Chengxiao Han

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Education

MS in Animal Science (GPA 3.73/4), Shanghai Jiao Tong University, Shanghai, China   2021
BS in Animal Science (GPA 3.56/4), Shanghai Jiao Tong University, Shanghai, China   2018

Research Interests

Mechanisms of protein ubiquitination and deubiquitination

Research Experience

Molecular mechanism of RIG-I regulation in p97 unfolding ubiquitinated protein substrates
Graduate Researcher, advised by Dr. Man Pan   2022–
Institute of Translational Medicine, SJTU

Chicken Genome Editing using Adenoviral CRISPR-Cas9 Vector
Graduate Researcher, advised by Prof. He Meng   2017–2022
School of Agriculture and Biology, SJTU

Work Experience

Institute of Translational Medicine / Special Construction Office, SJTU
Officer, Scientific Research Office   2022

Shanghai Public Health Clinical Center, Huashan Hospital, FDU
Research Intern, advised by Dr. Shun Li   2017

Publications

Han C, et al. High precision and cost-efficient detection of CRISPR-induced low-frequency indels based on amplicon sequencing. (In submission)

Xu K*, **Han C***, et al. Effective *MSTN* gene knockout by adv-delivered CRISPR/Cas9 in postnatal chick leg muscle. *International Journal of Molecular Sciences* (2020). 10.3390/ijms21072584 (*Co-first)

Han C, et al. Efficient and accurate identification of CRISPR-induced mutations by amplicon sequencing. *World Poultry Congress 2022*, Paris, France (2022). (Oral presentation)

Han C, et al. Efficient and accurate identification of CRISPR-induced mutations by amplicon sequencing. *The 21st National Conference on Animal Genetics and Breeding*, Beijing, China (2021). (Oral presentation)

Han C, et al. A fast and accurate workflow for gene editing pattern detection and its application. *CN patent no. CN112322714A* (2020). (Filed)

Honors, Awards, and Memberships

Outstanding Graduate, SJTU   2021
National Scholarship for Postgraduate   2020
World Poultry Science Association Member   2019
Chinese Society for Cell Biology Member   2018
First-class Scholarship, SJTU   2017

Miscellaneous

Teaching: Teaching assistant (2019-2021), Mentor of undergraduates (2018-2021)

Skills: Genetic engineering, Python, RNAseq, FISH, IHC, AKTA, Western blotting, FACS, …

Language: Chinese (native), English (fluent)