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Dr. Wang received her B.A. in Biology (1993) from University of Science and Technology in China, and Ph.D. in Reproductive Physiology (1998) from the State Key Laboratory of Stem Cell and Reproductive Biology, Institute of Zoology, Chinese Academy of Sciences. She was appointed Professor in 2004 in the Institute of Zoology.

Generally, the research in Dr. Wang's lab is aiming to understand the regulatory mechanisms of placenta development and pregnancy adaptation in human beings. The approach is to compare placental trophoblast cell events including invasion, apoptosis, and remodeling of uterine blood vessel happened during normal pregnancy to those occurred in clinical complications mainly including preeclampsia (PE) and recurrent spontaneous abortion (RSA), the most severe pregnancy disorders. The long-term goal of our research is to figure out reliable and specific molecular targets for early diagnosis and intervention of severe PE. At the same time, by comparing normal and abnormal pregnancies, we will get better understanding on the critical checkpoint in placenta development that governs pregnancy outcomes.

Dr. Wang has published more than 40 peer-reviewed papers in the journals including Molecular Aspects of Medicine, Hypertension, Journal of Clinical Endocrinology and Metabolism, RNA Biology, Placenta, Molecular Endocrinology, Human Reproduction, Biology of Reproduction, ect. She has been the Editorial Board members of Placenta and PLoS ONE, and the Executive Committee Member of CoLab for Pregnancy (CoLab).