renal toxicity in drug trials
1996	Searle, Consultant on phase II COX-2 inhibitor trials
1996	Biogen, Consultant on renal effects of drugs

BIBLIOGRAPHY**Peer-Reviewed Publications:**

1. Wright FS, Briggs JP. Feedback regulation of glomerular filtration. *Am J Physiol* 1977;233:F1-F7.
2. Briggs JP, Levitt M, Abramson R. Renal excretion of allantoin in the rat: a clearance and micropuncture study. *Am J Physiol* 1977;233:F373-F381.
3. Briggs JP, Wright FS. Feedback control of glomerular filtration rate: site of the effector mechanism. *Am J Physiol* 1979;236:F40-F47.
4. Wright FS, Briggs JP. Feedback control of glomerular blood flow, pressure, and filtration rate. *Physiol Rev* 1979;59:958-1006.
5. Briggs JP, Schnermann J, Wright FS. Failure of tubule fluid osmolarity to affect feedback regulation of glomerular filtration. *Am J Physiol* 1980;239:F427-F432.
6. Briggs JP. The macula densa sensor for tubuloglomerular feedback. *Fed Proc* 1981;40:99-103.
7. Schnermann J, Briggs JP. Participation of renal cortical prostaglandins in the regulation of glomerular filtration rate. *Kidney Int* 1981;9:802-815.
8. Schnermann J, Briggs JP, Wright FS. Feedback-mediated reduction of glomerular filtration rate during infusion of hypertonic saline. *Kidney Int* 1981;20:462-468.
9. Briggs JP, Schubert G, Schnermann J. Further evidence for an inverse relationship between macula densa NaCl concentration and filtration rate. *Pfluegers Arch* 1982;391:372-378.

10. Schnermann J, Briggs JP, Schubert G. In situ studies of the distal convoluted tubule in the rat: evidence for NaCl secretion. *Am J Physiol* 1982;243:F160-F166.
11. Briggs JP, Steipe B, Schubert G, Schnermann J. Micropuncture studies of the renal effects of atrial natriuretic substance. *Pfluegers Arch* 1982;395:271-276.
12. Briggs JP. A simple steady-state model for feedback control of glomerular filtration rate. *Kidney Int* 1982;12:143-150.
13. Schnermann J, Briggs JP. Concentration-dependent NaCl transport as signal in feedback control of glomerular filtration rate. *Kidney Int* 1982;12:82-89.
14. Schnermann J, Briggs JP, Weber PC. Tubuloglomerular feedback, prostaglandins and angiotensin in the autoregulation of glomerular filtration rate. *Kidney Int* 1984;25:53-64.
15. Briggs JP. Effect of loop of Henle flow rate on glomerular capillary pressure. *Renal Physiol* 1984;7:311-320.
16. Briggs JP, Marin-Grez M, Steipe B, Schubert G, Schnermann J. Inactivation of atrial natriuretic substance by kallikrein. *Am J Physiol* 1984;247:F480-F484.
17. Briggs JP, Schubert G, Schnermann J. Quantitative characterization of the tubuloglomerular feedback response: effects of growth. *Am J Physiol* 1984;247:808-817.
18. Schnermann J, Briggs JP, Schubert G, Marin-Grez M. Opposing effects of captopril and aprotinin on tubuloglomerular feedback responses. *Am J Physiol* 1984;247:912-918.
19. Marin-Grez M, Briggs JP, Schubert G, Schnermann J. Dopamine receptor antagonists inhibit the natriuretic response to atrial natriuretic peptides. *Life Sci* 1985;36:2171-2176.
20. Schnermann J, Schubert G, Briggs JP. Comparison of tubuloglomerular feedback responses produced by native and artificial tubular fluid. *Am J Physiol* 1986;250:F16-F21.
21. Schnermann J, Gokel M, Weber PC, Schubert G, Briggs JP. Maintained tubuloglomerular feedback and glomerular integrity in the non-clipped kidney of Goldblatt hypertensive rats on a low protein diet. *Kidney Int* 1986;29:520-529.
22. Schnermann J, Briggs JP. Role of the renin-angiotensin system in tubuloglomerular feedback. *Fed Proc* 1986;45:1426-1430.
23. Briggs JP, Schnermann J. Macula densa control of renin secretion and glomerular vascular tone: evidence for common cellular mechanisms. *Renal Physiol* 1986;9:193-203.
24. Schnermann J, Marin-Grez M, Briggs JP. Filtration pressure response to infusion of atrial natriuretic peptide. *Pfluegers Arch* 1986;406:237-239.
25. Briggs JP, Schnermann J. The tubuloglomerular feedback mechanism: functional and biochemical aspects. *Ann Rev Physiol* 1986;49:251-273.
26. Davis CL, Briggs JP. Effect of reduction in renal artery pressure on atrial natriuretic peptide-induced natriuresis. *Am J Physiol* 1987;252:F146-F153.
27. Schnermann J, Steipe B, Briggs JP. In situ studies of the distal convoluted tubule in rat. II. K secretion. *Am J Physiol* 1987;252:F970-F976.
28. Skott O, Briggs JP. Direct demonstration of macula densa mediated renin secretion. *Science* 1987;237:1618-1620.
29. Davis CL, Briggs JP. Effect of atrial natriuretic peptides on medullary solute gradients. *Am J Physiol* 1987;253:F679-F684.
30. Skott O, Briggs JP. A method for superfusion of the isolated perfused tubule. *Kidney Int* 1988;33:1009-1012.
31. Sterzel RB, Luft FC, Gao Y, Schnermann J, Briggs JP, Ganten D, Waldherr R, Schnabel E, Kriz W. Renal disease and the development of hypertension in salt-sensitive Dahl rats. *Kidney Int* 1988;33:1119-1129.
32. Soejima H, Grekin RJ, Briggs JP, Schnermann J. Renal response of anesthetized rats to low dose infusion of atrial natriuretic peptide. *Am J Physiol* 1988;255:R449-R455.
33. Schnermann J, Briggs JP. Interaction between loop of Henle flow and arterial pressure as determinants of glomerular pressure. *Am J Physiol* 1989;256:F421-F429.
34. Schnermann J, Briggs JP. Single nephron comparison of effect of loop of Henle flow on filtration rate and pressure in control and angiotensin II infused rats. *Mineral Elect Metab* 1989;15:103-107.
35. Schnermann J, Todd KM, Briggs JP. Effect of dopamine on the tubuloglomerular feedback mechanism. *Am J Physiol* 1990;258:F790-F798.

36. Schnermann J, Weihprecht H, Briggs JP. Inhibition of tubuloglomerular feedback during adenosine₁ receptor blockade. *Am J Physiol* 1990;258:F553-F561.
37. Briggs JP, Skott O, Schnermann J. Cellular mechanisms within the juxtaglomerular apparatus. *J Hypertension* 1990;3:76-80.
38. Weihprecht H, Lorenz JN, Schnermann J, Skott O, Briggs JP. Effect of adenosine₁ receptor blockade on renin release from rabbit isolated perfused juxtaglomerular apparatus. *J Clin Invest* 1990;85:1622-1628.
39. Lorenz JN, Weihprecht H, Schnermann J, Skott O, Briggs JP. Characterization of the macula densa stimulus for renin secretion. *Am J Physiol* 1990;259:F186-F193.
40. Schnermann J, Briggs JP. Effect of angiotensin and other pressor agents on tubuloglomerular feedback responses. *Kidney Int* 1990;38(Suppl 30):S77-S80.
41. Schnermann J, Briggs JP. Restoration of tubuloglomerular feedback in volume expanded rats by angiotensin II. *Am J Physiol* 1990;259:F565-572.
42. Skott O, Briggs JP, Lorenz JN, Weihprecht H. On the intrarenal regulation of renin release from the juxtaglomerular apparatus. *Kidney Int* 1991;38:S38-42.
43. Briggs JP, Lorenz JN, Weihprecht H, Schnermann J. Macula densa control of renin secretion. *Renal Physiol Biochem* 1991;14:164-174.
44. Lorenz JN, Weihprecht H, Schnermann J, Skott O, Briggs JP. Renin release from isolated juxtaglomerular apparatus depends on macula densa chloride transport. *Am J Physiol* 1991;260:F486-F493.
45. Sawaya BP, Weihprecht H, Campbell WR, Lorenz JN, Webb RC, Briggs JP, Schnermann J. Direct vasoconstriction as a possible cause for amphotericin B induced nephrotoxicity in rats. *J Clin Invest* 1991;87:2097-2107.
46. Trivedi BK, Briggs JP, Killen PD. Application of polymerase chain reaction techniques to study of rabbit renin gene expression. *Kidney Int* 1991;39:S23-S27.
47. Schnermann J, Weihprecht H, Lorenz JN, Briggs JP. The afferent arteriole – the target for macula densa-generated signals. *Kidney Int* 1991;39:S74-S77.
48. Weihprecht H, Lorenz JN, Briggs JP, Schnermann J. Vasoconstrictor effect of angiotensin II and vasopressin on isolated rabbit afferent arterioles. *Am J Physiol* 1991;261:F273-F282.
49. Lorenz JN, Briggs JP, Schnermann J, Brosius FC, Furspan PB. Intracellular ATP can regulate afferent arteriolar tone via ATP-sensitive K⁺ channels in the rabbit. *J Clin Invest* 1992;90:733-740.
50. Brosius FC, Briggs JP, Marcus RG, Barac-Nieto M, Charron MJ. Expression of the insulin-responsive glucose transporter (GLUT4) in renal microvessels and glomeruli. *Kidney Int* 1992;42:1086-1092.
51. Schnermann J, Lorenz JN, Briggs JP, Keiser JA. Induction of water diuresis by endothelin in rats. *Am J Physiol* 1992;263:F516-F526.
52. Weihprecht H, Lorenz JN, Briggs JP, Schnermann J. Vasomotor effects of purinergic agonists in isolated rabbit afferent arterioles. *Am J Physiol* 1992;263:F1026-F1033.
53. Chen M, Schnermann J, Malvin RL, Killen PD, Briggs JP. Time course of stimulation of renal renin messenger RNA by furosemide. *Hypertension* 1993;21:36-41.
54. Todd-Turla K, Killen PD, Schnermann J, Briggs JP. Distribution of glucocorticoid and mineralocorticoid receptor mRNA along the renal nephron. *Am J Physiol* 1993;264:F781-F791.
55. Lorenz J, Weihprecht H, He X, Skott O, Briggs JP, Schnermann J. Effects of adenosine and angiotensin on macula densa-stimulated renin secretion. *Am J Physiol* 1993;265 (Renal Fluid Electrolyte Physiol 34):F187-F194.
56. Greenberg S, Lorenz J, He X, Schnermann J, Briggs JP. Effects of prostaglandin synthesis inhibition on macula densa-stimulated renin secretion. *Am J Physiol* 1993;265 (Renal Fluid Electrolyte Physiol 34):F578-F583.
57. Chen M, Todd-Turla K, Wang W-H, Cao X, Smart A, Brosius FC, Killen PD, Keiser JA, Briggs JP, Schnermann J. Endothelin-1 mRNA in glomerular and epithelial cells of kidney. *Am J Physiol* 1993;265 (Renal Fluid Electrolyte Physiol 34):F542-F550.
58. Chen M, Briggs JP. Cyclic AMP selectively increases renin mRNA stability in cultured juxtaglomerular granular (JGC) cells. *J Biol Chem* 1993;268:24138-24144.

59. Weihprecht H, Lorenz JN, Briggs JP, Schnermann J. Synergistic effects of angiotensin and adenosine in the renal microvasculature. *Am J Physiol* 1994;266 (Renal Fluid Electrolyte Physiol 35):F227-F239.
60. Chen M, Harris MP, Rose D, Smart A, He X-R, Kretzler M, Briggs JP, Schnermann J. Renin and renin mRNA in proximal tubules of the rat kidney. *J Clin Invest* 1994;94:237-243.
61. Marcus R, England R, Nguyen K, Charron M, Briggs J, Brosius F. Altered renal expression of the insulin-responsive glucose transporter glut4 in experimental diabetes mellitus. *Am J Physiol* 1994;267:F816-F824.
62. Greenberg SG, He X-R, Schnermann J, Briggs JP. Effect of nitric oxide on renin secretion: studies in isolated juxtaglomerular granular cells. *Am J Physiol* 1995;268:F948-F952.
63. He X-R, Greenberg SG, Briggs JP, Schnermann J. Effect of nitric oxide on renin secretion: studies in the perfused juxtaglomerular apparatus. *Am J Physiol* 1995;268:F953-F959.
64. He X-R, Greenberg SG, Briggs JP, Schnermann J. Effect of furosemide and verapamil on sodium chloride dependency of macula densa mediated renin secretion. *Hypertension* 1995;26:137-142.
65. Sawaya P, Briggs JP, Schnermann J. Amphotericin B nephrotoxicity: the adverse consequences of altered membrane properties. *J Am Soc Nephrol* 1995;6:154-164.
66. Fischer E, Schnermann J, Briggs JP, Kirz W, Ronco P, Bachman S. Ontogeny of NO synthase and renin in the juxtaglomerular apparatus of rat kidney. *Am J Physiol* 1995;268:F1164-F1176.
67. Brosius FC, Nguyen K, Stuart-Tilley AK, Haller C, Briggs JP, Alper SL. Regional and segmental localization of AE2 anion exchanger mRNA and protein in rat kidney. *Am J Physiol* 1995;269:F461-F468.
68. Singh I, Grams M, Wang W-H, Yang T, Killen P, Smart A, Schnermann J, Briggs J. Coordinate regulation of renal expression of nitric oxide synthase, renin, and angiotensinogen mRNA by dietary salt. *Am J Physiol* 1996;270:F1027-F1037.
69. Yang T, Hassan SA, Singh I, Smart A, Brosius FC, Holzman LB, Schnermann JB, Briggs JP. SA gene expression in the proximal tubule of normotensive and hypertensive rats. *Hypertension* 1996;27:541-545.
70. Kretzler M, Fan G, Rose D, Arend L, Briggs JP, Holzman LB. Novel mouse embryonic renal marker gene products differentially expressed during kidney development. *Am J Physiol* 1996;271:F770-F777.
71. Bloembergen WE, Port FK, Mauger EA, et al. Gender discrepancies in living related renal transplant donors and recipients. *J Am Soc Nephrol* 1996;7:1139-1144.
72. Yang T, Huang YG, Singh I, Schnermann J, Briggs JP. Localization of bumetanide- and thiazide-sensitive Na-(K)-Cl cotransporters along the rat nephron. *Am J Physiol* 1996;271:F931-F939.
73. Todd-Turla K, Zhu X-L, Shu X, Chen M, Yu T, Smart A, Killen PD, Fejes-Toth G, Briggs JP, Schnermann J. Synthesis and secretion of endothelin in a cortical collecting duct cell line. *Am J Physiol* 1996;271:F330-F339.
74. Schnermann J, Zhu X-L, Shu X, Yang T, Huang YG, Kretzler M, Briggs JP. Regulation of endothelin production and secretion in cultured collecting duct cells by endogenous transforming growth factor- β . *Endocrinology* 1996;137(11):5000-5008.
75. Yang T, Huang YG, Singh I, Schnermann J, Briggs JP. Localization of bumetanide- and thiazide-sensitive Na-(K)-Cl cotransporters along the rat nephron. *Am J Physiol* 1996;271:F931-F939.
76. Valentini RP, Brookhiser WT, Park J, Yang T, Briggs JP, Dressler G, Holzman LB. Post-translational processing and renal expression of mouse Indian hedgehog. *J Biol Chem* 1997;272:1-8.
77. Park JM, Yang T, Arend LJ, Smart AM, Schnermann JB, Briggs JP. Cyclooxygenase-2 is expressed in bladder during fetal development and stimulated by outlet obstruction. *Am J Physiol* 1997;283:F538-F544.
78. Yang T, Hassan S, Huang Y-G, Smart A, Briggs JP, Schnermann JB. Expression of PTHrP, PTH/PTHrP receptor and Ca²⁺ sensing receptor along the rat nephron. *Am J Physiol* 1997;273:F315-F320.
79. Traynor T, Yang T, Huang YG, Arend L, Oliverio MI, Coffman T, Briggs JP, Schnermann J. Inhibition of adenosine-1 receptor-mediated preglomerular vasoconstriction in AT1A receptor-deficient mice. *Am J Physiol* 1998;275:F922-F927.
80. Leavey SF, Arend LJ, Dare H, Dressler GR, Briggs JP, Margolis BL. Expression of Grb7 growth factor receptor signaling protein in kidney development and in adult kidney. *Am J Physiol* 1998;275:F770-F776.
81. Yang T, Singh I, Pham H, Sun D, Smart A, Schnermann JB, Briggs JP. Regulation of cyclooxygenase expression in the kidney by dietary salt intake. *Am J Physiol* 1998;274:F481-F489.

82. Arend LJ, Smart A, Briggs JP. Metanephric rat-mouse chimeras to study cell lineage of the nephron. *Dev Genet* 1999;24:230-240.
83. Park JM, Yang T, Arend LJ, Schnermann JB, Peters CA, Freeman MR, Briggs JP. Obstruction stimulates COX-2 expression in bladder smooth muscle cells via increased mechanical stretch. *Am J Physiol* 1999;276:F129-F136.
84. Traynor T, Yang T, Huang YG, Krege JH, Briggs JP, Smithies O, Schnermann J. Tubuloglomerular feedback in ACE-deficient mice. *Am J Physiol* 1999;276:F751-F757.
85. Yang T, Schnermann JB, Briggs JP. Regulation of cyclooxygenase-2 expression in renal medulla by tonicity in vivo and in vitro. *Am J Physiol* 1999;277:F1-F9.
86. Yang T, Sun D, Huang YG, Smart A, Briggs JP, Schnermann J. Differential regulation of COX-2 expression in the kidney by lipopolysaccharide: role of CD14. *Am J Physiol* 1999;277:F10-F16.
87. Traynor TR, Smart A, Briggs JB, Schnermann J. Inhibition of macula densa-stimulated renin secretion by pharmacological blockade of cyclooxygenase-2. *Am J Physiol* 1999;277:F706-F710.
88. Yang T, Michele DE, Park J, Smart AM, Lin Z, Brosius FC, Schnermann JB, Briggs JP. Expression and function of peroxisomal proliferator activated receptors and retinoid x receptors in the kidney. *Am J Physiol* 1999;277:F966-F973.
89. Schnermann J, Briggs JP. The macula densa is worth its salt. A commentary. *J Clin Invest* 1999;104:1007-1009.
90. Park JM, Schnermann JB, Briggs JP. Cyclooxygenase-2. A key regulator of bladder prostaglandin formation. *Adv Exp Biol Med* 1999;462:171-181.
91. Schnermann J, Traynor T, Pohl H, Thomas DW, Coffman TM, Briggs JP. Vasoconstrictor responses in thromboxane receptor knockout mice: tubuloglomerular feedback and ureteral obstruction. *Acta Physiol Scand* 2000;168:201-207.
92. Yang T, Huang Y, Heasley LE, Berl T, Schnermann JB, Briggs JP. MAPK mediation of hypertonicity-stimulated cyclooxygenase-2 expression in renal medullary collecting duct cells. *J Biol Chem* 2000;275:23281-23286.
93. Arend LJ, Smart AM, Briggs JP. Mouse β_6 integrin sequence, pattern of expression, and role in kidney development. *J Am Soc Nephrol* 2000;11(12):2297-2305.
94. Yang T, Park JM, Arend L, Huang Y, Topaloglu R, Pasumarthy A, Praetorius H, Spring K, Briggs JP, Schnermann J. Low chloride stimulation of prostaglandin E2 release and cyclo-oxygenase-2 expression in a mouse macula densa cell line. *J Biol Chem* 2000;275(48):37922-37929.
95. Yang T, Endo Y, Huang Y, Smart A, Briggs JP, Schnermann J. Renin expression in Cox-2 knockout mice on normal or low salt diets. *Am J Renal Physiol* 2000;279:F819-F825.
96. Agodoa LY and the AASK Investigators. Effect of ramipril versus amlodopine on renal outcomes in hypertensive nephrosclerosis: a randomized controlled trial. *JAMA* 2001;285:2719-2728.
97. Vallon V, Traynor T, Barajas L, Huang YG, Briggs JP, Schnermann J. Feedback control of glomerular vascular tone in neuronal nitric oxide synthase knockout mice. *J Am Soc Nephrol* 2001;12:1599-1606.
98. Sun D, Samuelson LC, Yang T, Huang Y, Paliege A, Saunders T, Briggs JP, Schnermann J. Mediation of tubuloglomerular feedback by adenosine: evidence from mice lacking adenosine 1 receptors. *Proc Nat Acad Sci USA* 2001;98:9983-9988.
99. Briggs JP. The zebrafish: a new model for regulatory physiology. *Am J Physiol Regulatory Integrative Comp Physiol* 2002;282:R3-9.
100. Theilig F, Campean V, Paliege A, Breyer M, Briggs JP, Schnermann J, Bachman S. Epithelial COX-2 expression is not regulated by nitric oxide in rodent renal cortex. *Hypertension* 2002;39:848-853.
101. Yang T, Forrest SJ, Stine N, Endo Y, Pasumarthy A, Castrop H, Aller S, Forrest JN Jr, Schnermann J, Briggs J. Cyclooxygenase cloning in dogfish shark, *Squalus acanthias*, and its role in rectal gland C1 secretion. *Am J Physiol Regul Integr Comp Physiol* 2002;283(3):R631-R637.
102. Hansen PB, Castrop H, Briggs J, Schnermann J. Adenosine induces vasoconstriction through Gi-dependent activation of phospholipase C in isolated perfused afferent arterioles of mice. *J Am Soc Nephrol* 2003;14(10):2457-2465.

103. Hansen PB, Hashimoto S, Briggs J, Schnermann J. Attenuated renovascular constrictor responses to angiotensin ii in adenosine 1 receptor knockout mice. *Am J Physiol Regul Integr Comp Physiol* 2003;285(1):R44-R49.
104. Rasooly RS, Henken D, Freeman N, Tompkins L, Badman D, Briggs J, Hewitt AT; National Institutes of Health Trans-NIH Zebrafish Coordinating Committee. Genetic and genomic tools for zebrafish research: the NIH Zebrafish Initiative. *Dev Dyn* 2003;228(3):490-496.
105. Castrop H, Schweda F, Mizel D, Huang Y, Briggs J, Kurtz A, Schnermann J. Permissive role of nitric oxide in macula densa control of renin secretion. *Am J Physiol Renal Physiol* 2004;286:F848-F857.
106. Paliege A, Mizel D, Medina C, Pasumarthy A, Huang YG, Bachmann S, Briggs JP, Schnermann JB, Yang T. Inhibition of nNOS expression in the macula densa by COX-2 derived prostaglandin E2. *Am J Physiol Renal Physiol* 2004;287:F152-F159.
107. Briggs JP. Evidence-based medicine in the dialysis unit: a few lessons from the USRDS and the NCDS and HEMO trials. *Semin Dial* 2004 Apr;17(2):136-141.
108. Francis ME, Eggers PW, Hostetter TH, Briggs JP. Association between serum homocysteine and markers of impaired kidney function in adults in the United States. *Kidney Int* 2004 Jul;66(1):303-312.
109. Hansen PB, Yang T, Huang Y, Mizel D, Briggs J, Schnermann J. Plasma renin in mice with one or two renin genes. *Acta Physiol Scand* 2004 Aug;181(4):431-437.
110. Hashimoto S, Huang Y, Mizel D, Briggs J, Schnermann J. Compensation of proximal tubule malabsorption in AQP1-deficient mice without TGF-mediated reduction of CFR. *Acta Physiol Scand* 2004 Aug;181(4):455-462.
111. Castrop H, Huang Y, Hashimoto S, Mizel D, Hansen P, Theilig F, Bachmann S, Deng C, Briggs J, Schnermann J. Impairment of tubuloglomerular feedback regulation of GFR in ecto-5'-nucleotidase/CD73-deficient mice. *J Clin Invest* 2004 Sep;114(5):634-642.
112. Coresh J, Byrd-Holt D, Astor BC, Briggs JP, Eggers PW, Lacher DA, Hostetter TH. Chronic kidney disease awareness, prevalence, and trends among U.S. adults, 1999 to 2000. *J Am Soc Nephrol* 2005 Jan;16(1):180-188.
113. Yang T, Huang YG, Ye W, Hansen P, Schnermann JB, Briggs JP. Influence of genetic background and gender on hypertension and renal failure in COX-2-deficient mice. *Am J Physiol Renal Physiol* 2005 Jun;288(6):F1125-F1132.
114. Yang T, Zhang A, Honeggar M, Kohan DE, Mizel D, Sanders K, Hoidal JR, Briggs JP, Schnermann JB. Hypertonic induction of COX-2 in collecting duct cells by reactive oxygen species of mitochondrial origin. *J Biol Chem* 2005 Oct;280(41):34966-34973.
115. Castrop H, Lorenz JN, Hasen PB, Frilis U, Mizel D, Oppermann M, Jensen BL, Briggs J, Skott O, Schnermann J. Contribution of the basolateral isoform of the Na-K-2Cl-cotransporter (NKCC1/BSC2) to renin secretion. *Am J Physiol Renal Physiol* 2005 Dec;289(6):F1186-F1192.
116. Hansen PB, Hashimoto S, Oppermann M, Huang Y, Briggs JP, Schnermann J. Vasoconstrictor and vasodilator effects of adenosine in the mouse kidney due to preferential activation of A1 or A2 adenosine receptors. *J Pharmacol Exp Ther* 2005 Dec;315(3):1150-1157.
117. Hashimoto S, Huang Y, Briggs J, Schnermann J. Reduced autoregulatory effectiveness in adenosine 1 receptor-deficient mice. *Am J Physiol Renal Physiol* 2006 Apr;290(4):F888-F891.
118. Kim SM, Mizel D, Huang YG, Briggs JP, Schnermann J. Adenosine as a mediator of macula densa-dependent inhibition of renin secretion. *Am J Physiol Renal Physiol* 2006 May;290(5):F1016-F1023.
119. Oppermann M, Mizel D, Huang G, Li C, Deng C, Theilig F, Bachmann S, Briggs J, Schnermann J, Castrop H. Macula densa control of renin secretion and preglomerular resistance in mice with selective deletion of the B isoform of the Na,K,2Cl co-transporter. *J Am Soc Nephrol* 2006 Aug;17(8):2143-2152. (Subject of editorial focus).
120. Castrop H, Oppermann M, Weiss Y, Huang Y, Mizel D, Lu H, Germain S, Schweda F, Theilig F, Bachmann S, Briggs J, Kurtz A, Schnermann J. Reporter gene recombination in juxtaglomerular granular and collecting duct cells by human renin promoter-Cre recombinase transgene. *Physiol Genomics* 2006 Apr 13;25(2):277-285.

121. Oppermann M, Mizel D, Kim SM, Chen L, Faulhaber-Walter R, Huang Y, Li C, Deng C, Briggs J, Schnermann J, Castrop H. Renal function in mice with targeted disruption of the A isoform of the Na-K-2Cl co-transporter. *J Am Soc Nephrol* 2007 Feb;18(2):440-448.
122. Kim SM, Chen L, Mizel D, Huang YG, Briggs JP, Schnermann J. Low plasma renin and reduced renin secretory responses to acute stimuli in conscious COX-2-deficient mice. *Am J Physiol Renal Physiol* 2007 Jan;292(1):F415-F422.
123. Chen L, Kim SM, Oppermann M, Faulhaber-Walter R, Huang Y, Mizel D, Chen M, Lopez ML, Weinstein LS, Gomez RA, Briggs JP, Schnermann J. Regulation of renin in mice with Cre recombinase-mediated deletion of G protein G α in juxtaglomerular cells. *Am J Physiol Renal Physiol* 2007 Jan;292(1):F27-F37. (Subject of an editorial).
124. Briggs J. Commentary: intensive BP control in the non-hypertensive diabetic. *Nature Clinical Practice Nephrology* 2007 Jun;3:304-305.
125. Kim SM, Chen L, Faulhaber-Walter R, Oppermann M, Huang Y, Mizel D, Briggs JP, Schnermann J. Regulation of renin secretion and expression in mice deficient in β 1- and β 2-adrenergic receptors. *Hypertension* 2007 Jul;50(1):103-109.
126. Hansen PB, Friis UG, Uhrenholt TR, Briggs J, Schnermann J. Intracellular signalling pathways in the vasoconstrictor response of mouse afferent arterioles to adenosine. *Acta Physiol (Oxf)* 2007 Oct;191(2):89-97.
127. Kim SM, Eisner C, Faulhaber-Walter R, Mizel D, Wall SM, Briggs JP, Schnermann J. Salt sensitivity of blood pressure in NKCC1-deficient mice. *Am J Physiol Renal Physiol* 2008 Oct;295(4):F1230-F1238.
128. Schnermann J, Briggs JP. Tubuloglomerular feedback: mechanistic insights from gene-manipulated mice. *Kidney Int* 2008 Aug;74(4):418-426.
129. Kim SM, Huang Y, Qin Y, Mizel D, Schnermann J, Briggs JP. Persistence of circadian variation in arterial blood pressure in β 1/ β 2-adrenergic receptor-deficient mice. *Am J Physiol Regul Integr Comp Physiol* 2008 May;294(5):R1427-R1434.
130. Faulhaber-Walter R, Chen L, Oppermann M, Kim SM, Huang Y, Hiramatsu N, Mizel D, Kajiyama H, Zerfas P, Briggs JP, Kopp JB, Schnermann J. Lack of A1 adenosine receptors augments diabetic hyperfiltration and glomerular injury. *J Am Soc Nephrol* 2008 Apr;19(4):722-730.
131. Briggs JP. The hunt for the perfect biomarker for acute kidney injury: back to gamma trace? *Kidney Int* 2008;74(8):987-988.
132. Oppermann M, Qin Y, Lai EY, Eisner C, Li L, Huang Y, Mizel D, Fryc J, Wilcox CS, Briggs J, Schnermann J, Castrop H. Enhanced tubuloglomerular feedback in mice with vascular overexpression of A1 adenosine receptors. *Am J Physiol Renal Physiol* 2009 Nov;297(5):F1256-F1264.
133. Kim SM, Theilig F, Qin Y, Cai T, Mizel D, Faulhaber-Walter R, Hirai H, Bachmann S, Briggs JP, Notkins AL, Schnermann J. Dense-core vesicle proteins IA-2 and IA-2 β affect renin synthesis and secretion through the β -adrenergic pathway. *Am J Physiol Renal Physiol* 2009 Feb;296(2):F382-F389.
134. Chen L, Kim SM, Eisner C, Oppermann M, Huang Y, Mizel D, Li L, Chen M, Sequeira Lopez ML, Weinstein LS, Gomez RA, Schnermann J, Briggs JP. Stimulation of renin secretion by angiotensin II blockade is G α -dependent. *J Am Soc Nephrol* 2010 Jun;21(6):986-992.
135. Chen L, Faulhaber-Walter R, Wen Y, Huang Y, Mizel D, Chen M, Lopez MLS, Weinstein LS, Gomez RA, Briggs JP, Schnermann J. Renal failure in mice with G α deletion in juxtaglomerular cells. *Am J Nephrol* 2010 Jul;32(1):83-94.
136. Eisner C, Faulhaber-Walter R, Wang Y, Leelahavanichkul A, Yuen PS, Mizel D, Star RA, Briggs JP, Levine M, Schnermann J. Major contribution of tubular secretion to creatinine clearance in mice. *Kidney Int* 2010 Mar;77(6):519-526.
137. Faulhaber-Walter R, Jou W, Mizel D, Li L, Zhang J, Kim SM, Huang Y, Chen M, Briggs JP, Gavrilova O, Schnermann JB. Impaired glucose tolerance in the absence of adenosine A1 receptor signaling. *Diabetes* 2011 Oct;60(10):2578-2587.
138. Rocco MV, Lockridge RS Jr, Beck GJ, Eggers PW, Gassman JJ, Greene T, Larive B, Chan CT, Chertow GM, Copland M, Hoy CD, Lindsay RM, Levin NW, Ornt DB, Pierratos A, Pipkin MF, Rajagopalan S, Stokes JB, Unruh ML, Star RA, Klinger AS; Frequent Hemodialysis Network (FHN) Trial Group, Klinger A,

Eggers P, Briggs J, et al. The effects of frequent nocturnal home hemodialysis: the Frequent Hemodialysis Network Nocturnal Trial. *Kidney Int* 2011 Nov;80(10):1080-1091.

139. Kim SM, Briggs JP, Schnermann J. Convergence of major physiological stimuli for renin release on the Gs-alpha/cyclic adenosine monophosphate signaling pathway. *Clin Exp Nephrol* 2012 Feb;16(1):17-24.
140. Eisner C, Ow H, Yang T, Jia Z, Dimitriadis E, Li L, Wang K, Briggs J, Levine M, Schnermann J, Espey MG. Measurement of plasma volume using fluorescent silica-based nanoparticles. *J Appl Physiol* 2012 Feb;112(4):681-687.
141. Schnermann J, Briggs JP. Synthesis and secretion of renin in mice with induced genetic mutations. *Kidney Int* 2012 Mar;81(6):529-538.
142. Schnermann J, Briggs JP. Tubular control of renin synthesis and secretion. *Pflugers Arch* 2013 Jan;465(1):39-51.
143. Briggs JP, Killen J. Perspectives on complementary and alternative medicine research. *JAMA* 2013 Aug 21;310(7):691-692.
144. Briggs J. Building the evidence base for integrative approaches to care of cancer survivors. *J Natl Cancer Inst Mongr* 2014;2014(50):288.

Non-Peer Reviewed Publications:

1. Schnermann J, Briggs JP. Current topics and controversies in macula densa control of filtration. *Proc VIIIth Cong Int Soc Nephrol* 1981;140-146.
2. Briggs JP, Schnermann J. The regulatory role of the tubuloglomerular feedback mechanism. *Proc IXth Int Cong Nephrol* 1984;143-153.
3. Schnermann J, Briggs JP. Renal effects of the atrial natriuretic peptides. *Klin Wochensh* 1987;65 VIII, 92-96.
4. Marin-Grez M, Angchanpen P, Gambaro G, Schnermann J, Schubert G, Briggs JP. Evidence for an involvement of dopamine receptors in the natriuretic response to atrial natriuretic peptide. *Klin Wochensh* 1987;65 VIII, 97-102.
5. Briggs JP, Velazquez H, Schubert G, Marin-Grez M, Schnermann J. Inhibitory effect of atrial natriuretic peptides on chlorine absorption in loops of Henle perfused in vivo. In: Biologically Active Atrial Peptides, edited by BM Brenner and JH Laragh, Raven Press, New York, 410-412, 1987.
6. Briggs JP, Schnermann J. Vasopressin dissociates the responses of sodium and water excretion to atrial natriuretic factor in water-diuretic rats. In: Biologically Active Atrial Peptides, edited by BM Brenner and JH Laragh, Raven Press, New York, 428-431, 1987.
7. Briggs JP, Schnermann J, Skott O. Macula densa transport: direct and indirect approaches. Proc Fernstrom Symposium 79-88, 1988.
8. Skott O, Briggs JP. Macula densa control of renin secretion from the isolated perfused and superfused JGA, Proc Fernstrom Symposium 229-238, 1988.
9. Briggs JP, Todd-Turla K, Schnermann JB, Killen PD. Approach to the molecular basis of nephron heterogeneity: application of reverse transcription-polymerase chain reaction to dissected tubule segments. *Semin Nephrol* 1993 Jan;13(1):2-12.
10. Schnermann J, Briggs JP. Role of adenosine in cell-to-cell signalling in the juxtaglomerular apparatus. *Semin Nephrol* 1993;13:236-245.
11. Lorenz J, Greenberg S, Briggs JP. The macula densa for control of renin secretion. *Semin Nephrol* 1993;13:531-542.
12. Briggs JP. What does it take for bench research to succeed in departments of internal medicine? American Professors of Medicine Symposium, 1995.
13. Briggs JP, Schnermann J. Whys and wherefores of juxtaglomerular apparatus function. *Kidney Int* 1996;49:1724-1726.
14. Park JM, Schnermann JB, Briggs JP. Cyclooxygenase-2. A key regulator of bladder prostaglandin formation. *Adv Exp Biol Med* 1999;462:171-181.

15. Vallon V, Chen M, Yang T, Briggs J, Schnermann J. Molecular and functional evidence for expression of adenosine receptors in zebrafish, *Danio rerio*. Mount Desert Island Biological Laboratories Bulletin (online manuscript).
16. Yang T, Endo Y, Chen M, Schnermann J, Briggs J. Cyclooxygenase isoforms in zebrafish (*Danio rerio*). Mount Desert Island Biological Laboratories Bulletin, 1999.
17. Yang T, Forrest S, Stine N, Endo Y, Aller S, Forrest JN Jr, Schnermann J, Briggs J. CDNA cloning of a cyclooxygenase gene and effects of cyclooxygenase inhibition on chloride secretion in the rectal gland of the dogfish shark, *Squalus acanthias*. Mount Desert Island Biological Laboratories Bulletin, 1999.
18. Chen M, Vallon V, Smart A, Endo Y, Schnermann J, Briggs J. Studies of the zebrafish (*Danio rerio*) renin-angiotensin system. Mount Desert Island Biological Laboratories Bulletin, 1999.
19. Endo Y, Chen M, Vallon V, Schnermann J, Briggs JP. Expression of cathepsin d and angiotensinogen in nephrons of zebrafish (*Danio rerio*) kidney. Mount Desert Island Biological Laboratories Bulletin, 2000.
20. Stony CM, Coates P, Briggs JP. Integrity of active components of botanical products used in complementary and alternative medicine. JAMA 2008 Nov 5;300(17):1995; author reply 1995-1996.
21. Briggs J. Complementary and alternative health practices: their role in evolution of American health care. 137th APHA Annual Meeting and Exposition, 2009.
22. Briggs J, Killen J. More about the evidence in evidence-based integrative medicine programs. Acad Med 2010 Feb;85(2):183; author reply 186-187.
23. Briggs J, Killen J. Don't dismiss these treatments as placebos. The Atlantic 2011 Jun 15.
24. Briggs JP, Killen J. Complementary health practices. JAMA 2012 Aug 1;308(5):452-453; author reply 453-454.
25. Meyers CM, Briggs JP. Silymarin for diabetic nephropathy: the challenges of botanical product research. Am J Kidney Dis 2012 Dec;60(6):887-889.
26. Briggs JP. Complementary health approaches: promise and concerns. 140th APHA Annual Meeting and Exposition, 2012.
27. Terry W, Briggs JP, Coetzee T, Goodman S, Harrington RA, Hudson L, Huge-Jones C, Johannessen J, Nye JS, Platt R, Potter WZ, Rockhold FW, Rosenblatt M, Seyfert-Margolis V, Zarin DA. Sharing Clinical Research Data: Workshop Summary. National Academies Press, Washington, DC, 2013.
28. Collins FS, Hudson KL, Briggs JP, Lauer MS. PCORnet: turning a dream into reality. J Am Med Inform Assoc 2014 Jul-Aug;21(4):576-577.
29. Briggs JP. A global scientific challenge—learning the right lessons from ancient healing practices. Science Translational Medicine (in press).

Chapters in Books:

1. Briggs JP, Wright F. Identification in vivo of related surface vessels and tubules. Int Symp Vascular and Tubular Org of the Kidney 49, 1978.
2. Schnermann J, Briggs JP, Kriz W, Moore L, Wright F. Control of glomerular vascular resistance by the tubuloglomerular feedback mechanism. In: Renal Pathophysiology, Recent Advances (edited by A Leaf, G Giebisch, L Bolis, S Gorini). Raven Press, New York, 1980, pp. 165-182.
3. Weber PC, Siess W, Scherer B, Briggs JP, Schnermann J. Prostaglandins and the renal circulation. In: Prostaglandins and the Cardiovascular System. Raven Press, New York, 1980.
4. Schnermann J, Briggs JP. The function of the juxtaglomerular apparatus: local control of glomerular hemodynamics. In: The Kidney: Physiology and Pathophysiology (edited by G Giebisch, DW Seldin). Raven Press, New York, 1985.
5. Schnermann J, Briggs JP. The physiological importance of atrial natriuretic peptide. In: Functional Morphology of the Endocrine Heart (edited by W. Forssman et al.). Steinkopff Verlag Darmstadt, 1989.
6. Briggs JP, Schnermann J. The tubuloglomerular feedback mechanism. In: Hypertension: Pathophysiology, Diagnosis and Management (edited by J Laragh, B Brenner). Raven Press, New York, 1990.
7. Briggs JP, Sawaya BP, Schnermann J. Disorders of sodium balance. In: Fluids and Electrolytes (edited by J Kokko, R Tannen). Little, Brown, Boston, 1991.

8. Briggs JP. Introduction to body fluids. In: The Principles and Practice of Nephrology (edited by HR Jacobsen, GE Striker, S Klanr). BC Decker, Toronto, 1991.
9. Schnermann J, Briggs JP. The function of the juxtaglomerular apparatus: local control of glomerular hemodynamics. In: The Kidney: Physiology and Pathophysiology, 2nd edition (edited by G Giebisch, DW Seldin). Raven Press, New York, 1992.
10. Briggs JP, Schnermann J. Overview of renal function. In: Primer on Kidney Diseases (edited by A Greenberg). The National Kidney Foundation, Academic Press, New York, 1994.
11. Briggs JP, Schnermann J. Control of renin release and glomerular vascular tone by the juxtaglomerular apparatus. In: Hypertension: Physiology, Diagnosis and Management, 2nd edition (edited by Laragh and Brenner). Raven Press, New York, 1994.
12. Briggs JP, Singh IJ, Sawaya BP, Schnermann J. Disorders of salt balance. In: Fluids and Electrolytes, 3rd edition (edited by J Kokko, R Tannen). Little, Brown, Boston, 1995.
13. Briggs JP, Schnermann J. Role of nitric oxide in the function of the juxtaglomerular apparatus. In: Nitric Oxide and the Kidney: Physiology and Pathophysiology (edited by M Goligorsky, SS Gross). Chapman and Hall, New York, 1996.
14. Briggs JP, Schnermann J. Overview of renal function. In: Primer on Kidney Diseases, 2nd edition (edited by A Greenberg). The National Kidney Foundation, Academic Press, New York, 1998.
15. Schnermann J, Briggs JP. The function of the juxtaglomerular apparatus: control of glomerular hemodynamics and renin secretion. In: The Kidney: Physiology and Pathophysiology, 3rd edition (edited by DW Seldin, G Giebisch) Raven Press, New York, 2000.
16. Briggs JP, Schnermann J. Overview of renal function. In: Primer on Kidney Diseases, 3rd edition (edited by A Greenberg). The National Kidney Foundation, Academic Press, New York, 2002.
17. Briggs JP, Schnermann J. Overview of renal function. In: Primer on Kidney Diseases, 4th edition (edited by A Greenberg). The National Kidney Foundation, Academic Press, New York, 2005.
18. Briggs JP, Schnermann J. Overview of renal function. In: Primer on Kidney Diseases, 5th edition (edited by A Greenberg). The National Kidney Foundation, Academic Press, New York, 2009.
19. Briggs JP. Complementary, alternative, and integrative medicine. In Scientific American Medicine (editor-in-chief AK Singh). Decker Intellectual Properties Inc. and Scientific American, 2010.
20. Briggs JP, Straus SE. Complementary, alternative, and integrative medicine. In: Harrison's Principles of Internal Medicine, 18th edition (edited by D Longo, A Fauci, D Kasper, S Hauser, J Jameson, J Loscalzo). McGraw Hill, USA, 2011.
21. Briggs JP, Kriz W, Schnermann JB. Overview of kidney function and structure. In: National Kidney Foundation's Primer on Kidney Diseases, 6th edition (edited by S Gilbert, DE Weiner). Elsevier Inc., USA, 2014.