Stanford



Vivek Bhalla, MD

Associate Professor of Medicine (Nephrology)

Medicine - Nephrology

NIH Biosketch available Online Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Nephrology Clinic**
  900 Blake Wilbur Dr
  2nd Fl
  Stanford, CA 94305
  Tel (650) 723-6961 **Fax** (650) 725-8418

Bio

CLINICAL FOCUS

- Nephrology
- Hypertension
- Resistant Hypertension
- Diabtetic Kidney Disease
- Electrolyte Disorders

ACADEMIC APPOINTMENTS

- Associate Prof-Univ Med Line, Medicine - Nephrology
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Director, Stanford Pre-Renal Initiative, NIH NIDDK R25, (2020- present)
- Member, Stanford Diabetes Research Center, (2017- present)
- Director, AHA-Certified Stanford Hypertension Center, (2015- present)
- Director, Renal Physiology, Pre-Clinical Curriculum, (2012-2022)

HONORS AND AWARDS

- Fellow, American Society of Nephrology (2003)
- Mentored Clinical Scientist Award (K08), NIH/NIDDK (2005-2010)
- Teaching Awardee, Halie T. Debas Academy of Medical Educators, UCSF (2007)
- Shaul G. Massry Young Investigator's Award, National Kidney Foundation (2008)

- Carl W. Gottschalk Research Grant, American Society of Nephrology (2010-2012)
- Faculty Mentor Award, Stanford Biodesign Program (2012)
- Henry J Kaiser Family Foundation Award for Excellence in Preclinical Teaching, Stanford University School of Medicine (2012)
- Fellow, American Heart Association (2017)
- Outstanding Lecture / Presentation, Stanford University School of Medicine (2017)
- Member, American Society of Clinical Investigation (2022)
- Oscar Salvatierra Award for Exceptional Service to Medical Students and the School of Medicine, Stanford University School of Medicine (2024)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Biosciences Research Advisory Group, American Society of Nephrology (2014 - 2016)
- Vice-Chair, Kidney in Cardiovascular Disease Council, American Heart Association (2016 - 2018)
- Member, Hypertension Council, American Heart Association (2016 - present)
- Chair, Kidney in Cardiovascular Disease Council, American Heart Association (2018 - 2020)
- Continuous Professional Development Committee, American Society of Nephrology (2023 - present)

PROFESSIONAL EDUCATION

- Medical Education: University of California San Diego School of Medicine (1998) CA
- Board Certification: Nephrology, American Board of Internal Medicine (2020)
- Fellowship: UCSF Dept of Nephrology (2005) CA
- Residency: Harbor UCLA Internal Medicine Residency (2001) CA
- Board Certification, American Society of Hypertension , Clinical Hypertension (2015)
- Fellowship, University of California San Francisco , Nephrology (2005)
- Residency, Harbor-UCLA Medical Center , Internal Medicine (2001)
- M.D., Univ of California San Diego , Medicine (1998)
- B.S., Univ of California Berkeley , Electrical Engineering (1994)

LINKS

- Stanford Hypertension Center: http://med.stanford.edu/hypertension.html
- Bhalla Laboratory Website: http://med.stanford.edu/bhallalab.html
- Research Gate Profile: https://www.researchgate.net/profile/Vivek_Bhalla

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Bhalla received his training in molecular biology at UC San Francisco. His postdoctoral work centered on the regulation of aldosterone-mediated sodium transport in health and disease. In his laboratory he uses both in vitro and in vivo approaches for several projects related to the role of the kidney in health, diabetes, and hypertension.

(1) Diabetic kidney disease is costly and consequential. Diabetic kidney disease is the most common form of chronic kidney disease in the world, yet no curative therapy is available. Studies of the susceptibility of diabetic kidney disease led to the discovery of differential regulation of endothelial-specific molecule-1, Esm-1 (endocan) in susceptible strains of mice. Esm-1 is a secreted proteoglycan for which low levels in serum or glomeruli associate with worse kidney disease in both mice and humans. Rescue of Esm-1-deficient mice results in improvement in clinical and histologic markers of

glomerular injury. Moreover, Esm-1 reverses gene expression of a host of glomerular cell-specific transcripts that correlate with albuminuria in diabetes. Ongoing experiments entail understanding the mechanisms of how Esm-1 confers protection against diabetic kidney disease; how serum and glomerular endothelial cell-derived Esm-1 differ in regulation, prognosis, and action; and the contribution of Esm-1 to other glomerular diseases.

(2) The laboratory has shown that tubular remodeling occurs in humans with selective disruption of segment-specific sodium and chloride transport. A related phenocopy occurs each day in pharmacology, i.e., inhibition of sodium reabsorption using diuretics is a mainstay of therapy for hypertension and edema-forming states. Study on the consequences of remodeling stimuli using tubular morphometry and single cell approaches have led to additional work on mechanisms of tubular remodeling in vivo.

(3) In the arena of clinical and translational research, Dr. Bhalla is interested in the role of aldosterone in the spectrum of hypertension, from primary aldosteronism to resistant hypertension. Dr. Bhalla has published on screening of primary aldosteronism and the need to better define aldosterone sensitivity.

CLINICAL TRIALS

- A Study to Investigate the Efficacy and Safety of Baxdrostat in Participants With Uncontrolled Hypertension on Two or More Medications Including Participants With Resistant Hypertension, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Joy Njuguna

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Spurious Electrolyte and Creatinine Levels in Previously Frozen Serum Samples.** *Kidney international reports*
  Kamboj, K., Varanasi, R., Huynh, C., Lu, M., Aceituno, A., Camilli, S., Kataria, Y., Jarquín, E., Garcia-Trabanino, R., Brooks, D. R., Bhalla, V., Friedman, D., Waikar, et al
  2026; 11 (12): 107106

- **Effectiveness of Multilevel Recruitment Strategies for Improving Enrollment of Underrepresented Populations in a Digital Hypertension Clinical Trial**
  Chang, R., Dunlap, P., Babakhanian, M., Shen, S., Vesom, N., Ritter, V., Qin, F., Okeke, D., Deleon Padilla, E., Rodriguez, M., Palaniappan, L., Lewis, E. F., Bhalla, et al
  LIPPINCOTT WILLIAMS & WILKINS.2026: A6643

- **Antihypertensive Medication Patterns in Patients with Hypertension that is Harder to Control: Insights from the EnligHTN Study.** *Advances in therapy*
  Bech, J. N., McCormack, T., Bhalla, V., Ben Dor, N. R., Segura, J., Hougaard Christiansen, S., Andersen, I. T., Erhard, C., Rhodes, K. M., Norris, T., Coto, E., Weil, J.
  2026

- **When "right" goes wrong: poor accuracy of calculated right adrenal vein aldosterone levels in subtyping primary aldosteronism.** *CVIR endovascular*
  Datta, S., Wang, R., Bhalla, V., Bahrainwala, J. Z., Seav, S., Picel, A. C., Wang, D., Hung, M. L.
  2026; 9 (1)

- **Uncontrolled Hypertension Prevalence, Characteristic Profiles, and Risk of Cardiorenal and Metabolic Outcomes: Insights from the EnligHTN Study.** *Advances in therapy*
  McCormack, T., Ben Dor, N. R., Norris, T., Giannoula, A., Coto, E., Rhodes, K. M., Franzén, S., Suárez Fernández, C., Weil, J., Bech, J. N., Bhalla, V.
  2026
- **Is There a Role for Renal Revascularization in Atherosclerotic Renal Artery Stenosis?** *Advances in kidney disease and health*
  Hernandez, M. F., Bhalla, V.
  2026; 33 (4): 346-357
- **Hemophagocytic Lymphohistiocytosis and Fibroblast Growth Factor 23 (FGF23)-Induced Hypophosphatemia.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
  Cacciapuoti, M., Bahrainwala, J. Z., Weng, W. K., Scott, S. A., Bhalla, V., Abra, G.
  2026
- **Designing genome editing experiments with EditABLE.** *Genome biology*
  Maxim, D. S., Sostena, J., Johnson, N. S., Wu, D. W., Charu, V., Carter, J. N., Anand, S., Church, G. M., Bhalla, V.
  2026
- **Hypercortisolism: A Prevalent and Complicating Factor in Primary Aldosteronism.** *Hypertension (Dallas, Tex. : 1979)*
  Pasricha, S. V., Seav, S. M., Hung, M. L., Bhalla, V.
  2026; 83 (5): e26810
- **Insulin Receptor (IR) Regulates Flow-Induced K⁺ Secretion and BK Channel Expression in the Cortical Collecting Duct**
  Carrisoza-Gaytan, R., Nizar, J., Satlin, L., Bhalla, V.
  AMER PHYSIOLOGICAL SOC.2026
- **Unmasking primary aldosteronism after kidney transplantation: a case series.** *Journal of human hypertension*
  Hernandez, M. F., Lenihan, C., Bhalla, V., Charu, V., Cheng, X. S.
  2026
- **Case-control study of water and agricultural exposures among women in CKDu-endemic Sri Lanka.** *Journal of water and health*
  Contreras Nieves, M., Hewapathiranage, S., Zabel, F. Q., Mahalekam, D., Yu, X., Weerakoon, C., Bandara, M., Bandara, I., Maduwantha, I., Hearth, D., Athauda, I., Rathnayake, B., Erandika, et al
  2026; 24 (2): 160-175
- **Case-control study of water and agricultural exposures among women in CKDu-endemic Sri Lanka** *JOURNAL OF WATER AND HEALTH*
  Contreras Nieves, M., Hewapathiranage, S., Zabel, F., Mahalekam, D., Yu, X., Weerakoon, C., Bandara, M., Bandara, I., Maduwantha, I., Hearth, D., Athauda, I., Rathnayake, B., Erandika, et al
  2026
- **The Role of Mineralocorticoid Receptors in the Treatment of Primary Hypertension.** *Current hypertension reports*
  Bahrainwala, J. Z., Bhalla, V.
  2026; 28 (1): 7
- **INCREASED HEALTHCARE RESOURCE UTILIZATION AMONG UNCONTROLLED VS. CONTROLLED HYPERTENSION POPULATION: FINDINGS FROM THE ENLIGHTN STUDY**
  Segura, J., Ben Dor, N., McCormack, T., Bhalla, V., Weil, J., Franzen, S., Chen, J., Coto, E., Chin, K. L., Bech, J. N.
  ELSEVIER SCIENCE INC.2025
- **Uncontrolled hypertension is associated with high healthcare resource utilization: Observations from the EnligHTN study**
  Ben Dor, N., Bech, J., Fernandez, C., McCormack, T., Bhalla, V., Weil, J., Giannuola, A., Chen, J., Coto, E., Chin, K.
  LIPPINCOTT WILLIAMS & WILKINS.2025
- **Risk of cardiorenal and metabolic outcomes in inadequately controlled hypertension: insights from the ENLIGHTN study**
  Mc Cormack, T., Fernandez, C., Bhalla, Giannoula, A., Norris, T., Coto, E., Rhodes, K., Weil, J., Ben Dor, N., Bech, J. N.
  OXFORD UNIV PRESS.2025
- **Prevalence of the M1 Modifier p.N264K in APOL1 Among Individuals With Kidney Disease Undergoing Commercial Genetic Testing in the United States** *AMERICAN JOURNAL OF KIDNEY DISEASES*
  Francisco, R., Punj, S., Vincent, L., Sanapareddy, N., Bhalla, V., Chertow, G. M., Keen-Kim, D., Charu, V.

2025; 86 (5): 715-718

- **Integrated AAV optimization enables efficient gene delivery to kidney in murine and human tissue.** *Research square*
  Garcia, F. G., Moreno, M. R., Chetty, S., Johnson, N., An, A., Sostena, J., Thompson, L., Wang, J., Charu, V., Lee, J., Meyer, N., Stoller, M., Yang, et al
  2025
- **Characteristics of patients with chronic kidney disease and inadequately controlled hypertension: insights from the EnligHTN study**
  Weil, J., Dor, N., McCormack, T., Fernandez, C., Norris, T., Erhard, C., Eryd, S., Bhalla, V.
  OXFORD UNIV PRESS.2025
- **Rationale and Design of the International Prospective Study of CKD of Uncertain Etiology in Agricultural Communities** *KIDNEY INTERNATIONAL REPORTS*
  Lebov, J. F., Brooks, D. R., Aceituno, A., Acosta, H., Velazquez, J., Anand, S., Aragon, A., Arias-Hidalgo, M., Bhalla, V., Courville, K., Crowe, J., Cubilla-Batista, I., Engel, et al
  2025; 10 (9): 3192-3201
- **Determining the relationship between renal accessory and branching arteries with resistant hypertension: a case-control study**
  Pasricha, S., Hernandez, M., Gulati, M., Lerman, L., Bhalla, V.
  LIPPINCOTT WILLIAMS & WILKINS.2025
- **Characteristics of Diabetes Patients with Inadequately Controlled Hypertension: Insights from the EnligHTN Study**
  Bhalla, V., Eryd, S., Norris, T., Ballantyne, M., McCormack, T.
  W B SAUNDERS CO-ELSEVIER INC.2025
- **Environmental exposure assessment in the international prospective study of Chronic Kidney Disease of UnceRtain Etiology (CKDu) in Agricultural Communities (CURE) research consortium: Design and protocol development.** *The Science of the total environment*
  González-Quiroz, M., Aceituno, A., Anand, S., van Geen, A., Engel, L. S., Jarquin, E., Ruepert, C., Villegas-González, N., Arias-Hidalgo, M., Franceschini, N., Anchía-Pastrán, D., Solano-Diaz, K., Corrales-Vargas, et al
  2025; 983: 179642
- **Adeno-Associated Viral Mediated Genome Editing as a Curative Therapy for Polycystic Kidney Disease**
  Garcia, F., Thompson, L., Moreno, M., Chetty, S., Wang, J., Garcia-Gonzalez, M., Church, G., Bhalla, V., Thakor, A., Maxim, D.
  CELL PRESS.2025
- **ClC-Kb pore mutation disrupts glycosylation and triggers distal tubular remodeling.** *JCI insight*
  Sharma, Y., Lo, R., Tomilin, V. N., Ha, K., Deremo, H., Pareek, A. V., Dong, W., Liao, X., Lebedeva, S., Charu, V., Kambham, N., Mutig, K., Pochynyuk, et al
  2024
- **Prevalence of Mendelian Kidney Disease Among Patients With High-Risk APOL1 Genotypes Undergoing Commercial Genetic Testing in the United States** *KIDNEY INTERNATIONAL REPORTS*
  Francisco, R., Punj, S., Vincent, L., Sanapareddy, N., Bhalla, V., Chertow, G. M., Keen-Kim, D., Charu, V.
  2024; 9 (9): 2667-2676
- **Esm-1 mediates transcriptional polarization associated with diabetic kidney disease.** *American journal of physiology. Renal physiology*
  Gaudet, A., Zheng, X., Kambham, N., Bhalla, V.
  2024
- **RNA Interference as a Therapeutic Approach for Managing Hypertension.** *Clinical journal of the American Society of Nephrology : CJASN*
  Tan, J. W., Bhalla, V.
  2024
- **Design and Implementation of an Electronic Health Record-Integrated Hypertension Management Application.** *Journal of the American Heart Association*
  Funes Hernandez, M., Babakhanian, M., Chen, T. P., Sarraju, A., Seninger, C., Ravi, V., Azizi, Z., Tooley, J., Chang, T. I., Lu, Y., Downing, N. L., Rodriguez, F., Li, et al
  2024; 13 (2): e030884
- **Describing Natural History and Exploring Risk Factors for Kidney Function Decline in Persons With CKD of Uncertain Etiology in Sri Lanka.** *Kidney international reports*

Hewavitharana, P., Schensul, S., Lee, E., Montez-Rath, M., Senarathne, S., Liu, S., Harold, K., Hewapathiranage, S., Erandika, N., Abeysundara, H. T., Yu, X., Bhalla, V., Fire, et al
2023; 8 (7): 1430-1438

- **Underdiagnosis of Primary Aldosteronism: A Review of Screening and Detection.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
  Hernandez, M. F., Bhalla, V.
  2023
- **Rare Presentation of Paroxysmal High B-Pee.** *Hypertension (Dallas, Tex. : 1979)*
  Bradshaw, C., Abounasr, A., Brunsing, R. L., Kao, C. S., Reejhsinghani, R., Annes, J. P., Chung, B. I., Mihm, F., Bhalla, V.
  2023
- **Endothelial Cell-Specific Molecule-1 Inhibits Albuminuria in Diabetic Mice.** *Kidney360*
  Zheng, X., Higdon, L., Gaudet, A., Shah, M., Balistieri, A., Li, C., Nadai, P., Palaniappan, L., Yang, X., Santo, B., Ginley, B., Wang, X. X., Myakala, et al
  2022; 3 (12): 2059-2076
- **Proximal Tubular Secretion: A New Way to Assess for Kidney Dysfunction?** *Kidney international reports*
  Au, E. H., Bhalla, V.
  2022; 7 (12): 2558-2559
- **A COL4A4-G394S Variant and Impaired Collagen IV Trimerization in a Patient with Mild Alport Syndrome** *KIDNEY360*
  Kohler, J., Omachi, K., Charu, V., Miner, J. H., Bhalla, V.
  2022; 3 (11): 1899-1908
- **Revascularization for Renovascular Disease: A Scientific Statement From the American Heart Association** *HYPERTENSION*
  Bhalla, V., Textor, S. C., Beckman, J. A., Casanegra, A. I., Cooper, C. J., Kim, E. S. H., Luther, J. M., Misra, S., Oderich, G. S., Amer Heart Assoc Council Kidney, Council Hypertension, Council Peripheral Vasc Dis, Council Cardiovasc Radiology Int
  2022; 79 (8): E128-E143
- **Self-limited Hypertension Due to Kidney Infarction.** *Kidney medicine*
  Funes Hernandez, M., Bhalla, V., Isom, R. T.
  2022; 4 (5): 100454
- **Changing the Trajectory of Heart Failure and Kidney Disease.** *Clinical journal of the American Society of Nephrology : CJASN*
  Rangaswami, J., Bhalla, V., Chertow, G., Harrington, R., Staruschenko, A., Tuttle, K., Braunwald, E.
  2022
- **Hypothesis: Accessory renal arteries may be an overlooked cause of renin-dependent hypertension.** *Journal of human hypertension*
  Funes Hernandez, M., Bhalla, V., Isom, R. T.
  2021
- **Canagliflozin, serum magnesium and cardiovascular outcomes-Analysis from the CANVAS Program.** *Endocrinology, diabetes & metabolism*
  Wang, K. M., Li, J., Bhalla, V., Jardine, M. J., Neal, B., de Zeeuw, D., Fulcher, G., Perkovic, V., Mahaffey, K. W., Chang, T. I.
  2021; 4 (3): e00247
- **Masking by hypokalemia-primary aldosteronism with undetectable aldosterone.** *Clinical kidney journal*
  Boyle, R. A., Baker, J. E., Charu, V., Rainey, W. E., Bhalla, V.
  2021; 14 (4): 1269–71
- **Aldosterone sensitivity: an opportunity for investigation into the pathogenesis of hypertension.** *American journal of physiology. Renal physiology*
  Gray, Z. n., Tu, W. n., Chertow, G. M., Bhalla, V. n.
  2021
- **A historical perspective on ACE2 in the COVID-19 era.** *Journal of human hypertension*
  Bhalla, V., Blish, C. A., South, A. M.
  2020

- **Cardiorenal Protection With the Newer Antidiabetic Agents in Patients With Diabetes and Chronic Kidney Disease: A Scientific Statement From the American Heart Association** *CIRCULATION*
  Rangaswami, J., Bhalla, V., de Boer, I. H., Staruschenko, A., Sharp, J. A., Singh, R., Lo, K., Tuttle, K., Vaduganathan, M., Ventura, H., McCullough, P. A., American Heart Assoc, Council On Arteriosclerosis, Council On Cardiovascular, et al
  2020; 142 (17): E265-E286

- **Uncontrolled Hypertension in an Elderly Man on Multiple Antihypertensive Drugs.** *Hypertension (Dallas, Tex. : 1979)*
  D'Costa, M. R., Taler, S. J., Dominiczak, A. F., Touyz, R. M., Carey, R. M., Basile, J. N., Bursztyn, M., Bhalla, V., Schwartz, G. L.
  2020: HYPERTENSIONAHA12015310

- **SGLT2 inhibitors: Diabetic kidney disease and beyond.** *American journal of physiology. Renal physiology*
  Staruschenko, A., Bhalla, V., Rangaswami, J.
  2020

- **Possible Protective Effect of Renin-Angiotensin System Inhibitors in COVID-19 Induced Acute Kidney Injury Authors' Reply** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
  Batlle, D., Soler, M., Welling, P. A., Swaminathan, S., COVID-19 & ACE2 Cardiovasc Lung K
  2020; 31 (8): 1918-1919

- **Sound Science before Quick Judgement Regarding RAS Blockade in COVID-19.** *Clinical journal of the American Society of Nephrology : CJASN*
  Sparks, M. A., South, A., Welling, P., Luther, J. M., Cohen, J., Byrd, J. B., Burrell, L. M., Batlle, D., Tomlinson, L., Bhalla, V., Rheault, M. N., Soler, M. J., Swaminathan, et al
  2020

- **Screening Rates for Primary Aldosteronism in Resistant Hypertension: A Cohort Study.** *Hypertension (Dallas, Tex. : 1979)*
  Jaffe, G., Gray, Z., Krishnan, G., Stedman, M., Zheng, Y., Han, J., Chertow, G. M., Leppert, J. T., Bhalla, V.
  2020: HYPERTENSIONAHA11914359

- **Urinary Albumin, Sodium, and Potassium and Cardiovascular Outcomes in the UK Biobank: Observational and Mendelian Randomization Analyses.** *Hypertension (Dallas, Tex. : 1979)*
  Zanetti, D., Bergman, H., Burgess, S., Assimes, T. L., Bhalla, V., Ingelsson, E.
  2020: HYPERTENSIONAHA11914028

- **Testing for Primary Aldosteronism and Mineralocorticoid Receptor Antagonist Use Among U.S. Veterans : A Retrospective Cohort Study.** *Annals of internal medicine*
  Cohen, J. B., Cohen, D. L., Herman, D. S., Leppert, J. T., Byrd, J. B., Bhalla, V. n.
  2020

- **Kidney Case Conference Series: How We Manage Hypertension in a Patient with a Recent Stroke.** *Clinical journal of the American Society of Nephrology : CJASN*
  Chang, T. I., Bhalla, V. n.
  2020

- **2019 AHA/ACC Clinical Performance and Quality Measures for Adults With High Blood Pressure: A Report of the American College of Cardiology/American Heart Association Task Force on Performance Measures** *CIRCULATION-CARDIOVASCULAR QUALITY AND OUTCOMES*
  Casey, D. E., Thomas, R. J., Bhalla, V., Commodore-Mensah, Y., Heidenreich, P. A., Kolte, D., Muntner, P., Smith, S. C., Spertus, J. A., Windle, J. R., Wozniak, G. D., Ziaeian, B.
  2019; 12 (11): e000057

- **Current Status of Angiotensin Receptor Blocker Recalls.** *Hypertension (Dallas, Tex. : 1979)*
  Gunasekaran, P. M., Chertow, G. M., Bhalla, V., Byrd, J. B.
  2019: HYPERTENSIONAHA11913955

- **Intercalated Cells of the Kidney Collecting Duct in Kidney Physiology.** *Seminars in nephrology*
  Rao, R., Bhalla, V., Pastor-Soler, N. M.
  2019; 39 (4): 353–67

- **Comparison of routine and automated office blood pressure measurement.** *Blood pressure monitoring*
  Cheng, R. Z., Bhalla, V., Chang, T. I.

2019

- **Hypertension Hot Potato - Anatomy of the Angiotensin-Receptor Blocker Recalls** *NEW ENGLAND JOURNAL OF MEDICINE*
  Byrd, J., Chertow, G. M., Bhalla, V.
  2019; 380 (17): 1589–91

- **Cardiorenal Syndrome: Classification, Pathophysiology, Diagnosis, and Treatment Strategies A Scientific Statement From the American Heart Association** *CIRCULATION*
  Rangaswami, J., Bhalla, V., Blair, J. E. A., Chang, T., Costa, S., Lentine, K. L., Lerma, E., Mezue, K., Molitch, M., Mullens, W., Ronco, C., Tang, W., McCullough, et al
  2019; 139 (16): E840–E878

- **Prospective Biopsy-Based Study of CKD of Unknown Etiology in Sri Lanka** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
  Anand, S., Montez-Rath, M. E., Adasooriya, D., Ratnatunga, N., Kambham, N., Wazil, A., Wijetunge, S., Badurdeen, Z., Ratnayake, C., Karunasena, N., Schensul, S. L., Valhos, P., Haider, et al
  2019; 14 (2): 224–32

- **Prospective Biopsy-Based Study of Chronic Kidney Disease of Unknown Etiology in Sri Lanka.** *Clinical journal of the American Society of Nephrology : CJASN*
  Anand, S., Montez-Rath, M. E., Adasooriya, D., Ratnatunga, N., Kambham, N., Wazil, A., Wijetunge, S., Badurdeen, Z., Ratnayake, C., Karunasena, N., Schensul, S. L., Valhos, P., Haider, et al
  2019

- **Epidemiology, molecular, and genetic methodologies to evaluate causes of CKDu around the world: report of the Working Group from the ISN International Consortium of Collaborators on CKDu.** *Kidney international*
  Anand, S. n., Caplin, B. n., Gonzalez-Quiroz, M. n., Schensul, S. L., Bhalla, V. n., Parada, X. n., Nanayakkara, N. n., Fire, A. n., Levin, A. n., Friedman, D. J.
  2019; 96 (6): 1254–60

- **AMPK phosphorylation of the β1Pix exchange factor regulates the assembly and function of an ENaC inhibitory complex in kidney epithelial cells.** *American journal of physiology. Renal physiology*
  Ho, P. Y., Li, H. n., Cheng, L. n., Bhalla, V. n., Fenton, R. A., Hallows, K. R.
  2019

- **Celebrating 40 Years of Accomplishments.** *Hypertension (Dallas, Tex. : 1979)*
  Dominiczak, A. F., Kuo, D., Bhalla, V., Granger, J. P., Griffin, K. A.
  2019; 73 (1): 3–6

- **Celebrating 40 Years of Accomplishments** *HYPERTENSION*
  Dominiczak, A. F., Kuo, D., Bhalla, V., Granger, J. P., Griffin, K. A.
  2019; 73 (1): 3–6

- **Renal tubule insulin receptor modestly promotes elevated blood pressure and markedly stimulates glucose reabsorption.** *JCI insight*
  Nizar, J. M., Shepard, B. D., Vo, V. T., Bhalla, V.
  2018; 3 (16)

- **Age-Related Blood Pressure Sensitivity to Aldosterone in Blacks and Whites** *HYPERTENSION*
  Tu, W., Li, R., Bhalla, V., Eckert, G. J., Pratt, J.
  2018; 72 (1): 247–52

- **Improved protocols for the study of urinary electrolyte excretion and blood pressure in rodents: use of gel food and stepwise changes in diet composition.** *American journal of physiology. Renal physiology*
  Nizar, J. M., Bouby, N. n., Bankir, L. n., Bhalla, V. n.
  2018

- **A Novel High-Resolution Magnetic Resonance Imaging Protocol Detects Aldosterone-Producing Adenomas in Patients with Negative Computed Tomography.** *American journal of hypertension*
  Raber, I. n., Isom, R. T., Louie, J. D., Vasanawala, S. n., Bhalla, V. n.
  2018

- **Explaining the Coincidence Rule for Estimating Respiratory Compensation in Metabolic Acid-Base Disorders** *ANNALS OF INTERNAL MEDICINE*
  Liu, G. S., Bhalla, V.
  2017; 166 (8): 610-610
- **Molecular Mechanisms of Sodium-Sensitive Hypertension in the Metabolic Syndrome.** *Current hypertension reports*
  Nizar, J. M., Bhalla, V. n.
  2017; 19 (8): 60
- **Insights from direct renal insulin infusion: a new hammer for an age-old nail.** *American journal of physiology. Renal physiology*
  Nizar, J. M., Bhalla, V. n.
  2017: ajprenal.00532.2017
- **Murine glomerular transcriptome links endothelial cell-specific molecule-1 deficiency with susceptibility to diabetic nephropathy.** *PloS one*
  Zheng, X. n., Soroush, F. n., Long, J. n., Hall, E. T., Adishesha, P. K., Bhattacharya, S. n., Kiani, M. F., Bhalla, V. n.
  2017; 12 (9): e0185250
- **Pemetrexed-Induced Nephrogenic Diabetes Insipidus** *AMERICAN JOURNAL OF KIDNEY DISEASES*
  Fung, E., Anand, S., Bhalla, V.
  2016; 68 (4): 628-632
- **New perspective of ClC-Kb/2 Cl- channel physiology in the distal renal tubule** *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*
  Zaika, O., Tomilin, V., Mamenko, M., Bhalla, V., Pochynyuk, O.
  2016; 310 (10): P923-P930
- **Na+-sensitive elevation in blood pressure is ENaC independent in diet-induced obesity and insulin resistance** *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*
  Nizar, J. M., Dong, W., McClellan, R. B., Labarca, M., Zhou, Y., Wong, J., Goens, D. G., Zhao, M., Velarde, N., Bernstein, D., Pellizzon, M., Satlin, L. M., Bhalla, et al
  2016; 310 (9): F812-F820
- **Regulation of the Water Channel Aquaporin-2 via 14-3-3? and -?.** *journal of biological chemistry*
  Moeller, H. B., Slengerik-Hansen, J., Aroankins, T., Assentoft, M., MacAulay, N., Moestrup, S. K., Bhalla, V., Fenton, R. A.
  2016; 291 (5): 2469-2484
- **Regulation of the Water Channel Aquaporin-2 via 14-3-3 theta and-zeta** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Moeller, H. B., Slengerik-Hansen, J., Aroankins, T., Assentoft, M., MacAulay, N., Moestrup, S. K., Bhalla, V., Fenton, R. A.
  2016; 291 (5): 2469-2484
- **Harvest and primary culture of the murine aldosterone-sensitive distal nephron.** *American journal of physiology. Renal physiology*
  Labarca, M., Nizar, J. M., Walczak, E. M., Dong, W., Pao, A. C., Bhalla, V.
  2015; 308 (11): F1306-15
- **The missing link: studying the alternative TGF-ß pathway provides a unifying theory for different components of diabetic nephropathy.** *Diabetes*
  Zheng, X., Bhalla, V.
  2015; 64 (6): 1898-1900
- **Is there a sweet spot for Nrf2 activation in the treatment of diabetic kidney disease?** *Diabetes*
  Hall, E. T., Bhalla, V.
  2014; 63 (9): 2904-2905
- **Racial/Ethnic differences in the prevalence of proteinuric and nonproteinuric diabetic kidney disease.** *Diabetes care*
  Bhalla, V., Zhao, B., Azar, K. M., Wang, E. J., Choi, S., Wong, E. C., Fortmann, S. P., Palaniappan, L. P.
  2013; 36 (5): 1215-1221
- **A transcriptional blueprint for human and murine diabetic kidney disease.** *Diabetes*
  Bhalla, V., Velez, M., Chertow, G. M.
  2013; 62 (1): 31-33

- **Low-Level Lead Exposure and the Prevalence of Gout An Observational Study** *ANNALS OF INTERNAL MEDICINE*
  Krishnan, E., Lingala, B., Bhalla, V.
  2012; 157 (4): 233-?

- **Neural Precursor Cell-expressed Developmentally Down-regulated Protein 4-2 (Nedd4-2) Regulation by 14-3-3 Protein Binding at Canonical Serum and Glucocorticoid Kinase 1 (SGK1) Phosphorylation Sites** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Chandran, S., Li, H., Dong, W., Krasinska, K., Adams, C., Alexandrova, L., Chien, A., Hallows, K. R., Bhalla, V.
  2011; 286 (43): 37830-37840

- **In diabetic nephropathy, high doses of vitamin B decrease glomerular filtration rate and increase risk of the composite outcome of a vascular event or all-cause mortality compared with placebo.** *Evidence-based medicine*
  Bhalla, V.
  2011; 16 (1): 14-15

- **Renal sympathetic denervation in patients with treatment-resistant hypertension (The Symplicity HTN-2 Trial): a randomised controlled trial** *LANCET*
  Esler, M. D., Krum, H., Sobotka, P. A., Schlaich, M. P., Schmieder, R. E., Boehm, M., Mahfoud, F., Sievert, H., Wunderlich, N., Rump, L. C., Vonend, O., Uder, M., Lobo, et al
  2010; 376 (9756): 1903-1909

- **Phosphopeptide Screen Uncovers Novel Phosphorylation Sites of Nedd4-2 That Potentiate Its Inhibition of the Epithelial Na+ Channel** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Hallows, K. R., Bhalla, V., Oyster, N. M., Wijngaarden, M. A., Lee, J. K., Li, H., Chandran, S., Xia, X., Huang, Z., Chalkley, R. J., Burlingame, A. L., Pearce, D.
  2010; 285 (28): 21671-21678

- **Phosphopeptide Screen Uncovers JNK1 as a Potentiator of Nedd4-2-Mediated Epithelial Na plus Channel Inhibition**
  Bhalla, V., Oyster, N. M., Wijngaarden, M., Lee, J., Li, H., Xia, X., Huang, Z., Chalkley, R., Burlingame, A., Pearce, D., Hallows, K.
  FEDERATION AMER SOC EXP BIOL.2010

- **Lead poisoning from an Ayurvedic herbal medicine in a patient with chronic kidney disease** *NATURE REVIEWS NEPHROLOGY*
  Prakash, S., Hernandez, G. T., Dujaili, I., Bhalla, V.
  2009; 5 (5): 297-300

- **Melamine nephrotoxicity: an emerging epidemic in an era of globalization** *KIDNEY INTERNATIONAL*
  Bhalla, V., Grimm, P. C., Chertow, G. M., Pao, A. C.
  2009; 75 (8): 774-779

- **Mechanisms of ENaC regulation and clinical implications** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
  Bhalla, V., Hallows, K. R.
  2008; 19 (10): 1845-1854

- **NH2 terminus of serum and glucocorticoid-regulated kinase 1 binds to phosphoinositides and is essential for isoform-specific physiological functions** *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*
  Pao, A. C., McCormick, J. A., Li, H., Siu, J., Govaerts, C., Bhalla, V., Soundararajan, R., Pearce, D.
  2007; 292 (6): F1741-F1750

- **Disinhibitory pathways for control of sodium transport: regulation of ENaC by SGK1 and GILZ** *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*
  Bhalla, V., Soundararajan, R., Pao, A. C., Li, H., Pearce, D.
  2006; 291 (4): F714-F721

- **AMP-activated kinase inhibits the epithelial Na+ channel through functional regulation of the ubiquitin ligase Nedd4-2** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Bhalla, V., Oyster, N. M., Fitch, A. C., Wijngaarden, M. A., Neumann, D., Schlattner, U., Pearce, D., Hallows, K. R.
  2006; 281 (36): 26159-26169

- **Serum- and glucocorticoid-regulated kinase 1 regulates ubiquitin ligase neural precursor cell-expressed, developmentally down-regulated protein 4-2 by inducing interaction with 14-3-3** *MOLECULAR ENDOCRINOLOGY*
  Bhalla, V., Daidie, D., Li, H. Y., Pao, A. C., LaGrange, L. P., Wang, J., VANDEWALLE, A., Stockand, J. D., Staub, O., Pearce, D.
  2005; 19 (12): 3073-3084

- **SGK1: A rapid aldosterone-induced regulator of renal sodium reabsorption** *PHYSIOLOGY*
  McCormick, J. A., Bhalla, V., Pao, A. C., Pearce, D.
  2005; 20: 134-139
- **Recurrent and de novo diabetic nephropathy in renal allografts** *TRANSPLANTATION*
  Bhalla, V., Nast, C. C., Stollenwerk, N., Tran, S., Barba, L., Kamil, E. S., Danovitch, G., Adler, S. G.
  2003; 75 (1): 66-71