

# Mr. Lufan Yang

Tel.: +1 (217)-418-6676; D.O.B.: 11/20/1998; E-mail: lufany2@illinois.edu

Add.: 608 E University Ave. Apt 1629, Urbana, IL, USA

## EDUCATION

### ● University of Illinois Urbana-Champaign

Aug.2022-present

Graduate student in Pathobiology

GPA:3.91/4.00

### ● University of Wageningen, Netherland

Aug.2021-Aug.2021

Online summer school "From farm to fork"

### ● Nanjing Agriculture University

Sept.2017-Jul.2022

College of Veterinary Medicine; Veterinary Medicine Major

GPA: 3.85/4.5

Degree: Bachelor Degree of Agriculture

## INTERNSHIP EXPERIENCE:

Key Laboratory of Animal Bacteriology of the Ministry of Agriculture

Oct.2021-Jan.2022

## EXTRACURRICULAR ACTIVITIES:

Monitor of Class 172

Sept.2020-Jun.2022

Sports Department of College of Veterinary Medicine, *Department Leader*

Jun.2019-Jul.2020

The school-level SRT (students' research training) project, *Project Team Leader*

Mar.2019-May.2020

## HONORS & AWARDS:

2023 NA PRRS international conference travel award, Chicago, IL

2023

University scholarship

2021

First-class scholarship for three good students (top 3%)

2021

Second-class scholarship for three good students (top 5%)

2020

Inspirational Scholarship

2019

Second-class scholarship for three good students (top 5%)

2019

Second-class scholarship for three good students (top 5%)

2018

## RESEARCH:

### ● Molecular Mechanism of PRRSV Persistence

*Current Project*

Implement scRNA-seq analysis to explore the persistence virus prtial in pig PMBC

### ● The interaction between Influenza A virus infection and microbiome

Conducting 16s rRNA seq and bulk RNA-seq to explore interaction between virus infection and microbiota richness and composition changing

Using bulk RNA-seq to find correlation between hippocampal gene expression and microbiota

### ● Prokaryotic expression of PRRSV GP5 protein and establishment of indirect ELISA

*Bachelor Graduation Research Project*

To recombination protein GP5/3m for prokaryotic expression, purification by HisSep Ni-NTA

Agarose Resin and establish the indirect ELISA

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- **Effects of deoxynivalenol (DON) on autophagy in IPEC-J2 cells**

*Student Research Training Program*

Set Porcine epithelial cell (IPEC-J2) as a cell model, which was treated with DON at different concentrations, and the effect of DON on the autophagy and apoptosis of IPEC-J2 cells was investigated by adding the autophagy inhibitor chloroquine (CQ).

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**SCIENTIFIC PRESENTATION:**

- **Lufan Yang**, Fangfeng Yuan, Shih-Hsuan Hsiao, Adrienne M. Antonson, Christopher A. Gaulke, Ying Fang. Effects of maternal vaccination on the hippocampal transcriptome and nasal microbiome of neonatal piglets infected by Influenza A virus. 2023 NAPRRS/NC229: International Conference of Swine Viral Diseases (oral and poster session)
- **Lufan Yang**, Fangfeng Yuan, Christopher A. Gaulke, Nicole Herndon, Ying Fang. A neonatal piglet model reveals interactions between nasal microbiota and influenza A virus pathogenesis. 2024 Mining Microbial Genomes meeting. (Oral presentation)

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**PUBLICATION:**

- Yuan, Fangfeng, **Lufan Yang** (co-first author), Shih-Hsuan Hsiao, Nicole L. Herndon, Christopher A. Gaulke, and Ying Fang. "A neonatal piglet model reveals interactions between nasal microbiota and influenza A virus pathogenesis." *Virology* 592 (2024): 109996.