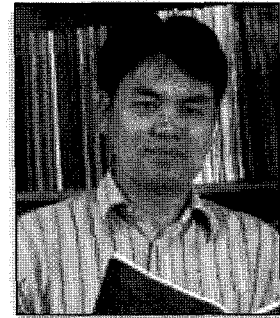


Molecular Basis of Jasmonate Action

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Jasmonate, including jasmonic acid and its derivatives, acts as a regulator in plant growth and development as well as a signal in plant defense and wound responses. JA regulates the expression of numerous genes and influences diverse processes including pollen development, fruit ripening, root growth, tendril coiling, wound responses, and resistance against insects and pathogens. Although the effect of jasmonate on plants is well defined, the mechanism involved in jasmonate signaling has yet to be elucidated. In this talk I will discuss our recent research on the molecular basis of jasmonate action via genetic, proteomic and biochemical approaches.