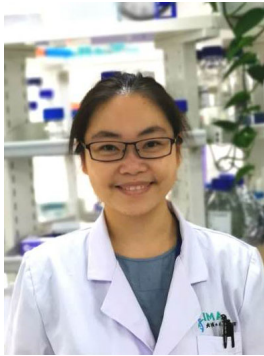


Biosketch



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Studied clinical medicine in Tongji Medical University, Wuhan, China. She received her MD in Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China in 2011. She visited and studied in the Institute of Virology, Essen, Germany for two years during 2008-2011. She worked in the Wuhan Institute of Virology, Chinese Academy of Sciences till 2020. In 2020, she moved to the Medical Science Research Center, Zhongnan Hospital of Wuhan University, and continued the scientific research as an associated Professor there.

Her research is focused on the modulation of the immune microenvironment and adaptive immune responses by innate immune molecules. Her goal is to investigate how the systemic and hepatic local T cell responses is regulated by TLRs and inflammasome pathways and the underlying cell-cell interaction. Her studies contains the peripheral and local immune responses and their associated immunopathology and immunomodulatory treatments induced by chronic hepatitis B virus, COVID-19 and chikungunya virus. She also investigate the role of immunometabolic modulation on T cells in the non-infectious chronic liver diseases.

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Selected Publications:

1. Yan H, Zhong M, Yang J, Guo J, Yu J, Yang Y, Ma Z, Zhao B, Zhang Y, Wang J, Wu C, Dittmer U, Yang D, Lu M, **Zhang E**,# Yan H.# 2020. TLR5 activation in hepatocytes alleviates the functional suppression of intrahepatic CD8(+) T cells. *Immunology*.
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3. Li Q, Yan Y, Liu J, Huang X, Zhang X, Kirschning C, Xu HC, Lang PA, Dittmer U, **Zhang E**,# Lu M. 2019. Toll-Like Receptor 7 Activation Enhances CD8+ T Cell Effector Functions by Promoting Cellular

Glycolysis. *Frontiers in immunology* 10:2191.

4. **Zhang E**, Yan H, Li Q, Dittmer U, Yan H, Lu M. 2019. Activation of the TLR signaling pathway in CD8+ T cells counteracts liver endothelial cell-induced T cell tolerance. *Cellular & molecular immunology* 16:774-776.

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Research Group

Staffs:

MS and MD/PhD Students: