

## CURRICULUM VITAE

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**NAME****Xiaobin Han, MD, PhD, MBA****OFFICE ADDRESS**

University of Tennessee Health Science Center,  
Department of Medicine  
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**EDUCATION**

1980-1985	Harbin Medical University Harbin, China M.D.
1985-1988	Chinese Academy of Medicine Beijing, China M.S. in Infant Nutrition
1985-1991	Chinese Academy of Preventive Medicine (Now, Chinese Center for Disease Control, CCDC) Beijing, China Ph.D. in Biochemical Nutrition
2004-2006	College of Business and Public Affairs at University of Tennessee – Martin, Tennessee Master of Business Administration
2008-2009	College of Graduate Health Sciences University of Tennessee Health Science Center Certificate of Clinical Research Program

**MEDICAL SCHOOL TRAINING**

1983	Intern - Pediatrics Qiqihaer City Hospital Qiqihaer, China
1984	Intern - Preventive Medicine

Harbin Center for Disease Control

**MEDICAL SCHOOL FELLOWSHIPS**

1990	Tianjin Medical College Tianjin, China Dr. Zhiling Pang
1992	University of California San Francisco, San Francisco, CA Dr. Martin Spencer
1992	University of Tennessee Health Science Center Memphis, Tennessee Dr. Russell W. Chesney

**ACADEMIC POSITIONS**

1991-1992	Assistant Member Academy of Preventive Medicine Beijing, China.
1995-1997	Research Associate University of Tennessee Health Science Center Memphis, Tennessee
1997-2001	Instructor University of Tennessee Health Science Center Memphis, Tennessee
2001-present	Assistant Professor University of Tennessee Health Science Center Memphis, Tennessee

**SOCIETIES**

1987	Chinese Society of Nutrition
1989	Chinese Society of Pediatrics
1997	American Society of Nephrology

## **AWARDS**

1990	National Young Scientists Award Department of Health, China
1994	Research Trainee Travel Award Southern Society for Pediatric Research
1995	Research Trainee Travel Award Southern Society for Pediatric Research
2000	Bea Gerber Award, Le Bonheur Club

## **COMMITTEE – DEPARTMENT**

2006	Department of Pediatrics Animal Steering Committee
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## **VISITING PROFESSORSHIPS**

2004	Institute of Food Nutrition and Safety, CCDC Beijing, China
2007	Shanghai People's Hospital Shanghai, China
2011	Shenyang Agriculture University Shenyang, China
2011	Harbin Medical University Harbin, China

## **JOURNAL REVIEWER**

*Amino Acids*  
*Journal of the American Society of Nephrology*  
*Kidney International*  
*Pediatric Nephrology*

## **GRANTS: PREVIOUS SUPPORT**

1988 - 1991	Effect of taurine on brain development Natural Science Foundation of China Principal Investigator
1990 - 1992	Effect of taurine on the proliferation, differentiation and degeneration of human neuron cells <i>in vitro</i> . Natural Science Foundation of China Principal Investigator
1996 - 1997	Cloning and regulating the LLC-PK1 cell taurine transporter Le Bonheur Children's Medical Center Research Grant
1999 - 2000	Regulation of <i>TauT</i> by <i>WT1</i> and <i>p53</i> tumor suppressor genes Crippled Children's Foundation Principal Investigator
2000 - 2001	Taurine in renal development Le Bonheur Children's Medical Center Principal Investigator
1999 - 2000	Regulation of <i>TauT</i> by <i>p53</i> Le Bonheur Club Bea Gerber Grant Principal Investigator
2001 - 2002	Role of <i>TauT</i> in Fas-induced apoptosis Le Bonheur Children's Medical Center Principal Investigator
2004 - 2005	Role of <i>TauT</i> in cisplatin-induced nephrotoxicity National Kidney Foundation Principal Investigator
2007 - 2008	Role of <i>TauT</i> in protecting the kidney from cisplatin-induced acute injuries Le Bonheur Children's Medical Center Principal Investigator

## **DEPARTMENTAL SERVICES**

1994 - 1995	Supervisor, Department of Pediatrics Postdoctoral Fellows in Nephrology University of Tennessee Health Science Center Memphis, Tennessee
1996 - 1997	Supervisor, Department of Pediatrics Summer student University of Tennessee Health Science Center Memphis, Tennessee
2001-2013	Supervisor, Department of Pediatrics Postdoctoral Fellows in Nephrology University of Tennessee Health Science Center Memphis, Tennessee

## **NATIONAL HONORS**

1994	Speaker Southern Society of Pediatric Research New Orleans, Louisiana
1995	Speaker Southern Society of Pediatric Research New Orleans, Louisiana
1998	Speaker American Society of Nephrology Washington, D.C.

## **INTERNATIONAL HONORS**

1993	Speaker Taurine in Health and Disease International Symposium Cologne, Germany
1997	Speaker International Taurine Symposium Tucson, Arizona

1999	Invited Speaker International Taurine Symposium Sienna, Italy
2002	Invited Speaker International Taurine Symposium Hawaii, USA
2004	Invited Speaker International Taurine Symposium Tampere, Finland
2007	Invited Speaker International Taurine Symposium Shimoda, Japan
2009	Invited Speaker The 17 <sup>th</sup> Taurine Meeting, Miami, Florida, USA
2011	Invited Speaker The 4 <sup>th</sup> PepCon-2011, Beijing, China
2011	Invited Speaker The 11 <sup>th</sup> Congress on Amino Acids, Peptides, and Proteins Beijing, China

### **PUBLICATIONS (BOOK CHAPTERS)**

1. **Han X**, and Chesney RW: Expression of taurine transporter and its regulation by diet in *Xenopus laevis* oocytes following injection of rat kidney cortex mRNA. In Huxtable R, Michalk D (eds) *Taurine in Health and Disease*, Plenum Publishing, Corp., New York, 1994, pp 121-130.
2. Chesney RW, **Han X**, Budreau AM and Jones DP: Regulation of expression of taurine transport in two continuous renal epithelial cell lines and inhibition of taurine transporter by a site-directed antibody. In Huxtable R, Azuma J, Kuriyama K, Nakagawa M, Baba A (eds) *Taurine 2. Basic and Clinical Aspects*, Plenum Press, New York, 1996, pp 173-191
3. **Han X**, Budreau AM and Chesney RW: Molecular cloning and functional expression of an LCC-PK1 cell taurine transporter that is adaptively regulated by

- taurine. In Schaffer SE, Lombardini B, Huxtable R, (eds) *Taurine 3. Cellular and Regulatory Mechanisms*, Plenum Press, New York, 1998, pp 361-368.
4. Chesney RW, Helms RA, Christensen M, Budreau AM, **Han X**, and Sturman JA: The role of taurine in infant nutrition. In Schaffer SE, Lombardini B, Huxtable R, (eds) *Taurine 3. Cellular and Regulatory Mechanisms*, Plenum Press, New York, 1998 pp 463-476.
  5. **Han X**, Budreau AM and Chesney RW: Cloning and characterization of the promoter region of the rat taurine transporter (*TauT*) gene. In Della Corte L, Huxtable R, Sgaragli G, Tipton K (eds) *Taurine 4. Taurine and Excitable Tissues*, Plenum Press, New York, 2000, pp 97-108.
  6. **Han X**, Budreau AM, Chesney RW and Sturman JA: Does the taurine transporter gene play a role in 3p-syndrome? In Della Corte L, Huxtable R, Sgaragli G, Tipton K (eds) *Taurine 4. Taurine and Excitable Tissues*, Plenum Press, New York, 2000, pp 613-619.
  7. **Han X**, Budreau AM, Chesney RW: Identification of promoter elements involved in adaptive regulation of the taurine transporter gene: role of cytosolic Ca<sup>2+</sup> signaling. In Della Corte L, Huxtable R, Sgaragli G, Tipton K (eds) *Taurine 4. Taurine and Excitable Tissues*, Plenum Press, New York, 2000, pp 535-544
  8. Chesney RW, Patters AB, **Han X**. Taurine and the kidneys. In El Idrissi A, L'Amoreaux W. (eds) *Taurine in Health and Disease*, Transworld Research Network, Kerala, India, 2011

### **PUBLICATIONS (JOURNAL ARTICLES)**

1. **Han X**: Effect of CS2 on infant mental development. JHMU 1986, p66-70.
2. **Han X**, Liu DS. Taurine and brain development - taurine and behavior. J Hygiene Res 1988, 17(3):23-26.
3. **Han X**, and Chen X. Taurine and brain development. Acta Nutr. Sinca 1989, 11(4):319-324.
4. **Han X**, Chen X, and Pang Z. Effect of taurine human fetal brain cells proliferation. J Hygiene Res 1991, 20(5):28-32.
5. **Han X**, Chen X, and Pang Z. Effect of taurine on human fetal brain neuron proliferation in tissues culture. Nutr Res 1992, 12(2):179-185.

6. **Han X**. Taurine and human brain neuron development. Sheng Li Ke Xue Jin Zhan. 1992, Oct 2354:339-342.
7. **Han X**, and Chesney RW. Expression of taurine transporter and its regulation by diet in *Xenopus laevis* oocytes following injection of rat kidney cortex mRNA. Adv. Exp Med Biol 1994, 359:121-130.
8. **Han X**, Chesney RW, Budreau AM, and Jones DP. Regulation of expression of taurine transport in two continuous renal cell lines and inhibition of taurine transporter by a site-directed antibody. Adv Exp Med Biol, 1996, 403:173-191.
9. **Han X**, Pang Z, Liu D, and Chen X. Taurine functions as a neurotrophic factor in brain development. In Huxtable R, et al., Taurine 2, Plenum Press, New York, 1996
10. **Han X**, Budreau AM, and Chesney RW. Role of conserved peptide in taurine transporter inactivation modulated by protein kinase C. J Am Soc Nephrol, 1996, 7:2088-2096.
11. **Han X**, Budreau AM, and Chesney RW. Adaptive regulation of MDCK cell taurine transporter (pNCT) mRNA-transcription of pNCT is regulated by external taurine concentration. Biochim Biophys Acta 1997, 1351(3):296-304.
12. **Han X**, Budreau AM, and Chesney RW. Functional expression of rat renal cortex taurine transporter in *Xenopus laevis* oocytes - adaptive regulation by dietary manipulation. Adv Exp Med Biol. 1997, 41(5):624-631.
13. Matsell DG, Bennett T, **Han X**, Budreau AM, Chesney RW. Regulation of the taurine transporter gene in the S3 segment of the proximal tubule. Kidney Int 1997 Sep; 52(3):748-54
14. Chesney RW, Helms RA, Christensen M, Budreau AM, **Han X**, Sturman JA. An updated view of the value of taurine in infant nutrition. Adv Pediatr 1998, 45:179-200.
15. **Han X**, Budreau AM, and Chesney RW. Molecular cloning and functional expression of an LLC-PK1 cell taurine transporter that is adaptively regulated by taurine. Adv Exp Med Biol 1998, 442:261-268.
16. Chesney RW, Helms RA, Christensen M, Budreau AM, **Han X**, Sturman JA. The role of taurine in infant nutrition. Adv Exp Med Biol 1998; 442:463-476

17. Chen X, Pang Z, Liu D, and **Han X**. Effect of taurine on human neuron cell-proliferation and differentiation. *Adv Exp Med Biol* 1998, 442:397-403.
18. **Han X**, Budreau AM, and Chesney RW. Ser-322 is a critical site for PKC regulation of MDCK cell taurine transporter. *J Am Soc Nephrol*. 1999 Sep; 10(9):1874-1879.
19. **Han X**, Budreau AM, Chesney RW. Cloning and characterization of the promoter region of the rat taurine transporter (*TauT*) gene. *Adv Exp Med Biol* 2000, 483:97-108.
20. **Han X**, Budreau AM, Chesney RW, Sturman JA. Does the taurine transporter gene play a role in 3p-syndrome? *Adv Exp Med Biol* 2000, 483:613-619.
21. **Han X**, Budreau AM, Chesney RW. Identification of promoter elements involved in adaptive regulation of the taurine transporter gene: role of cytosolic Ca<sup>2+</sup> signaling. *Adv Exp Med Biol* 2000, 483:535-544.
22. **Han X**, Budreau AM, Chesney RW. The taurine transporter gene and its role in renal development. *Amino Acids* 2000, 19(3-4):499-507.
23. **Han X**, Budreau AM, Chesney RW. Transcriptional repression of taurine transporter gene (*TauT*) by p53 in renal cells. *J Biol Chem*. 2002, Oct 18; 277(42):39266-39273.
24. **Han X**, Budreau AM, Chesney RW. Gating of taurine transport - role of the fourth loop of the taurine transporter. *Adv Exp Med Biol* 2003 526:149-157.
25. **Han X**, Budreau AM, Chesney RW. Regulation of taurine transporter gene (*TauT*) by p53 tumor suppressor gene in MCF-7 cells. *Adv Exp Med Biol* 2003 526:139-147.
26. **Han X**, Chesney RW. Regulation of taurine transporter gene (*TauT*) by WT1. *FEBS Lett*. 2003, Apr 10; 540(1-3):71-76.
27. **Han X**, Chesney RW. Regulation of taurine transporter gene (*TauT*) by cisplatin. *Pediatr Nephrol*. 2005, Aug; 20(8):1067-1072.
28. **Han X**, Patters AB, Jones DP, Zelikovic I, and Chesney RW. The taurine transporter: mechanisms of regulation. *Acta Physiol* 2006, 187:61-73.
29. **Han X** and Chesney RW: Is *TauT* an anti-apoptotic gene in renal cells? *Adv Exp Med Biol*. 2006, 583:59-68.

30. **Han X** and Chesney RW: Mechanisms of regulation of TauT expression – a complex interplay regulatory systems. *Adv Exp Med Biol.* 2006, 583:79-90.
31. **Han X** and Chesney RW: TauT protects against cisplatin-induced acute kidney injury (AKI) established in a *TauT* transgenic mice model. *Adv Exp Med Biol.* 2009; 643:113-122.
32. **Han X** and Chesney RW: Mechanism of TauT in protecting against cisplatin-induced kidney injury (AKI). *Adv Exp Med Biol.* 2009; 643:105-112.
33. **Han X**, Yue J, Chesney RW: Functional TauT protects against acute kidney injury. *J Am Soc Nephrol.* 2009, 20:1323-1332.
34. **Han X** and Chesney RW: Stress-responsive gene *TauT* and acute kidney injury. *J Biomed Sci* 2010, 17(Suppl 1):S28.
35. Chesney RW, **Han X**, Patters AB: Taurine and the renal system. *J Biomed Sci* 2010, 17(Suppl 1):S4.
36. **Han X**, Chesney RW. The role of taurine in renal disorders. *Amino Acids.* 2012 Dec;43(6):2249-63
37. **Han X**, Chesney RW: Knockdown of TauT Expression Impairs Human Embryonic Kidney 293 Cell Development. *Adv Exp Med Biol.* 2013;776:307-20.
38. Chesney RW, and **Han X**: Differential Regulation of TauT by Calcitriol and Retinoic Acid via VDR/RXR in LLC-PK1 and MCF-7 Cells. *Adv Exp Med Biol.* 2013;776:291-305
39. David V, Dai B, Martin A, Huang J, Han X, Quarles LD :Calcium regulates FGF-23 expression in bone. *Endocrinology.* 2013 Dec;154(12):4469-82

### **PUBLICATIONS (ABSTRACTS)**

1. Han X, Chesney RW, Albritton L: Expression of taurine transporter and its regulation by diet in *Xenopus laevis* oocytes following injection of rat kidney cortex mRNA. Symposium jointly sponsored by Association of American Physicians, American Society of Clinical Investigation, American Federation for Clinical Research. Washington, D.C. *Clin Res* Vol 41 No. 2, p330A. April, 1993.

2. Han X, Chesney RW, Albritton L: Expression of taurine transporter and its regulation by diet in *Xenopus laevis* oocytes following injection of rat kidney cortex mRNA. Symposium jointly sponsored by Association of American Physicians, American Society of Clinical Investigation, American Federation for Clinical Research. Washington, D.C. *Pediatr Res* 33(4 Part 2):357A. May, 1993.
3. Han X and Chesney RW: Expression of taurine transporter and its regulation by diet in *Xenopus laevis* oocytes following injection of rat kidney cortex mRNA. Taurine in Health and Disease International Symposium, Cologne, Germany, 1993, p14.
4. Han X and Chesney RW: Expression of taurine transporter in *Xenopus laevis* oocytes: Regulation by protein kinase C and medium taurine, *Clin Res* 41(4):L809A, 1993.
5. Han X and Chesney RW: Expression of taurine transporter in *Xenopus Laevis* oocytes: Regulation by protein kinase C and medium taurine, *Pediatr Res* 35:272A, 1994.
6. Han X and Chesney RW: Taurine functions as a regulator of expression of the taurine transporter (pNCT) in MDCK cells. *J Am Soc Nephrol*, 27:310,1994.
7. Han X, Budreau AM and Chesney RW: Regulation of expression of the MDCK cell taurine transporter (pNCT). Supplement to *Journal of Investigative Medicine*, 43:48A.
8. Han X and Chesney RW: Expression of taurine transporter in *Xenopus laevis* oocytes: Regulation of protein kinase C and medium taurine. *Pediatric Res Program Issue of APS/SPR*. 35(4):7A, 1994.
9. Chesney RW, Han X, Budreau AM and Jones DP: Taurine functions as a regulator of expression of the taurine transporter in LLC-PK1 cells. *Pediatr Res Program Issue of APS/SPR*. 37:306A, 1995.
10. Chesney RW, Han X, Budreau AM and Jones DP: Regulation of expression of taurine transporter in two continuous renal epithelial cell lines and inhibition of transport by site-directed antibody. *Seoul Taurine Symposium*. Seoul, Korea, 1995.

11. Han X, Chesney RW, Budreau AM and Jones DP: Regulation of taurine transport in two continuous renal epithelial cell lines. *Taurine: Basic and Clinical Aspects, International Taurine Symposium 1995. Osaka, Japan, p42, 1995.*
12. Han X, Chesney RW, Budreau AM and Jones DP: Inhibition of taurine transport by a site-directed antibody. *Taurine: Basic and Clinical Aspects. International Taurine Symposium 1995, Osaka, Japan.*
13. Han X, Budreau AM, Jones DP, and Chesney RW: Inhibition of taurine transport by a site-directed antibody. *Renal and Electrolyte Symposium. Journal of Investigative Medicine Southern Regional Meeting, 50A, 1995.*
14. Chesney RW, Han X, Budreau AM, Jones DP: Taurine functions as a regulator of expression of taurine transporter in LLC-PK1 cells. *Pediatr Nephrol 9(6):C27, Dec 1995.*
15. Han X, Budreau AM, and Chesney RW: Role of conserved peptide in taurine transporter in activation modulated by protein kinase C. *Pediatr Res 39:361A, 1996.*
16. Jones DP, Han X, Budreau AM and Chesney RW: Regulation of  $\beta$ -amino acid transporter in rat kidney cortex and cultured kidney cells by substrate concentration. *Pediatr Nephrol 10:C177, 1996.*
17. Han X, Budreau AM, Chesney RW: Molecular cloning and expression of an LLC-PK1 cell taurine transporter that is regulated by taurine. *J Am Soc Nephrol 7(9):1299, 1996.*
18. Matsell DG, Bennett T, Han X, Budreau AM and Chesney RW: Expression and regulation of the taurine transporter gene in the S3 segment of the proximal tubule. *J Am Soc Nephrol 7(9):1302, 1996.*
19. Han X, Budreau AM and Chesney RW: Role of the fourth intracellular segment of pNCT in gating of taurine transport expressed in oocytes. *J Invest Med 45:43A, 1997*
20. Han X, Budreau AM and Chesney RW: Role of the fourth intracellular segment of pNCT in gating of taurine transport expressed in oocytes. *J Am Soc Nephrol 8:51A, 1997.*

21. Han X, Budreau AM and Chesney RW: Cloning and characterization of the promoter region of the rat taurine transporter gene: Transcriptional regulation by taurine and estradiol. *Pediatr Res* 43, 4:2, 1998.
22. Han X, Budreau AM and Chesney RW: Identification of promoter elements involved in adaptive regulation of the taurine transporter gene: role of cytosolic Ca<sup>2+</sup> signaling. *J Invest Med* 47:145A, 1999.
23. Han X, Budreau AM and Chesney RW: Cloning and characterization of the promoter region of the rat taurine transporter gene (*TauT*) that is regulated by the *WT-1* tumor suppressor gene. *J Am Soc Nephrol*, 10:A0274, 1999.
24. Han X, Budreau AM and Chesney RW: Regulation of the taurine transporter gene (*TauT*) by the *WT-1* tumor suppressor gene. *Pediatr Res*, 47:447A, 2000.
25. Han X, Budreau AM and Chesney RW: Is *TauT* a target gene of the *WT1* tumor suppressor gene? *J Am Soc Nephrol* 11:43A, 2000.
26. Han X, Patters AB and Chesney RW: Sp1 is necessary for the basal promoter function of the taurine transporter gene. *J Invest Med*, 2001.
27. Han X, Patters AB and Chesney RW: Differential regulation of *TauT* promoter by WT1. *J Amer Soc Nephrol*, 12:49A (A0258).
28. Han X, Budreau Patters A and Chesney RW: Differential regulation of the *TauT* promoter by *WT1*. *Pediatr Nephrol*, 2001, 16:353.
29. Han X, Patters AB and Chesney RW: Mechanisms of regulation of taurine transporter activity: a complex interplay of regulatory system. *J Am Soc Nephrol*, 13:493A, 2002.
30. Han X, Patters AB and Chesney RW: Transcriptional repression of the taurine transporter gene by the p53 tumor suppressor gene in renal cells. *Pediatr Nephrol*, 2002, 17:C79; p073.
31. Chesney RW and Han X: Is *TauT* an anti-apoptotic gene in the kidney? *J Invest Med* 51:S313, 2003.
32. Han X, Budreau AM and Chesney RW: The taurine transporter gene (*TauT*) is a target of *WT1*. *Pediatr Res* 53:519A, 2003.

33. Han X and Chesney RW: Role of TauT in drug-induced nephrotoxicity. *J Am Soc Nephrol* 14:SA-PO260, 2003.
34. Chesney RW and Han X: Adaptive regulation of TauT and renal injury – role of calcium signaling. *Pediatr Nephrol*. 19:C91, 2004.
35. Chesney RW and Han X: Role of TauT in protecting against cisplatin-induced acute renal failure. *J Am Soc Nephrol*, 2006.
36. Han X and Chesney RW: *TauT* is a target of multiple transcription factors during acute kidney injury (ASN, 2009).

### **PRESENTATIONS:**

1. Chesney RW and Han X: Developmental expression of rat kidney taurine transporter and its regulation by diet in *Xenopus laevis* oocytes. The American Society of Nephrology, 26<sup>th</sup> Annual Meeting, Boston, MA November 16, 1993.
2. Han X and Chesney RW: Expression of rat kidney taurine transporter and its regulation by diet in *Xenopus laevis* oocytes. The 1994 Southern Regional Meeting of the Southern Society for Clinical Investigation. New Orleans, LA, February 5, 1994.
3. Han X and Chesney RW: Expression of taurine transporter in *Xenopus laevis* oocytes: Regulation by protein kinase C and medium taurine. The 1994 Annual Meeting of the American Pediatric Society and the Society for Pediatric Research, Seattle, WA, May 2, 1994.
4. Han X and Chesney RW: Taurine functions as a regulator of expression of the taurine transporter (pNCT) in MDCK cells. 27<sup>th</sup> Annual Meeting and Exposition of the American Society of Nephrology, October 26-29, 1994.
5. Han X and Chesney RW: Expression of taurine transporter in *Xenopus laevis* oocytes: Regulation by protein kinase C and medium taurine. *Pediatric Research*. Program Issue of APS/SPR, 1994.
6. Chesney RW and Han X: Regulation of expression of the MDCK cell taurine transporter by diet. Southern Society for Clinical Investigation, New Orleans, LA, February 3, 1995.

7. Han X, Budreau AM and Chesney RW: Regulation of expression of the MDCK cell taurine transporter (pNCT). Research Day, University of Tennessee Health Science Center, March 7, 1995.
8. Chesney RW, Han X, Budreau AM and Jones DP: Taurine functions as a regulator of expression of the taurine transporter in MDCK cells. American Pediatric Society, San Diego, CA, May 8, 1995.
9. Jones DP, Chesney RW, Han X and Budreau AM: Regulation of amino acid transporter in rat cortex and cultured kidney cells by substrate concentration. The Sixth International Workshop on Developmental Nephrology. Airlie, Va Aug. 24, 1995.
10. Han X, Budreau AM, Jones DP, and Chesney RW: Transcriptional and post-translational regulation of the MDCK cell taurine transporter (pNCT). American Society of Nephrology. San Diego, CA, Nov 7, 1995.
11. Chesney RW, Han X and Budreau AM: Role of conserved peptide in taurine transporter inactivation modulated by protein kinase C. Pediatric Academic Societies. Washington, DC. May 7, 1996.
12. Matsell DG, Bennett T, Han X, Budreau AM and Chesney RW: Expression and regulation of the taurine transporter gene in the S3 segment of the proximal tubule. American Society of Nephrology 29<sup>th</sup> Annual Meeting. New Orleans, LA, November 3-6, 1996.
13. Chesney RW, Han X and Budreau AM: Molecular cloning and expression of an LLC-PK1 cell taurine transporter that is regulated by taurine. The American Society of Nephrology 29<sup>th</sup> Annual Meeting and Scientific Exposition. New Orleans, LA, November 3-6, 1996.
14. Han X, Budreau AM and Chesney RW: Role of the fourth intracellular segment of pNCT in gating of taurine transport expressed in oocytes. Southern Regional Meetings, New Orleans, LA, January 1997.
15. Han X, Budreau AM and Chesney RW: Identification of ser-322 as specific site in taurine transporter (pNCT) that is phosphorylated by PKC. The American Pediatric Society/The Society for Pediatric Research, Nephrology I Platform Presentation, May 4, 1997.

16. Han X, Budreau AM and Chesney RW: Role of the fourth intracellular segment of pNCT in gating of taurine transport expressed in oocytes at the American Society of Nephrology 30<sup>th</sup> Annual Meeting, San Antonio, TX, November 2-5, 1997.
17. Han X, Budreau AM and Chesney RW: Cloning and characterization of the promoter of the rat taurine transporter gene. Presented at the Southern Regional Meeting, New Orleans, LA, February 7-9, 1998.
18. Han X, Budreau AM and Chesney RW: Identification of promoter elements involved in adaptive regulation of the taurine transporter gene: role of Ca<sup>2+</sup> signaling. Presented at the Southern Regional Meeting, New Orleans, LA, February 20, 1999.
19. Han X, Chesney RW, and Budreau AM: Does the taurine transporter gene play a role in 3p syndrome? Presented at the Pediatric Academic Societies Annual Meeting, San Francisco, CA, May 2, 1999.
20. Han X, Chesney RW and Budreau AM: Molecular cloning of the promoter region of the taurine transporter gene that is regulated by the p53 tumor suppressor gene. Presented at the Pediatric Academic Societies Annual Meeting, San Francisco, CA, May 2, 1999.
21. Chesney RW, Han X and Budreau AM: Cloning and characterization of the promoter region of the rat taurine transporter gene (*TauT*) that is regulated by the *WT1* tumor suppressor gene. American Society of Nephrology, 1999 Renal Week. Miami Beach Florida, November 10-13, 1999.
22. Chesney RW, Han X and Budreau AM: Regulation of taurine transporter gene (*TauT*) by p53 tumor suppressor gene in renal cells. Southern Regional Meeting, New Orleans, LA, February 17-19, 1999.
23. Han X, Patters AB and Chesney RW: Sp1 is necessary for the basal promoter function of the taurine transporter gene. Southern Regional Meeting, New Orleans, LA, March 1-3, 2001.
24. Han X, Patters AB and Chesney RW: Differential regulation of *TauT* promoter by *WT1*. 17<sup>th</sup> Congress of the International Pediatric Nephrology Association, Seattle, WA, September 1-2, 2001.

25. Han X, Budreau Patters A and Chesney RW: Regulation of the taurine transporter gene by the p53 tumor suppressor gene in MCF-7 cells. Southern Regional Meeting. New Orleans, LA, February 23, 2002.
26. Han X, Patters AB and Chesney RW: Mechanisms of regulation of taurine transporter activity: a complex interplay of regulatory systems. American Society of Nephrology Annual Meeting, Philadelphia, PA, October 30 – November 4, 2002.
27. Han X, Patters AB and Chesney RW: Regulation of taurine transporter gene (*TauT*) by p53 tumor suppressor gene in human breast cancer cells. Taurine in the 21th Century, Kauai, Hawaii, September 20-23, 2002.
28. Han X, Patters AB and Chesney RW: Role of the fourth intracellular segment (S4) of the taurine transporter in gating of taurine transport modulated by protein kinase C phosphorylation. Taurine in the 21<sup>st</sup> Century, Kauai, Hawaii, September 20-23, 2002.
29. Chesney RW and Han X: Is *TauT* an anti-apoptotic gene in kidney? Southern Society for Pediatric Research, New Orleans, Feb. 20-22, 2003.
30. Han X and Chesney RW: Taurine transporter gene (*TauT*) is a target of *WT1*. Pediatric Academic Societies, May 3, 2003, Seattle, WA.
31. Han X and Chesney RW: Regulation of *TauT* by cisplatin in LLC-PK1 renal cells; Pediatric Academic Societies Meeting, San Francisco, CA, May 2, 2004.
32. Han X and Chesney RW: Is *TauT* a tumor relevant gene? 2005 Pediatric Academic Societies Meeting, Washington, D.C., May 14, 2005.

#### **INTERNATIONAL PRESENTATIONS:**

1. Han X and Chesney RW: Expression of taurine transporter and its regulation by diet in *Xenopus laevis* oocytes following injection of rat kidney in RN; Taurine in Health and Disease International Symposium, Cologne, Germany, September 1, 1993.

2. Chesney RW, Han X, Budreau AM and Jones DP: Regulation of expression of taurine transport I two continuous renal cell lines and inhibition of transporter by a site-directed antibody. Seoul Taurine Symposium. Seoul, Korea, June 26, 1995.
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