

Associate Professor ZHOU Xin

College	College of Veterinary Medicine
Current Position	Professor
Types of Tutor	Doctoral Tutor
Language	Chinese/English
Education	<p>2001.09--2007.12 PhD. Nanjing Normal University, School of Life Sciences, Zoology</p> <p>2001.09--2007.12 Master, Nanjing Normal University, School of Life Sciences, Aquaculture</p> <p>1992.09-1996.07 Bachelor, Ocean University of China, School of Aquatic, Freshwater Fisheries</p>
Research Interests	<p>1. In vitro diagnosis:</p> <ul style="list-style-type: none">a) Develop ultra-sensitive virus detection and test notesb) Construct nanoprobe for detection of pathogens <p>2. Antibacterial and targeted treatment:</p> <ul style="list-style-type: none">a) Develop drug-resistant bacteriophage

	<p>reagents</p> <p>b) Develop phages that target tumor</p> <p>3. Nanovaccines: Virus vaccines based on phage</p>
<p>Selected Publications</p>	<ol style="list-style-type: none"> 1. Xin Zhou*, Chih- -Tsung Yang, et al. “Gold Nanoparticle Probe- Assisted Antigen-Counting Chip Using SEM”. ACS Appl. Mater. Inter, 2019, 11, 6769. 2. Fenglei Chen, Fang Tangt, et al and Xin Zhou*. “Fast and Highly Sensitive Detection of Pathogens Wreathed with Magnetic Nanoparticles Using Dark -Field Microscopy”. ACS Sens. 2018, 3, 2175. 3. Xin Zhou, Peng Cao, et al. Ning Gu*, Chuanbin Mao*. “Phage- mediated counting by the naked eye of miRNA molecules at attomolar concentrations in a Petri dish,” Nature Materials, 2015, 14(10): 1058. 4. Xin Zhou, Peng Cao, Yuan Tian, Jin Zhu*. “Expressed Peptide Assay with

	<p>Nanoparticle Probes,” J. Am. Chem. Soc., 2010, 132 (12): 4161.</p> <p>5. Xin Zhou, Sijing Xia, et al. Jin Zhu*.”Biomineralization-Assisted Ultrasensitive Detection of DNA,” J. Am. Chem. Soc., 2010, 132 (20) 6932.</p>
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