



Hao Wu

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Summary

Dr. Hao Wu's research focuses on molecular mechanism and intervention of diabetes mellitus and its complications. Dr. Wu has published 18 research articles within the past 5 years, including 6 as the first author and 12 as corresponding author (total IF 85.239; 9 with 5-year IF > 5). Four of these articles were published in *Diabetologia* (top journal in the field of diabetes, 5-year IF 6.365) and *Free Radical Biology & Medicine* (top journal in the field of redox biology, 5-year IF 6.26). Was invited to be the Lead Guest Editor of *Journal of Diabetes Research* (IF 2.949) and published a special issue entitled 'Targeting Oxidative Stress in Diabetic Complications: New Insights'. Served as a reviewer for 11 scientific journals, including premium journals such as *Food & Function* (JCR subregion 1, IF 3.29), *Journal of Functional Foods* (JCR subregion 1, IF 3.47), *Journal of Cellular and Molecular Medicine* (IF 4.252), *Toxicological Sciences* (IF 4.330) and *American Journal of Physiology* (IF 4.058), etc. Served as an abstract reviewer for Society for Redox Biology and Medicine 2017 annual meeting (Baltimore, USA). Research funding was provided by National Natural Science Foundation of China, Shandong University and Jilin University.

Education & Training

04/2018 - 01/2019 **Research Fellow**, Vanderbilt University Medical Center
 03/2013 - 03/2015 **Postdoctoral Fellow**, University of Louisville
 09/2011 - 06/2015 **Ph.D.** (Internal Medicine), Jilin University
 09/2002 - 06/2009 **Bachelor & Master** (Clinical Medicine), Jilin University

Practicing

02/2019 - Present **Professor & Cheeloo Young Scholar**
 Department of Toxicology and Nutrition,
 School of Public Health, Shandong University
 07/2009 – 01/2019 **Physician & Principal Investigator**
 Affiliated Hospital of Jilin University

Professional experience

- **Lead Guest Editor**
Journal of Diabetes Research (IF 2.949)
- **Reviewer**
Food & Function (JCR subregion 1, IF 3.29)
Journal of Functional Foods (JCR subregion 1, IF 3.47)
Journal of Cellular and Molecular Medicine (IF 4.252)
Toxicological Sciences (IF 4.330)
American Journal of Physiology – Endocrinology and Metabolism (IF 4.058)
Scientific Reports (IF 4.63)
International Journal of Molecular Sciences (IF 3.73)
Current Pharmaceutical Design (IF 2.962)
Journal of diabetes Research (IF 2.949)
Microvascular Research (IF 2.452)

Chinese Journal of Physiology (IF 1.167)

- **Abstract Reviewer for International Congress**
Society for Redox Biology and Medicine Annual Meeting (2017, Baltimore, USA)
- **Distinguished Expert**
“973” National Basic Research Program (06/2016 - 10/2018)

Funding

1. National Natural Science Foundation of China, Role of MiR-128/Nrf2 in the Initiation and Progression of Diabetic Nephropathy, 01/2017 - 12/2019, Principal Investigator.
2. Cheeloo Young Scholar Program of Shandong University, 02/2019 - 12/2023, Principal Investigator.
3. Norman Bethune Research Program of Jilin University, 01/2016 - 12/2017, Principal Investigator.

Publications Corresponding Author

1. Fuzhe Ma, Junduo Wu, Ziping Jiang, Wenlin Huang, Ye Jia, Weixia Sun, **Hao Wu**. P53/NRF2 mediates SIRT1's protective effect on diabetic nephropathy. *Biochim Biophys Acta - Molecular Cell Research*. 2019 Apr 6;1866(8):1272-1281. (IF 5.282)
2. Junduo Wu, Wenzhao Liang, Yueli Tian, Fuzhe Ma, Wenlin Huang, Ye Jia, Ziping Jiang, **Hao Wu**. Inhibition of P53/miR-34a improves diabetic endothelial dysfunction via activation of SIRT1. *Journal of Cellular and Molecular Medicine*. 2019 May;23(5):3538-3548. (IF 4.252)
3. Junduo Wu, Ziping Jiang, Haina Zhang, Wenzhao Liang, Wenlin Huang, Huan Zhang, Ying Li, Zhaohui Wang, Junnan Wang, Ye Jia, Bin Liu, **Hao Wu**. Sodium butyrate attenuates diabetes-induced aortic endothelial dysfunction via P300-mediated transcriptional activation of Nrf2. *Free Radical Biology & Medicine*. 2018 Aug. 20;124:454-465. (IF 6.326)
4. Dan Jiao, Huan Zhang, Ziping Jiang, Wenlin Huang, Zhuo Liu, Zhaohui Wang, Yonggang Wang, **Hao Wu**. MicroRNA-34a Targets Sirtuin 1 and Leads to Diabetes-induced Testicular Apoptotic Cell Death. *Journal of Molecular Medicine*. Sep;96(9):939-949. (IF 5.128)
5. Ying Li, Fuzhe Ma, Huimin Li, Yuguo Song, Huan Zhang, Ziping Jiang, **Hao Wu**. Dimethyl fumarate accelerates wound healing under diabetic condition. *Journal of Molecular Endocrinology*. 2018 Oct 15;61(4):163-172. (IF 3.636)
6. Weiying Guo, Dan Tian, Ye Jia, Wenlin Huang, Mengnan Jiang, Junnan Wang, Weixia Sun, **Hao Wu**. MDM2 controls NRF2 antioxidant activity in prevention of diabetic kidney disease. *Biochim Biophys Acta - Molecular Cell Research*. 2018 Aug;1865(8):1034-1045. (IF 5.282)
7. Huan Zhang, Xiuxia Liu, Shanshan Zhou, Ye Jia, Ying Li, Yuguo Song, Junnan Wang, **Hao Wu**. SP600125 Suppresses Keap1 Expression and Results in NRF2-mediated Prevention of Diabetic Nephropathy. *Journal of Molecular Endocrinology*. 2018 Feb;60(2):145-157. (IF 3.636)
8. **Hao Wu**, Lu Cai, Judy de Haan, Robertina Giacconi. Editorial: Targeting Oxidative Stress in Diabetic Complications: New Insights. *Journal of Diabetes Research* 2018:1-2. (IF 2.949, Editorial as Lead Guest Editor)
9. Weixia Sun, Xiuxia Liu, Haifeng Zhang, Yanyan Song, Tie Li, Xiaona Liu, Yanze Liu, Le Guo, Fuchun Wang, Ting Yang, Weiying Guo, Junduo Wu, Hang Jin, **Hao Wu**. Epigallocatechin Gallate Upregulates NRF2 to Prevent Diabetic Nephropathy via Disabling KEAP1. *Free Radical Biology & Medicine*. 2017 Apr 27;108:840-857. (IF 6.326)
10. Wenpeng Dong, Ye Jia, Xiuxia Liu, Huan Zhang, Tie Li, Wenlin Huang, Xudong Chen, Fuchun Wang, Weixia Sun, **Hao Wu**. Sodium butyrate

- activates NRF2 to ameliorate diabetic nephropathy possibly via inhibition of HDAC. *Journal of Endocrinology*. 2017 Jan;232(1):71-83. (IF 4.276)
11. Chenyu Pan, Shengzhu Zhou, Junduo Wu, Lingyun Liu, Yanyan Song, Tie Li, Lijuan Ha, Xiaona Liu, Fuchun Wang, Jingyan Tian, **Hao Wu**. NRF2 plays a critical role in both self and EGCG protection against diabetic testicular damage. *Oxidative Medicine and Cellular Longevity*. Volume 2017, Article ID 3172692. (IF 5.317)
 12. Yonggang Wang, **Hao Wu**, Ying Xin, Yang Bai, Lili Kong, Yi Tan, Feng Liu, Lu Cai. Sulforaphane Prevents Angiotensin II-Induced Testicular Cell Death via Activation of NRF2. *Oxidative Medicine and Cellular Longevity*. 2017;2017:5374897. (IF 5.317)

The First Author

1. **Hao Wu**, Junduo Wu, Shengzhu Zhou, Wenlin Huang, Ying Li, Huan Zhang, Junnan Wang, Ye Jia. SRT2104 attenuates diabetes-induced aortic endothelial dysfunction via inhibition of P53. *Journal of Endocrinology*. 2018 Apr;237(1):1-14. (IF 4.276)
2. **Hao Wu**, Lili Kong, Yi Tan, Paul Epstein, Jun Zeng, Junlian Gu, Guang Liang, Maiying Kong, Xiangmei Chen, Lining Miao, Lu Cai. C66 ameliorates diabetic nephropathy by both inhibiting miR-21 and up-regulating Nrf2 function via increase in miR-200a. *Diabetologia*. 2016 Jul;59(7):1558-68. (IF 6.365)
3. **Hao Wu**, Lili Kong, Yanli Cheng, Zhuiguo Zhang, Yangwei Wang, Manyu Luo, Yi Tan, Xiangmei Chen, Lining Miao, Lu Cai. Metallothionein plays a prominent role in the prevention of diabetic nephropathy by sulforaphane via up-regulation of Nrf2. *Free Radical Biology & Medicine*. 2015 Dec; 89: 431-42. (IF 6.326)
4. Lili Kong[#], **Hao Wu**[#], Wenhua Zhou, Manyu Luo, Yi Tan, Lining Miao, Lu Cai. Sirtuin 1: a target for kidney diseases. *Molecular Medicine*. 2015 Jan 12; 21: 87-97. (Co-first author) (IF 3.956)
5. **Hao Wu**, Shanshan Zhou, Lili Kong, Jing Chen, Wenke Feng, Jun Cai, Lining Miao, Yi Tan. Metallothionein deletion exacerbates intermittent hypoxia-induced renal injury in mice. *Toxicology Letters*. 2014 Nov 15; 232(2):340-348. (IF 3.640)
6. **Hao Wu**, Lili Kong, Shanshan Zhou, Wenpeng Cui, Feng Xu, Manyu Luo, Xiangqi Li, Yi Tan, Lining Miao. The Role of MicroRNAs in Diabetic Nephropathy. *Journal of Diabetes Research*. 2014; 2014:920134. (IF 2.949)