

# Wang Huan

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## EDUCATION BACKGROUND

**Sichuan University**

**09/2017-06/2021**

**Bachelor of Science in Bioscience**

**GPA: 3.53/4.0**

**Major GPA: 3.56/4.0**

**Honour:** The 2<sup>nd</sup> Individual Scholarship in Sichuan University

**Relevant Courses:** Immunology, Molecular Biology, Genetics, Cell Biology, Virology, Microbiology, Biochemistry, Biostatistics

**Visiting Student at Sophia University, Japan**

**01/2019-02/2019**

- Participated in the research on water environmental protection

## PUBLICATIONS

- Junjie Peng, Yongle Xiao, Xiaoping Wan, Qian Chen, Huan Wang, Jiangling Li, Jianlin Chen and Rong Gao. (2020) Enhancement of Immune Response and Anti-infection of Mice by Porcine Antimicrobial Peptides and Interleukin-4/6 Fusion Gene Entrapped in Chitosan Nanoparticles, *Vaccines* 2020, 8(3), 552
- Yaoxin Zhang, Xiaoqing He, Haochen Zhao, Wencai Xu, Heng Deng, Huan Wang, Shuyue Wang, Dan Su, Zhenlei Zheng, Bin Yang, Don Grierson, Jun Wu and Mingchun Liu, Genome-Wide Identification of DNA Methylases and Demethylases in Kiwifruit (*Actinidia chinensis*), *Frontiers in Plant Science*

## RESEARCH EXPERIENCES

**Member of the Research on the Immune Response of Combined New Porcine Cytokine Genes and *Yarrowia Lipolytica* Genetically Modified Bacteria** **10/2019-10/2020**

- Developed a novel and effective immunoregulator of porcine antimicrobial peptides and Interleukin-4/6 fusion gene as well as interleukin-17/22 (IL-17/22) gene to enhance immune response and antimicrobial function
- Participated in the experiment, analysed the research data, and co-authored a paper

**Member of the Research on the Functions of miR6157 in Plant Virus infection**

**09/2020-10/2020**

- Participated in the experiment to investigate the functions of miRNA, especially miR6157 in plant virus infection

**Member of Research on the Genome-Wide Identification of DNA Methylases and Demethylases in Kiwifruit (*Actinidia chinensis*) and the Influences on the Quality of Kiwifruit** **01/2019-04/2020**

- Undertook a genome-scale analysis of the kiwifruit methylases families and utilized transcriptomics data to discover its relative expression level in the processes of plant growth and development
- Extracted the RNA of plants and performed real-time quantitative PCR

## EXTRACURRICULAR ACTIVITIES

**Participant in the Oral History of Shu Brocade**

**06/2018-12/2018**

- Collected historical information of interviews with people having personal knowledge of Shu brocade

**Sichuan University Architectures Competition of Microorganism Application**

**06/2018-09/2018**

- Confirmed the topic to design an application to purify domestic sewages by utilizing engineering bacteria
- Collected relevant information and designed part of the experiment of microorganism
- Demonstrated the research result with PowerPoint slides and obtained the third prize in the final round

**Member of Sichuan University International Genetically Engineered Machine (iGEM) Team**

**01/2018-09/2018**

- Participated in the training of experimental skills and molecular biology and brainstormed with teammates
- Built models for the website design of iGEM team to demonstrate the awards of previous international competitions