

ICGI Cotton Molecular Biology and Fiber Development

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I am a Professor with over 10 years of experience at the Cotton Research Institute, Chinese Academy of Agricultural Sciences (CAAS). My expertise lies in cotton fiber development, with a particular focus on fiber elongation regulated by brassinosteroid (BR) phytohormones, alongside molecular biology, genetics, phenomics, metabolomics, and translomics. I have published over 40 SCI papers as the first or corresponding author in prestigious journals such as *The Plant Cell*, *Nature Communications*, and *Plant Biotechnology Journal*, contributing significantly to the understanding of cotton genomics. With extensive experience in cotton molecular biology, I have spearheaded studies on BR-mediated fiber development, published in journals such as *Nucleic Acids Research* and *Trends in Plant Science*, and contributed to resources like *CottonMD*. Through the international platform of ICGI, I am eager to collaborate on integrating multi-omics approaches to uncover the molecular mechanisms of fiber elongation, fostering global partnerships to advance cotton improvement. I am keen to integrate multi-omics data, including epigenomics and translomics, to uncover the dynamic regulation of fiber elongation and other critical processes. As a co-chair, I would drive the development of omics tools and databases, ensuring open access to these resources to foster international collaboration and elevate cotton fiber research to new heights. Thank you for considering me for this role.