

## **Chaoqun Huang, M.D., Ph.D.**

Associate Director, Molecular Biology Core  
Assistant Research Professor Physiological Sciences  
College of Veterinary Medicine  
Oklahoma State University

### **Contact Information:**

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### **Education:**

2004: Ph.D., Human Molecular Genetics, Fudan University

1999: M.S., Biochemistry and Molecular Biology, Suzhou Medical College

1994: M.D., Clinical Medicine, Suzhou Medical College

### **Academic Appointments:**

2018-present: Research Associate Professor, Department of Physiological Sciences, Oklahoma State University

2017-present: Associate Director, Molecular Biology Core, The Oklahoma Center for Respiratory and Infectious Diseases, Oklahoma State University

2010-2018: Research Assistant Professor, Department of Physiological Sciences, Oklahoma State University

2005-2010: Lecturer, Department of Biochemistry and Molecular Biology, Soochow University

1994-2000: Teaching Assistant, Department of Biochemistry and Molecular Biology, Suzhou Medical College

### **Awards and Honors:**

1999- First Rank Award of Zhiwei Du for Young Teacher, Suzhou Medical College

1994-First Rank Award of Chow for Excellent Student, Suzhou Medical College

### **Research Support:**

Current:

- 07/01/2017-05/31/2021: NIH/NHLBI R01 (5R01HL135152-02), "The role of lncRNAs in Pulmonary Fibrosis", Amount: \$1,500,000, Role: Co-Investigator
  - 08/01/2013-05/31/2019: NIH/NHLBI R01 (4R01HL116876-04), "miR-101 Control of Pulmonary Fibrosis", Amount: \$1,828,750, Role: Co-Investigator
- Past:
- 12/01/2017-11/30/2018: Seed Grant, Research Advisory Committee, Center for Veterinary Health Sciences, Oklahoma State University, Amount: \$15,000, Role: Principle Investigator

### **Selected Publications:**

1. Huang C, Xiao, X., Chintagari, N. R., Breshears, M., Wang, Y. and Liu, L. microRNA and mRNA expression profiling in rat acute respiratory distress syndrome. *BMC Medical Genomics*, 2014, 7:46.
2. Wang Y, Huang, C., Chintagari, N. R., Bhaskaran, M., Huang, C., Weng, T., Guo, Y. and Liu, L. miR-375 regulates alveolar epithelial cell trans-differentiation by inhibiting Wnt/ $\beta$ -catenin pathway. *Nucleic. Acids Res.* 2013, 41:3833-44.
3. Huang C, Yang, Y., and Liu, L. Interaction of lncRNAs and microRNAs in the pathogenesis of Idiopathic Pulmonary Fibrosis. *Physiol. Genomics*. 2015, 47:463-469.
4. Huang C, Xiao X, Yang Y, Mishra A, Liang Y, Zeng X, Yang X, Xu D, Blackburn MR, Henke CA et al: MicroRNA-101 attenuates pulmonary fibrosis by inhibiting fibroblast proliferation and activation. *The Journal of biological chemistry*. 2017, 292(40):16420-16439.
5. More S, Zhu Z, Lin K, Huang C, Pushparaj S, Liang Y, Sathiaselan R, Yang X, Liu L. Long non-coding RNA PSMB8-AS1 regulates influenza virus replication. *RNA Biol* 2019; 16: 340-353.