**I. David Weiner, M.D.**

C. Craig and Audrae Tisher Chair in Nephrology, Co-holder

Professor of Medicine and Physiology and Functional Genomics

Division of Nephrology, Hypertension and Transplantation

University of Florida College of Medicine

P.O. Box 100224

Gainesville, FL 32610-0224

(352) 273-5358

E-mail: David.Weiner@medicine.ufl.edu

# Academic Appointment:

Division of Nephrology, Hypertension and Transplantation

University of Florida College of Medicine

Gainesville, FL

C. Craig and Audrae Tisher Chair in Nephrology, Awarded 2008

Professor of Medicine and Physiology and Functional Genomics, July 1, 2005 to present

Associate Professor of Medicine and Physiology, 10/2/2000 to 6/30/2005

Interim Clinical Chief, June 27, 2000 to February 28, 2001

Associate Professor of Medicine, 7/1/1995 to 10/2/2000

Assistant Professor of Medicine, 8/1/1990 to 6/30/1995

North Florida/South Georgia Veterans Health System, Gainesville, FL

Chief, Nephrology and Hypertension Section, 7/1/2004 to present

Interim Chief, Nephrology and Hypertension Section, 6/1/2002 to 6/30/2004, and 7/1/1995 to 12/31/1995

Staff Physician, August 1, 1990 to present

# Date of Birth:

August 2, 1959

# Marital Status:

Married: Evangeline M. Weiner

Children: Arthur Joseph Weiner (6/13/88), Alison Esther Weiner (5/21/90)

# Education:

Vanderbilt University, College of Arts and Sciences, Nashville, TN, B.S., summa cum laude, Mathematics, Computer Science, May 1980.

Vanderbilt University School of Medicine, Nashville, TN, M.D., May 1984.

# Post-Doctoral Training:

Internal Medicine, University of Texas Health Science Center at San Antonio, 7/1/84-6/30/87.

Nephrology, Barnes Hospital and Washington University School of Medicine, St. Louis, MO., 7/1/87 - 6/30/90.

# Honors, Awards and Scholarships:

2019 Moderator, Bodil Schmidt-Nielsen 100 Year Symposium, Orlando, FL

2018 Fellow, American Society of Nephrology

2017 Moderator, Urinary Concentration and Acidification Session, 2017 Annual Meeting of the American Society of Nephrology, New Orleans, LA

2017-20 University of Florida Term Professorship Award

2016 University of Florida Department of Medicine Excellence in Teaching Award

2015 University of Florida Department of Medicine Excellence in Teaching Award

2014 University of Florida College of Medicine Exemplary Teacher Award

2013 Juha Kokko, M.D., Lecturer, Emory University, Atlanta, GA.

2012 Invited Symposium Speaker, American Society of Nephrology, San Diego, CA

2012 Invited Symposium Speaker, Australia-New Zealand Society of Nephrology Annual Meeting, Auckland, NZ

2012 Invited Symposium Speaker, Gas Channel Symposium, Case Western Reserve University and Office of Naval Research, Cleveland OH

2012 Excellence in Teaching (Medical Students), University of Florida Department of Medicine

2012-15 University of Florida Research Foundation Professor

2011 Excellence in Teaching (Medical Students), University of Florida Department of Medicine

2011 Invited Symposium Speaker, International Society of Nephrology, Vancouver, Canada

2011 Invited Symposium Speaker, Experimental Biology 2011, Washington, DC

2010 Invited Symposium Speaker, American Society of Nephrology, Denver, CO

2010 Excellence in Teaching (Medical Students), University of Florida Department of Medicine

2009 Chair, Cell and Transport Physiology: Organic Solutes/Osmolytes/Renal Metabolism Abstract Review Committee, 2009 ASN Annual Meeting

2009 Experimental Biology 2009, Chair, Regulation of ion transport session

2008 C. Craig and Audrey Tisher Chair in Nephrology

2008 Symposium Chair, Queenstown Molecular Biology Meeting, Queenstown, New Zealand

2008 Excellence in Teaching (Medical Students), University of Florida Department of Medicine

2007-10 University of Florida Research Foundation Professor

2006 Master Clinician Program, University of Florida College of Medicine, Department of Medicine

2006 Faculty of 1000 – Medicine

2006 Symposium Chair, Experimental Biology 2006, “New insights into ammonia transport”

2003 Exemplary Teacher Award, University of Florida College of Medicine

2003 Symposium Chair, Experimental Biology 2003, “New Roles for Ammonia in Ion Transport”

1998 American Physiological Society, election to membership

1997 Southern Society for Clinical Investigation, election to membership

1996 Supervisor for Alexandra E. Weill, recipient of the University of Florida Albert E. King Award for Distinguished Research

1993 American Society of Nephrology Young Investigator Award of the National Kidney Foundation

1990 American Heart Association Clinician-Scientist Award

1980 Phi Beta Kappa

1980 *summa cum laude*, Vanderbilt University, College of Arts and Sciences

1976 National Merit Scholarship Finalist

# Licensure and Certification:

 Florida, License #50513.

Diplomate in Nephrology, American Board of Internal Medicine, valid through 12/31/2021.

 Diplomate, American Board of Internal Medicine, 1987.

# Societies and Organizations:

American Society of Nephrology

American Physiological Society

International Society of Nephrology

National Kidney Foundation

American Heart Association, Council on the Kidney

American Federation for Medical Research

American Association for the Advancement of Science

International Society for Optical Engineering

# Review Boards and Other Scientific Activities

VA Research Career Scientist Award Committee (ZRD1 RCSR-K(01)): 2016 - Present.

Austrian Science Foundation, 2020.

March of Dimes Novel Discovery LOI panel, 2019

NIH ZRG1 DKUS-P (04), Co-chairperson, June 2017

ASN Abstract Reviewer, 2017 Annual Meeting.

VA Barnwell and Middleton Award Committee (ZRD1 BARN-A(01)): 2016, 2018.

NIH Center for Scientific Review Comparison Pilot program. 2015.

ASN Abstract Review Chair, Fluid and electrolyte transport. 2015.

Member, AHRQ Evidence-based Practice Center Program for Management of Renal Artery Stenosis

Beta tester for ABIM medical knowledge self-assessment products, 2014 Update in Nephrology self-evaluation module

NIH CMBK/KMBD Study Section, Permanent Member, October 2010 – 2014.

Environmental Protection Agency Science Advisory Board Chemical Assessment Advisory Committee Augmented for the review of EPA’s IRISToxicological Assessment for Ammonia. 2014.

Technical expert panel workgroup, “Maintenance and development of medication measures, HHSM-500-2011-FL10C, funded by Centers for Medicare and Medicaid Services), 2012 – 2015

VA Research Career Scientist Review Board, ad hoc member, 2013.

ASN Annual Meeting Abstract Reviewer, 2013.

World Congress of Nephrology, Reviewer, Acid Base and Electrolyte Abnormalities, Protein and Cellular Physiology. 2013.

VA Career Development Study Section, Member, 2009 - 2012

Chairperson, VA Merit Review Subcommittee in Nephrology, 2003 - 2005

 Member, VA Merit Review Subcommittee in Nephrology, 2001 - 2005

 NIH CMBK Study Section, *ad hoc* member, October 2008

NIH GMB Special Study Section Study Section Member, 2003

 NIH GMB Study Section, *ad hoc* reviewer, June 2001

 NIH UKGD Study Section, 2007

NICHD (National Institute of Child Health and Human Development) Special Emphasis Panel, October 2012.

Moderator, Topics in Internal Medicine – Nephrology, Department of Medicine, University of Florida College of Medicine, 2009, 2010.

Co-chair, ASN Renal Weekend 2008, Orlando, FL.

Co-chair, Kidney-Heart Connection, American Heart Association Annual Meeting, 2007.

Abstract Reviewer, American Society of Nephrology annual meeting, 1991, 1999, 2004, 2006.

Abstract Reviewer, American Heart Association annual meetings, 2001- 2007

Consultant, Asia Pacific Scientific Forum of the American Heart Association, 2001-2

Member, Fenoldopam Ad Hoc Committee, Shands Hospital, 1999 - 2002

Abstract Reviewer, Southern Section of American Federation for Clinical Research, 1992

Medical Advisory Board, National Kidney Foundation of Florida

Editorial Board, *American Journal of Physiology - Renal Physiology*, 2001 – 2014

Guest Referee, *Nature*

Guest Referee, *Journal of Clinical Investigation*

Guest Referee, *American Journal of Medicine*

Guest Referee, *American Journal of Physiology: Renal Physiology*

Guest Referee, *American Journal of Physiology: Gastrointestinal and Liver Physiology*

Guest Referee, *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology*

Guest Referee, *Cellular Physiology and Biochemistry*

Guest Referee, *Current Enzyme Inhibition*

Guest Referee, *Journal of the American Society of Nephrology*

Guest Referee, *Kidney International*

Guest Referee, *The Journal of Membrane Biology*

Guest Referee, *The Journal of Laboratory and Clinical Medicine*

Guest Referee, *Clinical Science*

Guest Referee, *In Vitro Cellular & Developmental Biology*

Guest Referee, *Cellular and Molecular Life Sciences*

Guest Referee, *Journal of Applied Physiology*

Guest Referee, *Journal of Biological Chemistry*

Guest Referee, *Experimental and Molecular Pathology*

Guest Referee, *Public Library of Science – Nephrology*

Guest Referee, *Kidney International*

Guest Referee, *Lupus*

Guest Referee, *Scientific Reports*

# Committees

Executive Secretary, Southern Salt, Water and Kidney Club, 2012 – present.

Co-Director, Kidney and Urology Course, University of Florida College of Medicine Pre-Clinical (MS1-2) Program, 2013 – 2017.

Chairperson, Pharmacy and Therapeutics Committee, Shands Teaching Hospital, 2011 - 2015; member 2002 – 2015.

Physician Advisory Council, University of Florida Department of Medicine, 2011 - present.

Chairperson, University of Florida Department of Medicine Mentoring Award Selection Committee, 2009-2014.

UF & Shands, Information Technology Clinical Mission Advisory Committee, 2011 - present.

Clinical Advisory Committee, Shands Hospital at University of Florida, 2010 - present.

American Physiological Society Epithelial Transport Group Steering Committee, 2008 – 2013.

American Physiological Society Joint Program Committee, Renal Section Representative, 2009 – 2012.

American Physiological Society Renal Section Steering Committee, 2009 – 2012.

Research Advisory Committee, Department of Medicine, University of Florida College of Medicine, 2008 – Present.

Master Clinician Program, Department of Medicine, University of Florida College of Medicine, 2006 – 2011.

Medical Education Committee, Department of Medicine, University of Florida College of Medicine, 2006 - 2014.

University of Florida College of Medicine LCME Self-Study Task Force, April 2006 – August 2006.

Clinical Affairs Advisory Committee, Department of Medicine, University of Florida College of Medicine, 2005 - Present

Medical Student Admissions Committee, University of Florida College of Medicine, 2002 - 2008

Director, Introduction to Clinical Medicine - Nephrology, July 1, 1998 to 2012

Director, Integrated acid-base physiology, MS1 Physiology, January 1, 2000 to 2012

Medical Director, Gainesville VAMC Hemodialysis Unit, May 1, 1998 to present

Nephrology fellowship program chairman, July 1, 1996 to February 28, 2001

Preventable Adverse Drug Effects - Nephrotoxicity, Shands Teaching Hospital 2000 - 2002.

University of Florida IAIMS task force planning committee - 1998

Gainesville VAMC clinic operations task force - 1998 to 1999

# Research Funding (as PI or Co-PI, grants as co-investigator or collaborator not listed):

## Current

Molecular mechanisms regulating ammonia metabolism. NIH R01-107798. Dec 15, 2015 - November 30, 2020. Annual direct costs: $225,000.

Mechanisms of Malnutrition in Cirrhosis with Portosystemic Shunting. NIH R01 GM119174. Dates: September 1, 2016 - August 31, 2021. Annual direct costs (requested): $250,000. Sub-award PI, 5% overall effort, 14% university effort.

## Pending

Molecular mechanisms regulating ammonia metabolism. NIH R01. 12/1/2020-11/30/2015. $250,000 per year direct costs.

New roles of renal ammonia metabolism. NIH R01. 9/1/2020 - 8/31/2025. $250,000 per year direct costs.

## Past

H/HCO3 transport in the collecting duct. NIH R01-DK45788-18. Dates: June 1, 2014 – March 31, 2019. Annual direct costs: $217,500.

Molecular mechanisms of ammonia metabolism. Department of Veterans Affairs Merit Review - 1I01BX000818-01. 7/1/2011 - 12/31/2015. Annual direct costs (exclusive of PI salary): $150,000.

H/HCO3 transport in the collecting duct. NIH R01-DK4578814. Dates: June 1, 2009 – May 31, 2014. Annual direct costs: $213,000.

H/HCO3 transport in the collecting duct. NIH R56DK045788-13. Dates: June 1, 2008 - January 31, 2009. Total direct costs: $147,500.

Regulation of H/HCO3 transport by the collecting duct. Department of Veterans Affairs Merit Review Grant. Dates: 10/1/08 – 9/30/12 – funding declined because of overlap with NIH R01-KD45788-13.

H/HCO3 transport in the collecting duct. NIH R01-DK45788. Dates: August 1, 2003 - May 31, 2008. Total direct costs: $800,000.

Expression of ammonia-sensitive proteins in the CNS. NIH 1R21-NS-047624. Dates: December 1, 2003 - November 30, 2006. Total direct costs: $250,000.

Regulation of H and HCO3 transport in the collecting duct, Department of Veterans Affairs Merit Review Grant, Period 10/1/2000 - 9/30/2004. Principal Investigator: I. David Weiner, M.D. Total direct costs: $276,282.

H/HCO3 transport in the collecting duct, NIH R01 DK-45788-09. PI: I. David Weiner, M.D., Dates: 8/1/2000 - 7/31/2003. Total funded direct costs: $451,500.

Ion transport by mammalian ammonium transporter proteins, American Heart Association, Florida Affiliate (0355172B). PI: I. David Weiner, M.D., Dates: 7/1/2003 - 6/30/2005. Total direct costs: $109,090. Declined effective 8/1/2003 because of funding of R01-DK45788.

Effect of ammonia on IMCD H-K-ATPase, American Heart Association, Florida Affiliate, Grant-in-aid. Principal Investigator: I. David Weiner, M.D. Period 7/1/2000 - 6/30-2002. Total direct costs: $109,010.

Evaluation of the pharmacokinetics, pharmacodynamics, and protein binding characteristics of SB 237376 following administration. Co-PI: I. David Weiner, M.D. Period 3/14/2000 - 3/7/2001. Total direct costs: $53,688

Phase II Study to Evaluate the Safety and Pharmacokinetics of Angiomark in Subjects with Varying Degrees of Renal Insufficiency. Co-PI: I. David Weiner, M.D. Period: 5/1/2000 - 4/30/2001. Total direct costs: $238,606.

A phase III dose titration randomized double-blind placebo-controlled study to assess efficacy and safety of lanthanum carbonate. PI: I. David Weiner, M.D. Period 9/28/1999 - 5/31/2001. Total direct costs: $54,063

Regulation of CCD function by Angiotensin II. National Kidney Foundation of Florida Todd Bell and Matthew Plodinec Research Grants. Sponsorship of Prakash Prabhu, M.D. for research training in nephrology. Sponsor: I. David Weiner, M.D. Dates: 7/1/95 - 6/30/96. Total direct costs: $25,000.

Regulation of H+ and HCO3- transport in the cortical collecting duct. Department of Veterans Affairs Merit Review Grant. PI: I. David Weiner, M.D. Dates: 10/1/93 - 9/30/97. Total direct costs: $197,000.

H/HCO3 transport by the collecting duct. NIH R29-DK45788-01. PI: I. David Weiner, M.D. Dates of funding: 8/1/93-7/31/98. Total direct costs: $350,000

Role of angiotensin in the regulation of intercalated cell function in the kidney. American Heart Association, Florida Affiliate, Grant-In-Aid. PI: C. Craig Tisher, M.D., Co-PI: I. David Weiner, M.D. Dates: 7/1/94-6/30/96. Total Direct Costs: $80,000.

Regulation of H+ and HCO3- transport in the rabbit cortical collecting duct. American Society of Nephrology Young Investigator Grant of the National Kidney Foundation. PI: I. David Weiner, M.D. Dates of funding: 4/1/93 - 3/30/95. Total direct costs: $40,000.

Regulation of intracellular pH in the collecting duct. American Heart Association Clinician-Scientist Award. PI: I. David Weiner, M.D. Dates of funding: 7/1/90 - 6/30/95. Total direct costs: $194,000.

Intracellular pH regulation in the collecting tubule. Department of Veterans Affairs, Research Advisory Group grant. PI: I. David Weiner, M.D. Dates of funding: 10/1/90-6/30/92. Total direct costs: $63,300.

University of Florida, Division of Sponsored Research, New Faculty Award. PI: I. David Weiner, M.D. Dates of funding: 10/14/90 - 10/13/91. Total direct costs: $10,472.

# Invited Talks

Session chair, “Bodil Schmidt-Nielsen 100 year Symposium. Orlando Florida. April 10, 2019

Advances in the understanding and treatment of metabolic acidosis. Updates in Nephrology 2019. UF Health–Jacksonville. April 6, 2019.

Questions that patients with CKD ask their PCP. Updates in Nephrology 2018. UF Health–Jacksonville. April 7, 2018.

New insights into the evaluation and management of primary aldosteronism. Renal Grand Rounds, University of Florida College of Medicine, September 29, 2017.

Rhesus glycoproteins transport the gas molecule, NH₃, in the kidney. Ewha Womans University, Seoul, South Korea, May 29, 2017.

New findings in ammonia metabolism. Catholic University, Seoul, Korea, May 22, 2017.

Updates in ammonia transport. Korean Society of Nephrology, Plenary Lecture, May 20, 2017, Seoul, Korea.

Management of refractory hypertension for the primary care physician. Update in Nephrology and Hypertension; UF Health – Jacksonville. April 22, 2017.

Advances in understanding of acute kidney injury for the outpatient primary care physician; Topics in Internal Medicine 2016; University of Florida College of Medicine; September 23, 2016.

Ammonia and Urea Metabolism and Their Interactions with Salt and Water Balance, American Society of Nephrology Annual Meeting. November 5, 2015.

Why management of metabolic acidosis matters in CKD, 45th Annual Topics in Internal Medicine, University of Florida College of Medicine, 2014.

Membrane Proteins Transport Gas Molecules: Lessons Learned from Studying Ammonia Transport. Department of Physiology, Emory University, GA, May 23, 2013.

Specific proteins transport the performance enhancing drug, ammonia gas, in the kidney. Juha Kokko Lecture in Nephrology, Emory University, Atlanta, GA, May 21, 2013.

New Thoughts about Acid-base Management; It’s more than making the patient “Euboxic,” Medical Grand Rounds, Emory University, Atlanta, GA, May 21, 2013.

Role of Rh Glycoproteins in Ammonia/Ammonium Transport, Urinary ammonia-ammonium: not your ordinary buffer, American Society of Nephrology Annual Meeting, San Diego, CA, November 4, 2012.

Gas transport in the kidney, Australia-New Zealand Society of Nephrology Annual Meeting, Auckland, New Zealand, August 27, 2012

Updates in acid-base, Nephrology update course, Australia-New Zealand Society of Nephrology Annual Meeting, Auckland, New Zealand, August, 26, 2012

Chair, Mechanisms of blood pressure regulation symposium. Experimental Biology 2012. San Diego, CA.

Primary aldosteronism: more common than realized. Orlando Regional Medical Center, Medical Grand Rounds, January 12, 2012.

Rh glycoproteins: ammonia gas channels, Invited Symposium Speaker, Experimental Biology 2011, April 11, 2011.

Rhesus Proteins and renal ammonia Transport, Invited Symposium Speaker, International Congress of Nephrology, April 9, 2011

Updates in Clinical Nephrology. Orlando Regional Medical Center, Medical Grand Rounds, January 13, 2011.

Ammonia Channels: new Functions for Rh Proteins. Invited Speaker, American Society of Nephrology Annual Meeting, Denver, CO, November 21, 2010.

Updates in clinical care of the diabetic patient with kidney disease. 17th Annual Halifax Health Diabetes Conference, Daytona Beach, FL, July 17, 2010.

Nephrology Board Review for Family Practice. Educational Testing Systems, Orlando, FL, June 28, 2010.

Recent updates in clinical nephrology. Topics in Internal Medicine, University of Florida College of Medicine, March 5, 2010.

Renal artery stenosis – routine angioplasty with stenting, what is the data? Topics in Internal Medicine, University of Florida College of Medicine, March 20, 2009.

Molecular mechanisms of ammonia metabolism. Visiting Professor, Tulane University, February 2009.

Updates in ammonia metabolism: new insights in a new century. Invited speaker, Queenstown Molecular Biology, Queenstown, New Zealand, August 2008.

Co-chair, American Society of Nephrology Renal Weekend, March 2008.

Updates in Autosomal Dominant Polycystic Kidney Disease, Topics in Internal Medicine, University of Florida College of Medicine, March 7, 2008.

Molecular mechanisms and regulation of ammonia transport by Rh glycoproteins. Department of Physiology, Emory University, October 25, 2007.

Life is a struggle – lessons from H. L. Mencken. Renal Division, Emory University, Atlanta, GA, October 23, 2007.

The epidemic of chronic kidney disease. Florida Chapter of American College of Physicians Annual Meeting. Tampa, FL, September 28, 2006.

Expression of the non-erythroid Rh glycoproteins in mammalian tissues. International Conference on Rh protein Superfamily. Paris, France, May 5, 2006.

Ammonium vs CO2 transport – panel discussion. International Conference on Rh protein Superfamily. Paris, France, May 5, 2006.

Animal models for understanding the biological function of Rh protein superfamily. Co-chairperson. International Conference on Rh protein Superfamily. Paris, France, May 5, 2006.

Expression of Rh glycoproteins in mammalian tissue. Invited symposium, New insights in ammonia transport. Experimental Biology 2006, San Francisco, CA. April 2, 2006.

New insights into ammonia transport. Co-chair, Experimental Biology 2006, San Francisco, CA. April 2, 2006

Chronic kidney disease management and the primary care physicians. Primary Care Management, Geriatric Research, Education and Clinical Center (GRECC), Department of Veterans Affairs, Gainesville, Florida, February 7, 2006.

Primary hyperaldosteronism: new insights into an “old” disease. Medical Grand Rounds, University of Florida College of Medicine, December 15, 2005.

Renal artery stenosis - controversies in management, Medical Grand Rounds, University of Florida College of Medicine, June 9, 2005.

New aspects of ammonia metabolism in health and disease, Invited Professor, Emory University Renal Division, Atlanta, GA, May 31, 2005.

Ischemic Nephropathy: Is “drive-by” angiography the answer? American Society of Hypertension Annual Meeting, San Francisco, CA. May 17, 2005.

Renovascular Disease: Who and When to Treat. Nephrology: a case based approach for nephrologists. Harvard University and Brigham and Women’s Hospital CME Program, Naples, FL. February 24, 2005.

Should Renal Vascular Stents/Surgery or Only Medication be Routinely Offered to Patients with Renal Artery Stenosis? Invited Speaker, American Society of Nephrology 2004 Annual Meeting - Renal Week. October 28, 2004.

A new view of edema formation. Topics in Internal Medicine, University of Florida College of Medicine. March 26, 2004.

Visiting Professor, “A new view of ammonia/ammonium transport in the kidney and in extra-renal tissues.” University of Texas Health Science Center at San Antonio, San Antonio, Texas, December 8, 2003.

Should Screening Renal Angiography be Performed in All Patients Undergoing Cardiac Catheterization?: Con. Renal Artery Stenosis Symposium, American Heart Association 2003 Annual Meeting, Orlando, FL, 2003.

Localization of Rh Glycoproteins, a New Family of Ammonium Transporters. New Insights into Acid-base Physiology Symposium, American Society of Nephrology 2003 Annual Meeting, San Diego, CA, 2003.

Management of chronic kidney disease - It's not the 1980's anymore. Florida Chapter of the American College of Physicians Annual Meeting, St. Petersburg, FL, 2003.

Mammalian expression of the ammonium transporters, RhBG and RhCG. Experimental Biology 2003, San Diego, CA, 2003.

Symposium Organizer and Co-Chair: New roles for ammonia in renal ion transport. Experimental Biology 2003, San Diego, CA, 2003.

Updates in Nephrology, Preparation for Recertification in Internal Medicine, ACP-ASIM, Orlando, FL, 2003.

Preparation for Recertification in Internal Medicine - Nephrology, American College of Physicians - American Society of Internal Medicine, Orlando, FL, 2002.

Role of ammonia as an intra-renal signaling molecule, Emory University, Atlanta, GA, 2001.

Effects of ammonia on CCD bicarbonate transport, University of Miami Division of Nephrology, Miami, FL, 2001.

Evaluation and Management of Hematuria, Updates in Internal Medicine, University of Florida College of Medicine, 2001.

The renal mediation of metabolic alkalosis and the effects of hypokalemia, Plenary Speaker, American Society of Clinical Veterinary Pathology annual meeting, Amelia Island, FL, 2000.

Treatment of refractory hypertension in the elderly, Cardiovascular Disease in the Elderly: Primary Care Management, Sponsored by: University Of Florida College Of Medicine, in cooperation with, Geriatric Research, Education and Clinical Center (GRECC), Department of Veterans Affairs, Gainesville, FL and Geriatric Education Center, University of Florida, Gainesville, FL, 2000.

Updates in Nephrology, Updates in Internal Medicine, American College of Physicians, Orlando, FL, 2000.

Diagnosis and Treatment of Hyponatremia, Topics in Internal Medicine, University of Florida, Gainesville, FL, 2000.

Moderator, “Cellular mechanisms of acid-base regulation,” 32nd Annual Meeting of the American Society of Nephrology, Miami, FL, 1999.

New concepts in the treatment of acute renal failure, Mayo Clinic Foundation, Rochester, MN, 1999.

Lessons in clinical medicine learned from the collecting duct, Mayo Clinic Foundation, Rochester, MN, 1999.

Use of quantitative fluorescent microscopy to assess ion transport, Southeastern Microscopy Society 1999 meeting, Gainesville, FL, 1999.

The Kidney: Nature’s Magnificent Filter, Frontiers of Science, University of Florida, 1998.

Regulation of intracellular pH in the cortical collecting duct A-type intercalated cell, American Society of Nephrology 1996 Annual Meeting, New Orleans, LA, 1996.

Professor-in-residence, Orlando Regional Medical Center, Orlando, FL, Topics: Evaluation and Management of primary hyperaldosteronism; Autosomal dominant polycystic kidney disease, a systemic disorder; Board review in nephrology. 1996.

Medical Management of Kidney Stones, Mercy Memorial Medical Center Spring CME Seminar, Benton Harbor, MI, 1991.

# Publications

1. Weiner ID, Hamm LL. Use of fluorescent dye BCECF to measure intracellular pH in rabbit cortical collecting tubule. *Am J Physiol: Renal* 256: F957-F964, 1989.
2. Vehaskari VM, Hering-Smith KS, Moskowitz DW, Weiner ID, Hamm LL. Effect of epidermal growth factor on sodium transport in the cortical collecting tubule. *Am J Physiol: Renal 256:* F803-F809, 1989.
3. Weiner ID, Northcutt AD. Leprosy and glomerulonephritis: case report and review of the literature. *Am J Kid Ds* 13: 424-429, 1989.
4. Weiner ID, Hamm LL. Intracellular pH regulation in the rabbit cortical collecting tubule. *J Clin Invest* 85: 274-281, 1990.
5. Hering-Smith KS, Cragoe EJ Jr, **Weiner D**, Hamm LL. Inner medullary collecting duct Na+-H+ Exchanger. *Am J Physiol (Cell Physiol.)* 260:C1300-1307, 1991.
6. Hamm LL, Weiner ID, Vehaskari VM. Structural-functional characteristics of acid-base transport in the rabbit collecting duct. *Semin Nephrol* 11:453-464, 1991.
7. Weiner ID, Hamm LL. Regulation of Cl-/HCO3- exchange in the rabbit cortical collecting tubule. *J Clin Invest* 85: 1553-1558, 1991.
8. **Weiner ID**, Wingo CS, Hamm LL. Regulation of intracellular pH in two cell populations of inner stripe of rabbit outer medullary collecting duct. *Am J Physiol: Renal 265:* F406-F415, 1993.
9. Weill AE, Tisher CC, Conde MF, **Weiner ID**. Mechanisms of bicarbonate transport by cultured rabbit inner medullary collecting duct cells. *Am J Physiol: Renal* 266:F466-F476, 1994.
10. **Weiner ID**, AE Weill and AR New. Distribution of Cl-/HCO3- exchange and intercalated cells in the rabbit cortical collecting duct. *Am J Physiol: Renal* 267: F952-F964, 1994.
11. **Weiner ID**, AR New, AE Milton and CC Tisher. Regulation of luminal alkalinization and acidification in the cortical collecting duct by angiotensin II. *Am J Physiol: Renal* 269:F730-F738, 1995.
12. **Weiner ID**, AE Milton. H+-K+-ATPase in rabbit cortical collecting duct B-type intercalated cell. *Am J Physiol: Renal* 270:F518-F530, 1996.
13. Hamm LL, KS Hering-Smith, **ID Weiner**. Optical studies of intracellular pH in kidney epithelial cells *in vitro*. *International Rev. Exp. Pathol.* 36: 161-175, 1996.
14. Milton AE, **ID Weiner**. Intracellular pH regulation in the rabbit cortical collecting duct A-type intercalated cell. *Am J Physiol: Renal* 273: F340-F347, 1997.
15. **ID Weiner**, CS Wingo. Hypokalemia - consequences, causes and correction. *J Am Soc Nephrol* 8:1179-1188, 1997.
16. Donahue JL, **ID Weiner** and DT Lowenthal. Nocturia, aging, benign prostatic hypertrophy, and nocturnal vasopressin: a case report. *Geriatric Nephrology and Urology* 7: 111-117, 1997.
17. Milton AE, **ID Weiner**. Regulation of B-type intercalated cell apical Cl/base exchange activity by CO2/HCO3-. *Am J Phys: Renal* 274: F1086-F1094, 1998.
18. **ID Weiner,** CS Wingo. Hyperkalemia: a potential silent killer. *J Am Soc Nephrol* 9:1535-1543, 1998.
19. Campbell WG, **ID Weiner**, CS Wingo, and BD Cain. H,K-ATPase in the RCCT-28A rabbit cortical collecting duct cell line. *Am J Physiol: Renal* 276:F237-F245, 1999.
20. **ID Weiner**, AE Frank and CS Wingo. Apical proton secretion by the inner stripe of the outer medullary collecting duct. *Am J Phys: Renal* 276: F606-F613, 1999.
21. A Gabrielli, L Caruso, **ID Weiner** and JM Crabtree. Postoperative acute renal failure secondary to rhabdomyolysis from exaggerated lithotomy position. *J Clin Anesthesia* 11:257-263, 1999.
22. Frank AE, CS Wingo and **ID Weiner**. Effects of ammonia on bicarbonate transport in the cortical collecting duct. *Am J Physiol Renal Physiol.* 278: F219-F226, 2000.
23. Frank AE, **ID Weiner**. Effects of ammonia on acid-base transport by the B-type intercalated cell. *Journal of the American Society of Nephrology* 12:1607-14, 2001.
24. AE Frank, CS Wingo, PM Andrews, S Ageloff, MA Knepper and **ID Weiner**. Mechanisms through which ammonia regulates cortical collecting duct net proton secretion. *Am J Physiol Renal Physiol.* 282(6):F1120-8, 2002.
25. Leung JC, BR Travis, JW Verlander, SK Sandhu, S-G Yang, AH Zea, **ID Weiner** and DM Silverstein. Expression, localization and developmental regulation of the *N*-methyl-D-aspartate receptor subunits in the kidney and cardiovascular system. *Am J Physiol Regulatory, Integrative and Comparative Physiology* 283(4):R964-71, 2002.
26. Verlander JW, RT Miller, AE Frank, IE Royaux, YH Kim, **ID Weiner**. Localization of the ammonium transporter proteins, Rh B Glycoprotein and Rh C Glycoprotein, in the mouse kidney. *Am J Physiol Renal Physiol* 284:F323-37, 2003.
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