Studies on the pathogenesis of chronic kidney disease

He, J.

Appendices

Curriculum Vitae

Junling He was born in Wanzhou, Chongqing, China, on the 10th of March 1988. In 2006, she attended medical school at Chongqing Medical University, China, to study Clinical Medicine. She earned her bachelor's degree in 2011. In the same year, she got 3-year National Scholarship for a postgraduate medical student and started her master program in Clinical Medicine at Chongqing Medical University, China. From 2011-2014, she completed the internal medicine clinical rotations at the First Affiliated Hospital of Chongqing Medical University, China. In 2012, she obtained the qualification for practicing physician in China. During her master studies, she participated in several scientific research projects on kidney diseases under the supervision of Prof. Xiaogang Du. She obtained her master's degree in 2014. In 2015, she was awarded 4-year financial support from China Scholarship Council for a PhD study at Leiden University, the Netherlands. In 2015, she became a PhD candidate at the Department of Animal Sciences, Institute of Biology Leiden, Leiden University and the Department of Pathology of the Leiden University Medical Center, the Netherlands. She started the work of studies on the pathogenesis of chronic kidney disease under the supervision of Prof. J.A. Bruijn, Prof. H.P. Spaink, and Dr J.J. Baelde. She presented her research at the American Society of Nephrology (ASN) kidney week (San Diego, 2017) and the Dutch Nephrology Days (Veldhoven, 2018). The results of the research were published in peer-reviewed international scientific journals and are presented in this thesis. Currently, she is working on a project about the applications of artificial intelligence in renal pathology under the supervision of Dr J. Kers at the Department of Pathology, Leiden University Medical Center, the Netherlands.

List of Publications

Junling He*, Yi Ding*, Natalia Nowik, Charel Jager, Muhamed N H Eeza, A Alia, Hans J Baelde, Herman P Spaink. *Leptin deficiency affects glucose homeostasis and results in adiposity in zebrafish*. * These authors contributed equally to this work.
J Endocrinol. 2021 May;249(2):125-134.

Junling He, Kyra L Dijkstra, Kim Bakker, Pascal Bus, Jan A Bruijn, Marion Scharpfenecker, Hans J Baelde. *Glomerular clusterin expression is increased in diabetic nephropathy and protects against oxidative stress–induced apoptosis in podocytes*.
Sci Rep. 2020 Sep 10;10(1):14888.

Inge Everaert*, **Junling He***, Maxime Hanssens*, Jan Stautemas, Kim Bakker, Thomas Albrecht, Shiqi Zhang, Thibaux Van der Stede, Kenneth Vanhove, David Hoetker, Michael Howsam, Frédéric J Tessier, Benito Yard, Shahid P Baba, Hans J Baelde, Wim Derave. *Carnosinase-1 overexpression, but not aerobic exercise training, affects the development of advanced diabetic nephropathy in BTBR ob/ob mice*. * These authors contributed equally to this work.
Am J Physiol Renal Physiol. 2020 Apr 1;318(4):F1030-F1040.

Yi Ding, Mariëlle C Haks, Gabriel Forn-Cuní, **Junling He**, Natalia Nowik, Amy C. Harms, Thomas Hankemeier, Muhamed N. H. Eeza, Jörg Matysik, A. Alia, Herman P. Spaink. *Metabolomic and transcriptomic profiling of adult mice and larval zebrafish leptin mutants reveal a common pattern of changes in metabolites and signaling pathways.*
Cell Biosci. 2021 Jul 7;11(1):126.

Xu-Shun Jiang*, Xing-Yang Xiang*, Xue-Mei Chen, **Jun-Ling He**, Ting Liu, Hua Gan, Xiao-Gang Du. *Inhibition of soluble epoxide hydrolase attenuates renal tubular mitochondrial dysfunction and ER stress by restoring autophagic flux in diabetic nephropathy*. * These authors contributed equally to this work.
Cell Death Dis. 2020 May 21;11(5):385.

Xu-Shun Jiang, Xue-Mei Chen, Wei Hua, **Jun-Ling He**, Ting Liu, Xun-Jia Li, Jiang-Min

Wan, Hua Gan, Xiao-Gang Du. *PINK1/Parkin Mediated Mitophagy Ameliorates Palmitic Acid-Induced Apoptosis Through Reducing Mitochondrial ROS Production in Podocytes*. Biochem Biophys Res Commun. 2020 May 14;525(4):954-961.

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