

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)
2015-2016 Interim Director, NIH Precision Medicine Initiative Cohort Program
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
2015	Department of Health and Human Services 2014 Secretary's Award for Distinguished Service
2016	NIH Director's Award, for leading the NIH team in developing and implementing President Obama's Precision Medicine Initiative for NIH
2016	NIH OD Honor Award, for outstanding leadership implementing the President's Precision Medicine Initiative for NIH

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.
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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.
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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.
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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.
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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.
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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.
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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.
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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.
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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.
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