

Lu Shiying

Professor

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SHORT BIOGRAPHY:

LU Shiying obtained her PhD degree in Veterinary Medicine from Jilin University in 2007, Now she is a Professor and Ph.D./M.A. supervisor of Key Laboratory of Zoonosis Research of Ministry of Education, College of Veterinary Medicine, Jilin University. She had a one-year exchange visit to the University of Pennsylvania of USA in 2015. She has been teaching and conducting research in the field of veterinary public health for more than a decade. The researches mainly include rapid detection of toxic and harmful contaminants in animal original food and bovine early pregnancy factor, as well as rapid detection and development of novel tolerogens of red meat endogenous hazard factor Neu5Gc, etc. She hosted a number of projects including 2 projects of the National Natural Fund of China. She has published more than 60 papers in recent years including 20 SCI papers as the first or corresponding author, and has published 5 textbooks.

RESEARCH INTERESTS :

- Rapid detection of toxic and hazardous contaminants in animal original food
- Red Meat Safety and Health caused by Neu5Gc

SELECTED PUBLICATIONS :

- Sheng Gong^{1#} , Honglin Ren^{1#} , Chao Lin, Pan Hu, Ruiyun Tian, Zengshan Liu, Yansong Li, Yu Zhou, Yong Yang, [Shiying Lu](#)^{*}. Immunochromatographic strip biosensor for the rapid detection of N-glycolylneuraminic acid based on aptamer-conjugated nanoparticle. *Analytical Biochemistry*. 2018, 561–562:52–58
- Hong Zhang[#], [Shiying Lu](#)[#], Honglin Ren, Ke Zhao, Yansong Li, Yuting Guan, Hanxiao Li, Pan Hu^{*} and Zengshan Liu^{*}. Cytotoxicity and degradation product identification of thermally treated ceftiofur, *RSC Adv.*, 2020, 10, 18407–18417
- Chao Lin, Zeng-Shan Liu, Cai-Yun Tan, Yi-Ping Guo, Lin Li, Hong-Lin Ren, Yan-Song Li, Pan Hu, Sheng Gong, Yu Zhou & [Shi-Ying Lu](#)^{*}. Contamination of Commercially Available Seafood by Key Diarrhetic Shellfish Poisons Along the Coast of China, *Environmental Science and Pollution Research*, 2015 , 22 (22): 1545-1553
- Sheng Gong¹, Hong-Lin Ren¹, Rui-Yun Tian, Chao Lin, Pan-Hu, Yan-Song Li, Zeng-Shan Liu, Jie Song, Feng Tang, Yu Zhou, Zhao-Hui Li, Yuan-Yuan Zhang, [Shi-Ying Lu](#)^{*}. A novel analytical probe binding to a potential carcinogenic factor of N-glycolylneuraminic acid by SELEX. *Biosensors and Bioelectronics*, 2013, 49:547-554

AWARDS:

- Basic research on rapid detection technology of food contamination immunology, The second prize of science and technology progress award of Jilin Province in 2010 (Ranked 3rd)
- Design and synthesis of nanobioprobes for food and water safety and construction of rapid detection system ,The first prize of National Commercial Science and Technology Progress in 2017(Ranked 5th)
- The advanced individual of "Imparting knowledge and Educating people" of Jilin University (2014,2011)