

Chaodong Wu Short Bio

Dr. Chaodong Wu, MD, PhD, is a tenured Associate Professor of Nutrition at Texas A&M University (TAMU) (College Station, Texas) and a Faculty Fellow of Texas A&M AgriLife Research. Prior to his tenure, Dr. Wu was an Assistant Professor of Nutrition at TAMU (2007-2013), and a Research Assistant Professor of Biochemistry at the University of Minnesota (Minneapolis, Minnesota) (2003-2006). Since his postdoctoral training, Dr. Wu has made a series of significant contributions to the understanding of liver physiology in relation to systemic metabolic homeostasis. After his appointment at TAMU, Dr. Wu has focused his research on overnutrition-associated insulin resistance, diabetes, and fatty liver disease. Dr. Wu has also explored how overnutrition induces peripheral circadian clock dysregulation in the context of inflammation and metabolic diseases. Dr. Wu has authored and co-authored over 50 research articles. Currently, Dr. Wu is funded as Principle Investigator by grants from the NIH. Dr. Wu is a full member of American Society of Nutrition, North America Chinese Society for Nutrition (NACSN), American Diabetes Association, and Chinese American Diabetes Association. Since 2014, Dr. Wu has served as a Leadership Team member of the NACSN, and then the Co-Director of the Scientific Committee of NACSN.



CURRICULUM VITAE

April 16, 2016

I. PERSONAL INFORMATION

Name: Chaodong Wu
Rank: Associate Professor and Faculty Fellow of AgriLife Research
Campus address: Department of Nutrition and Food Science
Texas A&M University
2253 TAMU, Cater-Mattil 217A
College Station, TX 77843
Phone: (979) 458-1521; Email: cdwu@tamu.edu

II. EDUCATION

Beijing Medical University, China. PhD in Medical Science, 09/1995-07/1998
Tongji Medical University (Wuhan), China. Master of Medical Science, 09/1992-07/1995
Hubei University of Chinese Medicine (Wuhan), China. MD, Medicine, 09/1987-07/1992

III. EXPERIENCE

A. Current Position

Date: September 1, 2013 - present

Current job expectation: Research, Teaching, and Service

Research

- 1) Development of a nationally recognized research program that addresses high priority needs in the area of overnutrition-related metabolic diseases such as insulin resistance, fatty liver disease, and diabetes that leads to expansion of critical knowledge, scholarly achievement, excellence in research, discovery of new and innovative technologies, an enhanced understanding of biological mechanisms or systems and/or creation of intellectual property; other duties include securing extramural funds to support ongoing research activities and effectively communicating the significance or impact of the research performed;
- 2) Supervision and training of undergraduate students, M.S. and Ph.D. degree candidates and/or post-doctoral appointees in the discipline of Nutrition;

Teaching

- 3) Teaching undergraduate and graduate courses in Nutrition such as Nutrition and Physiological Chemistry (NUTR 470), Nutrition Seminar (NUTR 681), and Research (NUTR 485, NUTR 491, and NUTR 691); other responsibilities include mentoring of students and providing academic guidance to enable success within the discipline.

Service

4) Service to the department, college, university and the general public as part of the ongoing mission of a Land Grant Institution.

B. Past Positions and Experiences

04/2007 - 08/2013: Texas A&M University, College Station, TX. Assistant Professor
02/2006 - 03/2007: Hoffmann-La Roche, Nutley, New Jersey. Principal Scientist
08/2003 - 02/2007: The University of Minnesota, Minneapolis, MN. Research Associate
08/1998 - 07/2003: The University of Minnesota, Minneapolis, MN. Postdoctoral Associate
09/1995 - 07/1998: Beijing Medical University, Beijing, China. Research Assistant
09/1992 - 07/1995: Tongji Medical University, Wuhan, China. Research Assistant
09/1991 - 07/1992: Hubei Hospital, Hubei University of Chinese Medicine, Wuhan, Intern

IV. RESEARCH

A. Research Support

Ongoing Research Support

1R01DK095828-01A1, Wu (PI) 05/05/13-04/30/17
NIDDK/NIH \$1,257,578
Metabolic regulation of adipocyte-macrophage crosstalk in obesity
The goal of this study is to define the novel role of PFKFB3 in regulating adipocyte-macrophage crosstalk in relation to insulin resistance in obesity.
Role: PI (30%)

1R01DK095862-01A1, Wu (PI) 04/15/13-03/31/18
NIDDK/NIH \$1,604,850
Protective role of adenosine 2A receptor in NAFLD
The goal of this study is to define a novel protective role for adenosine 2A receptor (A_{2A}R) in non-alcoholic fatty liver disease (NAFLD).
Role: PI (25%)

Grand Challenge Grant Wu (PI)/Chew (MPI) 12/05/14-08/31/17
College of Agriculture and Life Sciences of Texas A&M University \$150,000
Big Idea: Formation of Texas A&M Nutrition Obesity Research Center
The goal of this grant is to obtain seed funding to drive an integrated program on nutrition obesity research.
Role: PI

Completed Research Support

1-13-BS-214-BR Research Award (Bridge funding), Wu (PI) 11/01/13-10/31/14
American Diabetes Association \$60,000

Curriculum Vitae: Chaodong Wu, MD, PhD

Hepatocyte adenosine 2A receptor regulates liver lipogenesis and inflammatory responses in DIO

The goal of the bridge funding is to generate new preliminary data for resubmission to ADA or other funding agency.

Role: PI

12BGIA9050003 Beginning Grant-in-Aid, Wu (PI) 01/01/12-12/31/13 \$140,000

American Heart Association

PFKFB3 regulation of macrophage polarization and atherosclerosis

The goal of this project is to investigate the regulatory mechanisms of PFKFB3 for macrophage polarization in relation to the development of atherosclerosis.

Role: PI (15%)

1-10-JF-54 Junior Faculty Award, Wu (PI) 01/01/10-12/31/12 \$386,400

American Diabetes Association

Regulation of adipose tissue inflammatory response in diet-induced diabetes: the role of PFKFB3

The goal of this study is to gain insight of the novel and unique role played by PFKFB3 in regulating the adipose tissue inflammatory response in diet-induced diabetes.

Role: PI (25%)

1-10-BS-76 Research Award, Huo (PI) 01/01/10-12/31/13 \$322,000*

American Diabetes Association

Macrophage A_{2A} receptor regulates glucose homeostasis

The goal of this study is to define the mechanisms underlying the role of macrophage A_{2A}R in the regulation of glucose homeostasis

Role: Co-Investigator (5%)

11BGIA7850037, Zhou (PI) 07/01/11-06/30/13 \$140,000*

American Heart Association

Regulation of CVD risk in obesity: the role of macrophage miR-223 in adipose tissue inflammation

The goal of this project is to investigate the regulatory mechanisms of miR-223 in macrophage function contributing to obesity related cardiovascular diseases.

Role: Co-Investigator (5%)

B. Publications

Refereed/Peer-Reviewed Research Articles

1. Luo M, Li MZ, Ye WY, Lin BY, and **Wu CD**. Changes in the levels of plasma tumor necrosis factor in rabbits with endotoxin-induced DIC. *Chin Criti Care Med*, 1995;7:65-67.

2. **Wu CD**, Li MZ, Zhang YP, Lin BY., Luo M., and Xu LJ. Effects of reducing injection on plasma TNF- α and IL-6 levels in rabbits with endotoxin-induced DIC. *Chin J Integra Tradi Wester Med*, 1995, 15:356-358.
3. **Wu C.**, Li M., Chen C, Zhang M. Endotoxin-induced liver injury and plasma tumor TNF α , IL6 level changes in rabbits. *Chin J Dig Dis*, 1995, 15:256-258. Chinese version.
4. **Wu C.**, Li M., Chen C., and Zhang M. Endotoxin-induced liver injury and changes in the levels of plasma tumor necrosis factor- α and interleukin-6 in rabbits. *Chin Med J*, 1995,108:548-550. English version
5. **Wu CD**, Li MZ, Zhang MF, Wang KF., Xu LJ., Li HG. Effects of Traditional Chinese medicine reducing on interleukin-6 and acute phase proteins in rabbits with endotoxin-induced disseminated intravascular coagulation. *Chin Criti Care Med*, 1996;8:3-4.
6. **Wu CD.**, and Tao QM. Cloning and sequencing of E2/NS1 gene from a Chinese genotype III isolate of hepatitis C virus. *Natl Med J China*, 1998,78:115-117.
7. **Wu CD.**, and Tao QM. Comparison between homologies of E2/NS1 gene from genotype III Chinese isolates of hepatitis C virus and that from reported isolates. *Chin Med J*, 1998,111:807-809.
8. **Wu CD.**, Gao JE., and Tao QM. Stable expression E2 glycoprotein of hepatitis C virus in mammalian cell. *Chin Biochem Mol Bio J*, 1998,14:15-19.
9. **Wu CD.**, and Tao QM. E2 glycoprotein of genotype III Chinese isolates of hepatitis C virus expressed in mammalian cell as antigen for anti-E2 detection. *Chin Med Sci J*, 1998,13:77-79.
10. **Wu CD.**, Tao QM. Du SC and Chang JH. Amplification of E2/NS1 gene derived from a genotype III Chinese isolate of hepatitis C virus and construction of mammalian expression plasmid. *J Beijing Med Univ*, 1998,30:371.
11. **Wu CD.**, Tao QM. and Feng B.F. Inducing antibody response against E2 glycoprotein of hepatitis C virus in BALB/C mice by plasmid DNA based immunization. *J Beijing Med Univ*, 1998,30:395-396.
12. **Wu CD.**, and Tao QM. Homologies of E2/NS1 gene derived from a genotype III Chinese isolate of hepatitis C virus to that from reported isolates. *Chin Biochem Mol Bio J*, 1998,14:553-556.
13. **Wu CD.**, Tao QM., and Feng BF. Antibody response to E2 glycoprotein induced in mice by immunization of plasmid DNA containing sequence derived from a Chinese genotype III/2a isolate of hepatitis C virus. *Chin Med J*, 1999, 112:166-168.
14. Zhu C, **Wu C.**, and Tao Q. Detection of antibody against E2 glycoprotein in sera from hepatitis C patients. *Acta Universitatis Scieniae Medicinae Chongqince*. 1999,24:262-263.
15. Zhu C, **Wu C.**, Tao Q, and Feng B. Enzyme immune assay for detecting antibody against hepatitis C virus E2 glycoprotein. *Chin J Med Lab Sci*, 1999,22:21-221.
16. Zhu C, **Wu C.**, Tao Q, Feng B. and Chang J. Expression of glycoprotein of hepatitis C virus in mammalian cell and application of purified protein for detection of antibody against E2 in hepatitis C patients. *Chin J Hepatol*, 1999, 7(4):214-6.
17. **Wu C.**, Okar D.A., Newgard C.B., and Lange A.J. Suppression of hepatic glucose production lowers blood glucose by overexpression of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase in mouse liver. *J Clin Invest*, 2001,107:91-98.

18. **Wu C.**, Okar D.A., Newgard C.B., and Lange A.J. Increasing fructose-2,6-bisphosphate overcomes hepatic insulin resistance of type 2 diabetes. *Am J Physiol*, 2002, 282:E38-E45.
19. Choi I-Y. , **Wu C.**, Okar D.A., Lange A.J and Grutter R. Elucidation of the role of fructose-2,6-bisphosphate in regulation of glucose fluxes in mice using *in vivo* ¹³C NMR measurements of hepatic carbohydrate metabolism. *Eur J Biochem*, 2002,269:4418-4426.
20. **Wu C.**, Okar D.A., Stoeckman A.K., Peng L.J., A.H. Herrera, J.E. Herrera, Towle H.C., and Lange A.J. A potential role for fructose-2,6-bisphosphate in insulin stimulation of hepatic glucokinase gene expression. *Endocrinology*, 2004,145:650-658.
21. Donthi R.V., Ye G., **Wu C.**, McClain D.A., Lange A.J., and Epstein P.N. Cardiac expression of kinase deficient 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase inhibits glycolysis, promotes hypertrophy, impairs myocyte function and reduces insulin sensitivity. *J Biol Chem*. 2004, 279: 48085-48090.
22. Baar R.A., Dingfelder C.S., Smith L.A., Bernlohr D.A., **Wu C.**, Lange A.J., and Parks E.J. Investigation of *in vivo* fatty acid metabolism in AFABP/aP2^{-/-} mice. *Am J Physiol*, 2005, 288:E187-193.
23. Payne V.A., Arden C., **Wu C.**, Lange A.J. and Agius L. Dual role of phosphofructokinase-2/fructose bisphosphatase-2 in regulating the compartmentation and expression of glucokinase in hepatocytes. *Diabetes*, 2005,54:1949-1957.
24. **Wu C.**, Kang J., Peng L-J., Li H., Khan S.A., Hillard C.J., Okar D.A., and Lange A.J. Enhancing hepatic glycolysis reduces obesity: Differential effects on lipogenesis depend on site of glycolytic modulation. *Cell Metabolism*, 2005, 2: 131-140.
25. Niswender, C.M., Willis, B.S., Wallen A., Sweet I.R., Jetton T.L., Thompson B.R., **Wu C.**, Lange A.J., and McKnight G.S. Cre recombinase-dependent expression of a constitutively active mutant allele of the catalytic subunit of protein kinase A. *Genesis*, 2005, 43: 108-118.
26. **Wu C.**, Khan SA, Peng Li-Jen, Li H., Camela S., and Lange A.J. Perturbation of glucose flux in the liver by decreasing fructose-2,6-bisphosphate levels causes hepatic insulin resistance and hyperglycemia. *Am J Physiol Endocrinol Metab*, 2006, 291: E536-543.
27. Smith W.E., Langer S., **Wu C.**, Baltrusch S., and Okar D.A. Molecular coordination of hepatic glucose metabolism by the 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase:Glucokinase complex. *Mol Endocrinol*. 2007, 21: 1478-1487.
28. Wang H., Zhang W., Zhu C., Bucher C., Blazar BR., Zhang C., Chen JF., Linden J., **Wu C (co-corresponding author)**, and Huo Y. Inactivation of the adenosine A_{2A} receptor protects apolipoprotein E-deficient mice from atherosclerosis. *Arterioscler Thromb Vasc Biol* 2009, 29:1046-1052.
29. Huo Y, Guo X (*PhD student*), Li H, Wang H, Zhang W, Wang Y, Zhou H, Gao Z, Telang S, Chesney J, Chen YE, Ye J, Chapkin RS, and **Wu C (corresponding author)**. Disruption of inducible 6-phosphofructo-2-kinase ameliorates diet-induced adiposity but exacerbates systemic insulin resistance and adipose tissue inflammatory response. *J Biol Chem*, 2010, 285: 3713-3721. PMID: PMC2823512
30. Wang H, Zhang W, Tang R, Zhu C, Bucher C, Blazar B, Geng J, Zhang C, Linden J, **Wu C (co-corresponding author)**, and Huo Y. (2010). Adenosine receptor A_{2A} deficiency in leukocytes increases arterial neointima formation in apolipoprotein E-deficient mice. *Arterioscler Thromb Vasc Biol*, 2010, 30:915-922.

31. Zhang W., Wang J., Wang H., Tang R., Belcher JD., Viollet B., Geng JG, Zhang C., **Wu C**, Slungaard A., Zhu C, and Huo Y. Acadesine inhibits tissue factor induction and thrombus formation by activating the phosphoinositide 3-kinase/Akt signaling pathway. *Arterioscler Thromb Vasc Biol*, 2010, 30:1000-1006
32. Guo X (*PhD student*), Xu K, Zhang J, Li H, Zhang W, Wang H, Lange AJ, Chen Y, Huo Y, and **Wu C** (*corresponding author*). Involvement of inducible 6-phosphofructo-2-kinase in the anti-diabetic effect of PPAR γ activation in mice. *J Biol Chem*, 2010, 285:23711-23720. PMID: PMC2911274
33. Zhuang G., Meng C., Guo X. (*PhD student*)., Cheruku PS., Shi L., Xu H. (*PhD student*), Li H., Wang G., Evans A., Safe S., **Wu C**. (*co-corresponding author*), and Zhou B. (2012) A novel regulator of macrophage activation: miR-223 in obesity associated adipose tissue inflammation. *Circulation*, 2012, 125: 2892-2903.
34. Huo Y, Guo X (*PhD student*), Li H, Xu H (*PhD student*), Halim V (*MS student*), Zhang W, Wang H, Fan YY, Ong KT, Woo SL (*MS student*), Chapkin RS, Mashek DG, Chen Y, Dong H, Lu F, Wei L, **Wu C**. (*corresponding author*). Targeted overexpression of inducible 6-phosphofructo-2-kinase in adipose tissue increases fat deposition but protects against diet-induced insulin resistance and inflammatory responses. *J Biol Chem*, 2012, 287:21492–21500. PMID: PMC3375570
35. Guo X. (*PhD student*), Li H., Xu H. (*PhD student*), Halim V. (*MS student*), Zhang W., Wang H., Ong K.T., Woo S.L. (*MS student*), Walzem R.L., Mashek D.G., Dong H., Lu F., Wei L., Huo Y, and **Wu C** (*corresponding author*). Palmitoleate induces hepatic steatosis but suppresses liver inflammatory response in mice. *PLoS One*, 2012, 7(6): e392862012. PMID: PMC3387145
36. Monk JM, Hou TY, Turk HF, Weeks B, **Wu C**, McMurray DN, and Chapkin RS. Dietary n-3 polyunsaturated fatty acids (PUFA) decrease obesity-associated Th17 cell-mediated inflammation during colitis. *PLoS One*, 2012, 7(11): e49739.PMID: PMC3500317
37. Guo X. (*PhD student*), Li H., Xu H. (*PhD student*), Woo S.L. (*MS student*), Dong H., Lu F., Lange AJ, and **Wu C** (*corresponding author*). (*Invited review*) Glycolysis in the control of blood glucose homeostasis. *Acta Pharmaceutica Sinica B*, 2012, 2(4):358–367.
38. Guo X. (*PhD student*), Li H., Xu H. (*PhD student*), Halim V. (*MS student*), Thomas LN, Woo SL (*MS student*), Huo Y, Chen YE, Sturino JM, and **Wu C** (*corresponding author*). Disruption of inducible 6-phosphofructo-2-kinase impairs the suppressive effect of PPAR γ activation on diet-induced intestine inflammatory response. *J Nutr Biochem*, 2013, 24:770-5. PMID: PMC3584194
39. Wei S, Wang H, Zhang G, Lu Y, An X, Ren S, Wang Y, Chen Y, White J, Zhang C, Simon D, **Wu C**, Li Z, and Huo Y. Platelet IKK β deficiency increases mouse arterial neointima formation via delayed glycoprotein Iba shedding. *Arterioscler Thromb Vasc Biol* 2013, 33:241-8. PMID: PMC3755353
40. Li H., Guo X. (*PhD student*), Xu H. (*PhD student*), Woo S.L. (*MS student*), Halim V. (*MS student*), Morgan C., and **Wu C** (*corresponding author*). A role for inducible 6-phosphofructo-2-kinase in the control of neuronal glycolysis. *J Nutr Biochem*, 2013, 24: 1153-1158. PMID: 23246158 [PubMed - in process]
41. Chen Y, Mu P, He S, Tang X, Guo X (*PhD student*), Li H, Xu H (*PhD student*), Woo S-L (*MS student*), Qian X, Zeng L, and **Wu C** (*corresponding author*). Gly482Ser

- mutation blunts the effects of PGC-1 α on decreasing fat deposition and on stimulating PEPCCK expression in hepatocytes. *Nutr Res*, 2013, 33:332-9. PMID: 23602251 [PubMed - in process]
42. Woo SL (**PhD student**), Xu H (**PhD student**), Li H, Zhao Y, Hu X, Zhao J, Guo X, Guo T (**MS student**), Botchlett R (**PhD student**), Qi T (**MS student**), Pei Y (**PhD student**), Zheng J, Xu Y, An X, Chen L, Chen L, Li Q, Xiao X, Huo Y, and **Wu C (corresponding author)** (2014) Metformin ameliorates hepatic steatosis and inflammation without altering adipose phenotype in diet-induced obesity. *PLoS One*, 2014, 9:e911111. PMCID: PMC3956460
 43. Xu Y, An X, Guo X, Habtetsion TG, Wang Y, Xu X, Li Q, Li H, Zhang C, Caldwell RB, Fulton DJ, Su Y, Hoda MN, Zhou G, **Wu C (co-corresponding author)**, and Huo Y. (2014) Endothelial PFKFB3 plays a critical role in angiogenesis. *Arterioscler Thromb Vasc Biol*, 2014, 34:1231-1239 PMCID: PMC4120754
 44. Xu H (**PhD student**), Li H, Woo SL (**PhD student**), Kim SM, Shende VR, Neuendorff N, Guo X, Guo T (**MS student**), Qi T (**MS student**), Pei Y (**PhD student**), Zhao Y, Hu X, Zhao J, Chen L, Chen L, Ji JY, Alaniz RC, Earnest DJ, **Wu C (corresponding author)**. (2014) Myeloid cell-specific disruption of Period1 and Period2 exacerbates diet-induced inflammation and insulin resistance. *J Biol Chem*, 2014, 289:16374-16388. PMCID: PMC4047405
 45. Shannonhouse JL, Urbanski HF, Woo SL, Fong LA, Goddard SD, Lucas WF, Jones ER, **Wu C**, Morgan C. Aquaporin-11 control of testicular fertility markers in Syrian hamsters. *Mol Cell Endocrinol*. 2014, 391(1-2):1-9. PMID: 24791736 [PubMed - in process]
 46. Ming Y, Hu X, Song Y, Liu Z, Li J, Gao R, Zhang Y, Mei H, Guo T, Xiao L, Wang B, **Wu C**, Xiao X. (2014) CMHX008, a novel peroxisome proliferator-activated receptor γ partial agonist, enhances insulin sensitivity in vitro and in vivo. *PLoS One*, 2014, 9(7):e102102 PMCID: PMC4087031
 47. Shi L, Ko ML, Huang CC, Park SY, Hong MP, **Wu C**, Ko GY. (2014) Chicken embryos as a potential new model for early onset type I diabetes. *J Diabetes Res*, 2014;2014:354094. doi: 10.1155/2014/354094. Epub 2014 Jul 13.
 48. Song Z, Liu Y, Hao B, Yu S, Zhang H, Liu D, Zhou B, Wu L, Wang M, Xiong Z, **Wu C**, Zhu J, Qian X. (2014) Ginsenoside Rb1 prevents H₂O₂-induced HUVEC senescence by stimulating sirtuin-1 pathway. *PLoS One*, 2014;9(11):e112699. doi: 10.1371/journal.pone.0112699. eCollection 2014. PMCID: PMC4227851
 49. Zeng T, Zhou J, He L, Zheng J, Chen L, **Wu C**, Xia W. (2016) Blocking nuclear factor-kappa B protects against diet-induced hepatic steatosis and insulin resistance in mice. *PLoS One*, 2016; 11(3):e0149677. doi: 10.1371/journal.pone.0149677. eCollection 2016. PMID: 26930600
 50. Guo T (**MS student**), Woo SL (**PhD student**), Guo X, Li H, Zheng J, Botchlett R (**PhD student**), Liu M, Xu H (**PhD student**), Cai Y, Li X, Li Q, Xiao X, Huo Y, and **Wu C (corresponding author)**. (2016) Berberine ameliorates hepatic steatosis and suppresses liver and adipose tissue inflammation in mice with diet-induced obesity. *Sci Rep*, 2016;6:22612. doi: 10.1038/srep22612. PMCID: PMC4776174
 51. Liu L, Li Q, Xiao X, **Wu C**, Gao R, Peng C, Li D, Zhang W, Du T, Wang Y, Yang S, Zhen Q, Ge Q. (2016) miR-1934, downregulated in obesity, protects against low-grade

- inflammation in adipocytes. *Mol Cell Endocrinol*, 2016 Mar 21. pii: S0303-7207(16)30074-0. doi: 10.1016/j.mce.2016.03.026. [Epub ahead of print]
52. Chen L, Zhao J (**Visiting PhD student**), Tang Q, Li H, Zhang C, Yu R, Zhao Y (**Postdoc**), Huo Y, and **Wu C** (*corresponding author*). (2016) PFKFB3 Control of Cancer Growth by Responding to Circadian Clock Outputs. *Sci Rep*, 2016 Apr 15;6:24324. doi: 10.1038/srep24324. PMID: 27079271.
53. Botchlett R (**PhD student**), Hu X, Qi T (**MS student**), Zhao J, Li H, Guo X, Zheng J, Woo SL (PhD student), Xu H (**PhD student**), Pei Y (**PhD student**), Guo T (**MS student**), Qi T (**MS student**), Huo Y, and **Wu C** (*corresponding author*). (2016) Glucose and palmitate differentially regulate PFKFB3/iPFK2 and inflammatory responses in mouse intestinal epithelial cells. *Sci Rep*, under revision.

Abstracts

1. **Wu C.**, Okar D.A., Newgard C.B., and Lange A.J. Overexpression of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase in mouse liver leads to suppression of hepatic glucose production and lowered blood glucose. *Diabetes* 2000,49(suppl 1):A291.
2. Choi I-Y. , **Wu C.**, Okar D.A., Lange A.J and Grutter R. Assessment of hepatic carbohydrate metabolism in vivo by 3D-localized ¹³C NMR: The role of fructose-2,6-bisphosphate in regulation of glucose fluxes in mice. *Proc Int Soc Magn Reson Med* 2001,9:206.
3. Herrera A, **Wu C**, Lange A.J., and Herrera J. Regulation of hepatic levels of HNF-1/HNF-4 by fructose-2, 6-bisphosphate. *Diabetes* 2001,50(suppl 2):A409.
4. **Wu C.**, Okar D.A., Peng, L-J., and Lange A.J. Decreasing fructose-2,6-bisphosphate leads to diabetic phenotype in normal mice. *Diabetes* 2002,51(suppl 2):A319.
5. **Wu C.**, Okar D.A., Peng, L-J., and Lange A.J. Effect of fructose-2,6-bisphosphate level on Akt phosphorylation. *Diabetes* 2002,51(suppl 2):A452-453.
6. Kang J., **Wu C.**, Peng L.J., and Lange A.J. The interactions between fructose-2,6-bisphosphate and hepatic glucokinase in maintaining blood glucose homeostasis. *Diabetes* 2003,52(Suppl 1): A547.
7. **Wu C.**, L.J. Peng, Okar D.A., and Lange A.J. Reduction of adiposity by increasing fructose-2, 6-bisphosphate concentration in obese mice. *Diabetes* 2003,52(suppl 1):A391.
8. **Wu C.**, Wu P., Peng L-J., Okar D.A., Harris R.A., and Lange A.J. Increasing hepatic fructose-2,6-bisphosphate content alters PDK-4 expression in extra-hepatic tissues. *Diabetes* 2003,52(suppl 1):A536.
9. Donthi R., Fan T., **Wu C.**, Lange A.J., and Epstein P. Over-Expression of kinase deficient 6-phosphofructo-2-kinase/fructose2,6-bisphosphate alters cardiac metabolism and induces mild hypertrophy. *Diabetes* 2003,52(suppl 1):A117.
10. Donthi R., **Wu C.**, McClain D., Lange A.J., Epstein P.N. Cardiac over-expression of kinase deficient PFK-2 induces insulin resistance, mild hypertrophy and sensitization to ischemia. *FASEB J* 2004,18(S):C167.
11. **Wu, C.**, Kang, J., Peng, L.J., Li, H., Hillard, C.J., Lange, A.J. Acceleration of energy expenditure by increasing hepatic glucose metabolism of obese mice. *Diabetes* 2004,53(suppl2):A411.

12. **Wu C.**, Peng L.J., Kang J., Li H., and Lange A.J. Differential effects of fructose-2,6-bisphosphate on liver and skeletal muscle fatty acid oxidation in obese mice. *Diabetes* 2005,54(suppl 1):A360-361.
13. **Wu C.**, Peng L.J., Khan S.A., Kang J., Hillard C.J., and Lange A.J. Alterations of hepatic flux by decreasing fructose-2,6-bisphosphate levels lead to insulin resistance of the liver and whole body. *Diabetes* 2005,54(suppl 1):A378.
14. Khan SA, **Wu C.**, Peng LJ, and Lange AJ. Mapping the fructose-2,6-bisphosphate signaling pathway. *FASEB J*, 2006,20(5):A959-A960 Part 2.
15. **Wu C.**, and Lange A.J. Cooperative regulation of hepatic fuel metabolism: A proteomic study of the effects of fructose-2,6-bisphosphate. *FASEB J*, 2006,20(5):A959.Part 2.
16. Guo X. (**PhD student**), Li H., and **Wu C.** (*corresponding author*). A role of PFKFB3/iPFK2 in the regulation of neuronal glycolysis and food intake. *FASEB J*. 2009 23:973.1
17. Guo X. (**PhD student**), Li H., and **Wu C.** (*corresponding author*) A role of PFKFB3/iPFK2 in the regulation of high fat diet-induced inflammation and metabolic responses. *FASEB J*. 2009,23:109.8
18. Thomas, L.N., Guo X. (**PhD student**), **C. Wu**, and Sturino, J.M. Inflammation attenuation by rosiglitazone also affects biomarkers related to host-microbiota interaction. United States National Academy of Sciences Sackler Symposium on Microbes and Health (Irvine, CA). 2009 Awarded, Graduate Student Registration Grant.
19. Li H., Guo X. (**PhD student**), Thomas L.N., Sturino J.M., and **Wu C.** (*corresponding author*) Involvement of PFKFB3/iPFK2 in the suppressive effect of rosiglitazone on diet-induced intestine inflammatory response. *FASEB J*. 2010,24:341.5
20. Guo X. (**PhD student**), Li H., and **Wu C.** (*corresponding author*) PFKFB3/iPFK2 links nutrient metabolism and overnutrition-associated adipocyte inflammatory response through controlling oxidative stress. *FASEB J*. 2010 24:543.2
21. Guo X. (**PhD student**), Xu K., Li H., Zhang W., Wang H., Zhang J., Huo Y., Chen Y.E., and **Wu C.** (*corresponding author*) Inducible 6-phosphofructo-2-kinase is involved in the anti-diabetic effect of rosiglitazone in mice. *Diabetes*, 2010,59(S1):A393
22. Guo X. (**PhD student**), Li H., Lu F., and **Wu C.** (*corresponding author*) Adipocyte PFKFB3 overexpression protects mice from diet-induced adipose tissue inflammation and systemic insulin resistance. *FASEB J*. 2011,25:337.8
23. Halim V. (**MS student**), Guo X. (**PhD student**), Li H., and **Wu C.** (*corresponding author*). A novel mechanism for the insulin-sensitizing effect of leucine in adipocytes. *FASEB J*. 2011,25:351.2
24. Guo X. (**PhD student**), Li H., Xu H. (**PhD student**), Meng C. (**PhD student**), Zhuang G., Zhou B., Lu F. **Wu C.** (*corresponding author*). A critical role for adipose tissue in regulating diet-induced liver inflammatory response. *Diabetes*, 2011,60(S1):
25. Zhuang G, Meng C, Guo X (**PhD student**), Xu H (**PhD student**), Wang G, Li H, Shi L, **Wu C.**, and Zhou B. MicroRNA-223 regulates macrophage polarization and protects mice from diet-induced insulin resistance and adipose tissue inflammation. *Circulation*, 2011;124:A17934
26. Guo X. (**PhD student**), Li H., Xu H. (**PhD student**), Meng C, and **Wu C.** (*corresponding author*). Palmitoleate supplementation dissociates liver inflammatory response from hepatic steatosis in mice. *FASEB J*. 2012,26:34.6

27. Xu H. (**PhD student**), Guo X. (**PhD student**), Li H., Woo S.L. (**MS student**), and **Wu C.** (*corresponding author*). A role for palmitoleate in regulating macrophage activation. *Experimental Biology* 2013.
28. Xu H. (**PhD student**), Guo X (**Postdoc**), Li H., Woo S.L. (**MS student**), and **Wu C.** (*corresponding author*). Metabolic regulation of adipose tissue inflammation and systemic insulin sensitivity: a role for PFKFB3 in macrophage polarization. *Circulation*, 2013;128:A18901
29. Xu H. (**PhD student**), Li H., Woo S.L. (**MS student**), Guo X., Guo T., Qi T., and **Wu C.** (*corresponding author*). Myeloid cell-specific Circadian Clock Disruption Exacerbates Diet-induced Obesity and Inflammation. *Energy Balance & Cancer* 2014, MD Anderson Cancer Center. Poster presentation
30. Woo S.L. (**PhD student**), Xu H. (**PhD student**), Li H., Guo X (**Postdoc**), Guo T. (**MS student**), Qi T. (**MS student**), Huo Y., and **Wu C.** (*corresponding author*). Metformin ameliorates diet-induced hepatic steatosis and inflammation without altering adipose phenotype. *Experimental Biology* 2014, oral presentation
31. Guo X (**Postdoc**), Guo T. (**MS student**), Li H., Pei Y. (**PhD student**), Xu H. (**PhD student**), Hu X., Zhao Y., Zhao J., and **Wu C.** (*corresponding author*). Temporal effects of peroxisome proliferator-activated receptor γ (PPAR γ) activation on macrophage inflammatory responses. *Experimental Biology* 2014, poster presentation
32. Botchlett R. (**PhD student**), Hu X (**Postdoc**), Qi T. (**MS student**), Zhao J (**Visiting PhD student**), Li H., and **Wu C.** (*corresponding author*). Macronutrients Differentially Regulate PFKFB3 Expression and Increase Inflammation in Intestinal Epithelial Cells. *Experimental Biology* 2015, poster presentation.
33. Wang Y, Xu Y, Zeng X, Zhou Y, Liu Z, **Wu C.**, Li Q, and Huo Y. Intracellular adenosine suppresses Vsmc phenotypic switch through Klf4 gene methylation. *Circulation*, 2015; 132: A14743
34. Xu Y, Yan S, Wang Y, An X, Li Q, **Wu C.**, and Huo Y. Endothelial Intracellular Adenosine Epigenetically Regulates Angiogenesis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 2015; 35: A10
35. Cai Y (**Visiting PhD student**), Zheng J (**Postdoc**), Guo X (**Postdoc**), Li H, Pei Y (**PhD student**), Xu H (**PhD student**), Botchlett R. (**PhD student**), Woo SL (**PhD student**), Chen G (**Postdoc**), Huo Y, and **Wu C.** (*corresponding author*). Adenosine 2A Receptor Deficiency Exacerbates NAFLD in both HFD-fed and MCD-fed Mice. 25th *Conference of the Asian Pacific Association for the Study of the Liver* (APASL 2016 Tokyo)
36. Cai Y (**Visiting PhD student**), Zheng J (**Postdoc**), Guo X (**Postdoc**), Li H, Pei Y (**PhD student**), Botchlett R. (**PhD student**), Woo SL (**PhD student**), Mengyang Liu (**Postdoc**), Cheng G (**Postdoc**), Huo Y, and **Wu C.** (*corresponding author*). Exacerbation of NAFLD in both HFD-fed Mice and MCD-fed Mice by Adenosine 2A Receptor Deficiency. *Experimental Biology* 2016. Oral presentation.
37. Woo SL (**PhD student**), Guo T (**MS student**), Guo X (**Postdoc**), Li H, Zheng J (**Postdoc**), Botchlett R (**PhD student**), Cai Y (**Visiting PhD student**), Li X, Li Q, Xiao X, Huo Y, and **Wu C.** (*corresponding author*). Berberine Ameliorates Hepatic Steatosis and Suppresses Liver and Adipose Tissue Inflammation in Obesity Mice Independent of AMPK. *Experimental Biology* 2016 Selected for American Society for Nutrition Emerging Leaders in Nutrition Science Poster Competition.

Book Chapters

1. Baltrusch S., **Wu C.**, Okar D.A., Tiedge M., and Lange A.J. Interaction of GK with the bifunctional enzyme 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (6PF2K/F26P₂ase). In *Glucokinase and glycemic disease: From basics to novel therapeutics*. **Frontiers in Diabetes**. Basel, Karger, 2004, 16, pp 262-274.
2. Okar D.A., **Wu C.**, and Lange A.J. Regulation of the regulatory enzyme, 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. *Adv Enzyme Regul* 2004;44(1):123-154.
3. **Wu C.**, Khan S.A., Peng L.J., and Lange A.J. Roles for fructose-2,6-bisphosphate in the control of fuel metabolism: beyond its allosteric effects on glycolytic and gluconeogenic enzymes. *Adv Enzyme Regul*, 2006, 46: 72-88.
4. Woo SL (**PhD student**), Guo T (**MS student**), and **Wu C (corresponding author)**. Hepatic lipogenesis: Nutritional control and pathophysiological relevance. (2015) Book chapter, in *Hepatic de Novo Lipogenesis and Regulation of Metabolism*, Editor: Ntambi J.

Editor-Reviewed Publications

1. **Wu C.**, Khan S.A., and Lange A.J. (*Invited review*) Regulation of glycolysis – Role of insulin. *Exp Gerontol*, 2005, 40: 894–899.
2. **Wu C.**, Okar D.A., and Lange A.J. (*Invited review*) Reduction of hepatic glucose production as a therapeutic target in the treatment of diabetes. *Curr Drug Targets-IEMD*, 2005, 5:51-59.
3. Okar D.A., Lange A.J., and **Wu C.** Interaction with PFK-2/FBP-2 is essential to glucokinase molecular physiology. *Cell Mol Life Sci* 2009, 66: 731-732.
4. Zheng J, Woo SL, Hu X, Botchlett R, Chen L, Huo Y, and **Wu C (corresponding author)**. (2015) Metformin and metabolic diseases: a focus on hepatic aspects. *Front Med*, 2015;9:173-86. doi: 10.1007/s11684-015-0384-0. PMID: 25676019.
5. Mashek DG, **Wu C (corresponding author)**. (2015) MUFAs *Adv Nutr* 2015 May 15;6(3):276-7. doi: 10.3945/an.114.005926.
6. Yu J, Marsh S, Hu J, Feng W, and **Wu C.** (2016) The pathogenesis of non-alcoholic fatty liver disease: Interplay between diet, gut microbiota, and genetic background *Gastroenterol Res Pract* 2016, in press.

V. TEACHING

A. Courses Taught (since appointment at TAMU, * guest lecture)

NUTR 470, Nutrition and Physiological Chemistry

NUTR 481, Nutrition Seminar

FSTC 489*, Special Topics in Probiotics & Microbiology

Curriculum Vitae: Chaodong Wu, MD, PhD

FSTC 489*, Special Topics in Religious and Ethnic Foods
(Renamed as NUTR/FSTC 415, NUTR/FSTC 315, and then NUTR 300)

FSTC 491, Directed undergraduate Research of Food Science

NUTR 485/491, Directed undergraduate Research of Nutrition

BIOL 613*, Cell Biology

NUTR 681, Nutrition Seminar

NUTR 691, Graduate Research of Nutrition

B. Teaching Evaluation (since appointment at TAMU)

	Student Evaluation (based on a scale of 1 to 5; 5 is the best)						
Undergraduate	FY09	FY10	FY11	FY12	FY13	FY14	FY15
NUTR 470	4.80	4.77	4.62	4.75	4.76	4.79	4.85
Graduate	FY09	FY10	FY11	FY12	FY13	FY14	FY15
NUTR 681	-	-	-	4.85	-	-	-

C. Cumulative Summary of Students/Trainees Supervised

Graduate Student committee Involvement

Degree	Since appointment at TAMU		Career	
	Chair or Co-chair	Member	Chair or Co-chair	Member
Master of Agriculture	0	0	0	0
Master of Science	3	7	3	10
PhD	7	9	7	9

Undergraduate Students, Visiting Graduate Students and Postdocs Supervised

Degree	Since Last Promotion	Career
	Supervisor	Supervisor
Undergraduate Students	11	21
Visiting PhD Students	2	2
Postdoctoral Associate	6	6

D. Seminars and Guest Lectures

TAMU seminars and guest lectures

Curriculum Vitae: Chaodong Wu, MD, PhD

1. 10/02/2007: PFKFB Genes and Metabolic Diseases, Invited talk
The Intercollegiate Faculty of Nutrition, Texas A&M University,
College Station, TX.
2. 03/26/2008: Role of Liver in Metabolic Regulation – Perspectives of Nutrition and
Physiology, Guest lecture,
FSTC 489 (Special Topics in Probiotics & Microbiology) students
3. 03/19/2009: Chinese Food and Culture, Guest lecture,
FSTC 489 (Special Topics in Religious and Ethnic Food) students
4. 03/29/2010: Chinese Food and Culture, Guest lecture
FSTC 489 (Special Topics in Religious and Ethnic Food) students
5. 09/06/2010: Novel Aspects of Overnutrition-associated Adipose Tissue
Inflammatory Response and Systemic Insulin Resistance, Invited talk
The Intercollegiate Faculty of Nutrition, Texas A&M University,
College Station, TX.
6. 11/1/2010: Chinese Food and Culture, Guest lecture
FSTC 489 (Special Topics in Religious and Ethnic Food) students
7. 02/22/2011: Regulation of Adipose Tissue Inflammatory Response and Systemic
Insulin Resistance Independent of Adiposity, Invited talk
Department of Biology, Texas A&M University, College Station, TX.
8. 03/17/2011: Role of Adipose Tissue in Fatty Liver Disease: Adiposity versus
Inflammation, Invited talk, the Institute of Bioscience and Technology,
Texas A&M Health Science Center, Houston, TX.
9. 04/14/2011: Cell Signaling: Perspectives in Nutritional Physiology, Guest lecture,
BIOL 613 (Cell Biology) students, Department of Biology, Texas A&M
University, College Station, TX.
10. 11/02/2011: Chinese Food and Culture, Guest lecture
NUTR 415 (Special Topics in Religious and Ethnic Food) students
11. 12/08/2011: Metabolic Regulation of Adipose Tissue Inflammatory Response in
Obesity, Invited talk
Cardiovascular Research Institute, Texas A&M University Health
Science Center, College Station, TX.
12. 04/12/2012: Cell Signaling: Perspectives in Nutritional Physiology, Guest lecture,
BIOL 613 (Cell Biology) students, Department of Biology, Texas A&M
University, College Station, TX.
13. 10/10/2012: Lipid and Health: Hepatic Events of Palmitoleate Supplementation,
Guest lecture, NUTR 289 (Current Perspectives in Nutrition) students
14. 10/31/2012: Chinese Food and Culture, Guest lecture
NUTR 300 (Religious and Ethnic Foods) students
15. 12/07/2012: Metabolic Regulation of Adipocyte-macrophage Crosstalk in Obesity,
Seminar talk,
The Center for Biological Clocks Research at Texas A&M
16. 05/10/2013: Circadian Clocks Regulation of Macrophage Activation and Insulin
Resistance in Obesity. Seminar talk,
The Center for Biological Clocks Research at Texas A&M
17. 09/09/2013: Health Obesity: PFKFB3 Uncoupling Fat Deposition and Inflammation,

Curriculum Vitae: Chaodong Wu, MD, PhD

- Invited talk, Toxicology seminar series, Texas A&M University, College Station, TX.
18. 10/28/2013: Chinese Food and Culture, Guest lecture
NUTR 300 (Religious and Ethnic Foods) students
 19. 05/09/2014: Myeloid Cell-specific Circadian Clock Dysregulation Exacerbates Insulin Resistance during obesity, Seminar talk,
The Center for Biological Clocks Research at Texas A&M
 20. 05/15/2014: Grand Challenge: Obesity and Metabolic Diseases
Invited talk,
COALS Grand Challenge Mini-Symposia, Texas A&M
 21. 10/31/2014: Texas A&M Nutrition Obesity Research mini-symposium
Invited talk,
College Station, Texas A&M University
 22. 11/06/2014: Circadian Dysregulation and Inflammation during Obesity
Invited talk,
Human Health and Kinesiology seminar series, Texas A&M University, College Station, TX.
 23. 11/17/2014: Chinese Food and Culture, Guest lecture
NUTR 300 (Religious and Ethnic Foods) students

Other universities (state, national, and international)

1. 02/04/2009: PFKFB Genes and Metabolic Diseases, Invited talk
UT Southwestern Medical Center at Dallas, Dallas, TX, the obesity outreach program
2. 10/17/2010: Regulation of Overnutrition-associated Adipose Tissue Inflammatory Response and Systemic Insulin Resistance: Novel Concepts, Invited talk for 110th Anniversary of Tongji Hospital
Tongji Hospital, Tongji Medical College of Huazhong University of Science and Technology, Wuhan, China
3. 10/23/2010: A Novel Role for Adipose Tissue in NAFLD/NASH, Invited talk
The Institute of Hepatology, Peking University Health Science Center, Beijing, China
4. 04/20/2012: Metabolic and Inflammatory Aspects of Palmitoleate Supplementation: Good and Bad, Invited talk
University of Illinois at Urbana Champaign, Champaign, Illinois,
5. 07/17/2012: Metabolic Regulation of Obesity-associated Risk in Relation to Atherosclerosis, Invited talk
The Third Hospital of Sun Yat-sen University, Guangzhou, China
6. 07/18/2012: Healthy Obesity: Dissociation of Fat Deposition and Inflammatory Responses in Adipose and Liver tissues, Invited talk
Union Hospital, Tongji Medical College of Huazhong University of Science and Technology, Wuhan, China
7. 11/08/2013: Uncoupling Fat Deposition and Inflammation in Obesity
Invited talk
University of North Dakota, Grand Forks, North Dakota

Curriculum Vitae: Chaodong Wu, MD, PhD

8. 07/05/2014: Circadian Clock Dysregulation and Diabetes
Invited talk
The 6th Union Hospital Endocrinology Forum, Wuhan, China
9. 07/05/2014: PFKFB3 Control of Tongue Cancer by Responding to Circadian Clock
Outputs, Invited talk
Union Hospital, Tongji Medical College, Wuhan, China
10. 07/07/2014: It's all in the timing: Circadian Clocks, Macrophage Activation, and
Insulin Resistance, Invited talk
Peking University Shenzhen Graduate School, Shenzhen, China
11. 07/08/2014: Circadian Clock Regulation of Macrophage Activation and Insulin
Sensitivity in Obesity, Invited talk
The Third Hospital of Sun Yat-sen University, Guangzhou, China
12. 07/09/2014: NAFLD Pathophysiology and Intervention: New Aspects
Invited talk
Hubei Hospital of Chinese Medicine, Hubei University of Chinese
Medicine, Wuhan, China
13. 07/14/2014: Circadian Clock Dysregulation Underlies Inflammation and Insulin
Resistance in Obesity, Invited talk
Tongji Hospital of Tongji Medical College, Wuhan, China
14. 11/10/2014: Uncoupling Fat Deposition and Inflammation in Obesity
Invited talk
Virginia Tech, Blacksburg, VA
15. 04/01/2015: Regulation of Macrophage Activation and Insulin Resistance in Obesity
Invited talk
University of Minnesota, Minneapolis, MN
16. 08/11/2015: Obesity-associated NAFLD: Pathophysiology and Intervention
Invited talk
Chongqing Medical University, Chongqing, China
17. 10/08/2015: Regulation of Macrophage Activation and Insulin Sensitivity in Obesity
Invited talk
The Children's Nutrition Research Center, Houston, Texas
18. 10/28/2015: Role for Inflammation in Pathophysiology and Intervention of NAFLD
Invited talk
Hubei Hospital of Chinese Medicine, Hubei University of Chinese
Medicine, Wuhan, China
19. 10/29/2015: Metformin Intervention of Obesity-associated NAFLD
Invited talk
The First International Biomedical Forum of Tongji Hospital, Tongji
Hospital of Tongji Medical College, Wuhan, China
20. 10/30/2015: Obesity and Metabolic Diseases: Challenges and Opportunities
Invited talk
Wuhan Polytechnic University, Wuhan, Hubei, China
21. 11/06/2015: Regulation of Macrophage Activation and Insulin Sensitivity in Obesity
Invited talk
The Institute of Molecular Medicine, UT Health Science Center at
Houston, Houston, Texas

Curriculum Vitae: Chaodong Wu, MD, PhD

22. 12/10/2015: Obesity and Metabolic Diseases: Wu Lab Research
Invited talk
Soochow University, Suzhou, Jiangsu, China
23. 12/15/2015: Regulation of Fat Deposition and Inflammation In Obesity-associated NAFLD
Invited talk
Shanghai University/the Second Military Medical University, Shanghai, China
24. 01/22/2016: Regulation of Macrophage Activation in Obesity: Roles for Metabolism and Timing
Invited talk
University of New Mexico, New Mexico
25. 02/11/2016: Metabolic and Circadian Control of Macrophage Activation in Obesity
Invited talk
Georgia State University, Atlanta, Georgia
26. 04/19/2016: Metabolic and Circadian Control of Macrophage Activation in Obesity
Invited talk
Texas Tech University, Lubbock, Texas

Professional Societies

1. 06/05/2009: Role of PFKFB3 in the Control of Adipose tissue Inflammation and Systemic Metabolism
Invited talk, *Chinese American Diabetes Association*, New Orleans, LA
2. 04/27/2010: Involvement of PFKFB3/iPKF2 in the Suppressive Effect of Rosiglitazone on Diet-induced Intestine Inflammatory Response
Oral presentation, *Experimental Biology*, Anaheim, CA
3. 04/12/2011: Adipocyte PFKFB3 Overexpression Protects Mice from Diet-Induced Adipose Tissue Inflammation and Systemic Insulin Resistance
Oral presentation, *Experimental Biology*, Washington DC
4. 04/12/2011: A Novel Mechanism for the Insulin-Sensitizing Effect of Leucine in Adipocytes
Oral presentation, *Experimental Biology*, Washington DC
5. 06/23/2011: A Critical Role for Adipose Tissue in Regulating Diet-induced Liver Inflammatory Response
Oral presentation, *Chinese American Diabetes Association*, San Diego, CA
6. 04/21/2012: Palmitoleate Supplementation Dissociates Liver Inflammatory Response from Hepatic Steatosis in Mice
Oral presentation, *Experimental Biology*, San Diego, CA
7. 03/23/2013: Is Circadian Clock Dysregulation Linked to Adipose Tissue Inflammation in Obesity?
Oral presentation, *the Southeastern and Central Texas Society for Clocks*, College Station, TX
8. 06/24/2013: Adenosine 2A receptor protects against diet-induced hepatic steatosis and insulin resistance in mice

Curriculum Vitae: Chaodong Wu, MD, PhD

9. 04/28/2014: Oral presentation, *Chinese American Diabetes Association*, Chicago, IL
Advancing nutrition knowledge on metabolic diseases through collaborative research between the US and China, International Forum – China
Invited talk, *Experimental Biology*, San Diego, CA
10. 05/18/2015: Timing Matters: Circadian Clock Control of Inflammation and Insulin Resistance in Obesity
Invited talk, *the 12th Congress of Chinese Nutrition Society*, Beijing, China
11. 06/28/2015: Circadian Clock Dysregulation Links Inflammation and Insulin Resistance in Obesity
Invited talk, *the 15th Society of Chinese Bioscientists in America (SCBA) International Symposium*, Taipei, ROC
12. 10/09/2015: Pathophysiology of fat deposition and inflammation in obesity-associated NAFLD
Invited talk, *the Kutscher Digestive Disease Research Center Symposium*, Temple, Texas
13. 11/26/2015: Berberine Improves Glucose Homeostasis and Aspects of NAFLD by Suppressing Inflammation
Invited talk, *the 5th Annual World Congress of Endocrinology-2015 & the 4th Annual World Congress of Diabetes-2015*, Kaohsiung, Taiwan, ROC
14. 12/11/2015: Intestine Inflammation during Obesity: Metabolic Regulation and Actions of PPAR γ Activation
Invited talk, Dr. Wu was selected as one of 5 Chinese American scientists to represent the Chinese American Diabetes Association *The 19th Scientific Meeting of the Chinese Diabetes Society*, Suzhou, Jiangsu, China
15. 03/23/2016: Inflammation in Obesity-associated Metabolic Diseases: Regulation and Pathophysiological Roles
Invited talk, *the North America Chinese Society for Nutrition (NACSN)'s Webinar series*, Hosted by NACSN via East Tennessee State University, Johnson City, TN
16. 04/02/2016: PFKFB3 Control of Cancer Growth by Responding to Circadian Clock Outputs
Invited talk, Annual Meeting of *Texas Society for Clocks in Biology and Medicine*, College Station, TX
17. 04/26/2016: A Role for PFKFB3 in Nutritional Control of Intestinal inflammation
Invited talk, *the 6th Annual World Congress of Molecular & Cell Biology 2016*, Dalian, China
18. 06/17/2016: A New Dinucleotide Protects Against Obesity-Associated Fatty Liver Disease
Invited talk, *the 14th Annual Congress of International Drug Discovery Science & Technology – South Korea 2016*, Gyeonggi, South Korea

VI. SERVICE

A. Leadership Role (Chair/Co-Chair/Director)

1. 04/12/2011: Co-Chair of the Nutrient-Gene Interaction mini-symposium of the American Society for Nutrition at Experimental Biology
Washington DC
2. 04/21/2012: Co-Chair of the Nutrient-Gene Interaction mini-symposium of the American Society for Nutrition at Experimental Biology
San Diego, CA
3. 07/01/2014- present:
North America Chinese Society for Nutrition
Member of Leadership Team and Director of Scientific Program
4. 08/06/2014 - 03/18/2015
Selected by the Vice President for Research of TAMU to lead Texas Nutrition Obesity research team for a proposal of TAM Nutrition Obesity Research Center
5. 09/01/2014 - 10/31/2014
Chair of the Organizing Committee for the First Texas A&M Nutrition Obesity Symposium
College Station, TX
6. 12/05/2014 - present
Selected by the College of Agriculture and Life Sciences to lead Texas Nutrition Obesity research team
7. 12/21/2014 - 03/30/2015
Chair of International Forum of China Interest Group of the American Society for Nutrition at Experimental Biology
Boston, MA
8. 06/28/2015: Co-Chair of a Metabolic Disease Mini-symposium of the 15th Society of Chinese Bioscientists in America (SCBA) International Symposium
Taipei, ROC
9. 09/01/2015 – 04/08/2016
Organizer of the Second Texas A&M Nutrition Obesity Symposium
10. 11/13/2015 – 04/04/2016
Chair of the Organizing Committee for the First Scientific Symposium of the North America Chinese Society for Nutrition
11. 11/13/2015 – 04/04/2016
Chair of International Forum of China Interest Group of the American Society for Nutrition at Experimental Biology
San Diego, CA
12. 11/27/2015: Chair of Session 2-1 at the 4th Annual World Congress of Diabetes
Kaohsiung, ROC
13. 01/06/2016 - present
Invited to serve as an Organizing Committee Member for Obesity-2016 in Dallas, TX
14. 04/27/2016: Chair of Forum 3-4: Diabetes, Obesity and Metabolic Syndrome at the

Curriculum Vitae: Chaodong Wu, MD, PhD

6th Annual World Congress of Molecular & Cell Biology 2016
Dalian, China

15. 06/17/2016: Chair of Section 6-4: Digestive System Diseases at the 14th Annual Congress of International Drug Discovery Science and Technology 2016
Seoul, South Korea

B. Service to Department, College, and University

- 2007-present: Departmental Safety Committee, member, Chair (2008 -2009)
2007-present: Departmental Facilities Committee, member, Chair (2014)
2009: Agricultural and Natural Resources Policy (ANRP) – screening committee
2009: Referee for poster section of the Intercollegiate Faculty of Nutrition Research Symposium
2010-2012: Member of graduate admission committee, Intercollegiate Faculty of Nutrition
2010-present: Departmental Award Committee, member, Co-Chair (2010-present), Chair (2012, 2013)
2011: Nutrition Interdisciplinary Degree Program (NUTR IDP) Transition Committee
2012: Departmental By-laws Committee
2012: Departmental Ad hoc Committee for Assessing Technical Knowledge
2012-present: Member of graduate admission committee, TAMU Nutrition graduate program
2013-present: Departmental Ad hoc Committee for Assessing Technical Knowledge
2013-present: Graduate Program Committee of Nutrition and Food Science
2013: Search committee for Head of Department of Nutrition and Food Science
2014-2015: Search committee for Assistant Professor of Department of Nutrition and Food Science

C. Service to National and International Societies, Organizations, and Governments

Professional Memberships and Activities

- 2001-present: Membership, American Diabetes Association
2002-2005: Full membership, Sigma Xi, The Scientific Research Society
2006: Senior editor, Medjaden Services Ltd.
2007-2012: Full membership, Intercollegiate Faculty of Nutrition
2009-present: Membership, Chinese American Diabetes Association
2009-present: Full membership, American Society of Nutrition
2012-present: ASN, committee members, Nutrient-Sensing Mechanisms
2012-present: ASN, committee members, Obesity
2014-present: Member of Leadership Team and Co-Chair of Scientific Program of the North America Chinese Society for Nutrition

Grant Review

- 2009: External reviewer for Minnesota Agriculture Extension research proposals

Curriculum Vitae: Chaodong Wu, MD, PhD

- 2009: Ad hoc reviewer for Hepatobiliary Pathophysiology Study Section – HBPP, National Institutes of Health (NIH/NIDDK)
- 2010-present: Member of peer-review committee (national), Vascular Wall Biology – Atherosclerosis study section, American Heart Association
- 2011-present: Member of peer-review committee, Life Science and Medical Science Sections, Chinese National Science Foundation
- 2012: Early Career Reviewer, Cellular Aspects of Diabetes and Obesity Study Section – CADO, National Institutes of Health (NIH/NIDDK)
- 2013: Ad hoc Reviewer, Integrative Physiology of Obesity and Diabetes Study Section – IPOD, National Institutes of Health (NIH/NIDDK)
- 2014: Ad hoc Reviewer, Heart, Lung, and Blood Program Project Review Committee – HLBPP/NIH
- 2014: Ad hoc Reviewer, Integrative Physiology of Obesity and Diabetes Study Section – IPOD, National Institutes of Health (NIH/NIDDK)
- 2015: Ad hoc Reviewer, Cellular Aspects of Diabetes and Obesity Study Section – CADO, National Institutes of Health (NIH/NIDDK)
- 2015: Ad hoc Reviewer, Integrative Physiology of Obesity and Diabetes Study Section – IPOD, National Institutes of Health (NIH/NIDDK)

Journal Review

- 2005-2008: Member of special editorial board, *Chinese J Gastroenterol Hepatol*
- 2009-present: Ad hoc reviewer for *Nutrition Research; Obesity*
- 2010-present: Ad hoc reviewer for *Experimental Biology and Medicine*
- 2010-present: Member of editorial board, *Journal of Nutrition and Food Science*
- 2012-present: Ad hoc reviewer for *British Journal of Nutrition; PLoS ONE; International Journal of Biological Sciences; Molecular and Cellular Biochemistry; Journal of Molecular Endocrinology; International Journal of Obesity; and Journal of Lipid Research; PLoS Genetics; British Journal of Nutrition*
- 2016-present: Editorial board member, *Journal of Nutritional Biochemistry*

VII. PROFESSIONAL HONORS AND AWARDS

A. Awards

- 2001: Travel Award, the Center for Diabetes Research, University of Minnesota
- 2002&2005: Pilot & Feasibility Research Award, the Minnesota Obesity Center
- 2004: Travel Award, Dept. of BMBB, University of Minnesota
- 2004: Research Award, the Minnesota Medical Foundation
- 2010: Junior Faculty Award, American Diabetes Association

Curriculum Vitae: Chaodong Wu, MD, PhD

2015: Faculty Fellow Award, Texas A&M AgriLife Research

B. Other honors

Member of special editorial board

Chinese Journal of Gastroenterology and Hepatology, 2005 - 2008

ASN/IFT Grant Writing Workshop

A grant writing workshop for American Society of Nutrition/Institute of Food Technologists (ASN/IFT) member teams for research at the nutrition-food science interface, 04/14/2008 – 04/15/2008.

Member of peer-review committee (National)

American Heart Association, Study Section of Vascular Wall Biology and Atherosclerosis. 2010-2014

Editorial board

Journal of Nutrition and Food Science, 2010 – present

American Journal of Digestive Disease, 2014 – present

Journal of Nutritional Biochemistry, 2016- present

Member of peer-review committee

2011-present

Life Science and Medical Science Sections, Chinese National Science Foundation

Early Career Reviewer

2012 Feb

Cellular Aspects of Diabetes and Obesity Study Section – CADO, National Institutes of Health (NIH/NIDDK)

Ad hoc Reviewer

2013 Dec & 2014 Feb

Integrative Physiology of Obesity and Diabetes Study Section – IPOD, National Institutes of Health (NIH/NIDDK)

2014 Feb

Heart, Lung, and Blood Program Project Review Committee – HLBP, National Institutes of Health (NIH/NHLBI)

2014 NIDDK New PI Workshop, December 2-3, 2014

Only PIs with NIH/NIDDK-funded R01 grants were invited to participate in the workshop for them to prepare R01 renewal.

C. Other Relevant Accomplishments Summary (Since appointment at TAMU)

Year	Type of Accomplishments
------	-------------------------

Curriculum Vitae: Chaodong Wu, MD, PhD

2010	News release: Gene action may lead to diabetes prevention, cure
2012	News release: Is there a 'healthy' obesity gene?
2012	Recognition by TAMU President (President's newsletter)
2014	News release: It's all in the timing