

Heng Chen

heng.chen@pmb.ox.ac.uk • (+1) 520-626-7765 (Lab) • www.heng.ac.cn



EDUCATIONS

University of Oxford	[PhD • Biology]	2025-Present • UK
University of Arizona	[PhD • Plant Sciences]	2023-2024 • USA
University of Chinese Academy of Sciences	[MSc • Plant genetics and breeding]	2019-2022 • China
Nanchang University	[BEng • Bioengineering]	2014-2018 • China
Nanchang University	[BSc • Finance]	2015-2018 • China



EDITORIAL EXPERIENCES

Horticulture Research (Online)	[Academic Editing Intern]	2022.09-2024.12
- Wrote news report to introduce the recently published articles - Organized webinars		
Bio-Protocol (Online)	[Academic Editing Intern]	2022.05-2023.05
- Collected, integrated and processed the submission - Integrated and reviewed the discussion part of published protocol - Wrote and edited academic content for Bio-101		



SKILLS

- Physiological Experiments**
HPLC • GC • Amino-acid Analyzer • Grain Analyzer • Photosynthetic Apparatus • et al.
- Molecular Experiments**
qRT-PCR • Yeast Two-hybrid • Pull Down • Western Blot • ChIP • RIP • ATAC-seq • Crispr Cas9 • et al.
- Biostatistics & Bioinformatics**
R (WGCNA, DEseq2, R/qtl, et al.) • Python (Bioconductor) • SPSS Statistic • Meta-analysis • et al.



CERTIFICATES

Certificate of Academic Writing (with honor)	[Academic Writing]	H6B6A9DJH2YA
Writing in the Sciences (Stanford • Online)		
Professional Certificate of Excel and R	[Data Analysis]	5T6KV2SBD6ZA
Data Analytics with Excel and R Professional Certificate (IBM • Online)		
Certificate of Genomics	[Bioinformatics]	GPTGKLD56BK8
Genomic Data Science Specialization (JHU • Online)		
Certificate of Systems Biology	[Bioinformatics]	CKU5T46YMCXW
Systems Biology and Biotechnology Specialization (ISMMS • Online)		
Certificate of Machine Learning	[Machine Learning]	Ongoing
Machine Learning (Stanford • Online)		
MicroMasters in Statistics and Data Science	[Data Science]	Ongoing
Data Analytics and Machine Learning (MIT • Online)		



SELECTED PUBLICATIONS

- **Heng Chen[#], Changkai Liu[#], Yansheng Li, Xue Wang, Xiangwen Pan, Feifei Wang, Qiuying Zhang*** (2023). **Developmental Dynamic Transcriptome and Systematic Analysis Reveal the Major Genes Underlying Isoflavone Accumulation in Soybean**. *Frontiers in Plant Science*, 14: 114349
- **Heng Chen, Qiuying Zhang*, Xiaobing Liu** (2022). **Nutritional and Health Benefits of Soybean to Human Immunity** (Book Section). Rishi BehlEd. *Plants for Immunity* (in press)
- **Heng Chen, Xiangwen Pan, Feifei Wang, Changkai Liu, Xue Wang, Yansheng Li, Qiuying Zhang*** (2021). **Novel QTL and Meta-QTL Mapping for Major Quality Traits in Soybean**. *Frontiers in Plant Science*, 12(2773): 774270.
- **Heng Chen, Xiangwen Pan, Feifei Wang, Changkai Liu, Xue Wang, Yansheng Li, Qiuying Zhang*** (2021). **Molecular Mechanisms of Isoflavone Biosynthesis and Regulation in Soybean: A Review**. *Soils and Crops*. 10(02): 126-142. (in Chinese with English abstract)



REFERENCES

Rebecca Mosher

[Professor of University of Oxford]

- Email: rebecca.mosher@biology.ox.ac.uk

Qiuying Zhang

[Professor of IGA, CAS]

- Email: zhangqiuying@iga.ac.cn

Xiaobing Liu

[Professor of IGA, CAS]

- Email: liuxb@iga.ac.cn