

## Session II    Lecture 1

# **In planta Particle bombardment (iPB) revolutionizes crop genome editing**

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### Summary

Crop genome editing has entered a commercialization stage. However, dependency on culture-based transgenic approaches hinders the application of this technology to many crop species and varieties. Our new technology, *in planta* particle bombardment (iPB), is a non-culture method that allows direct editing on the plant body and therefore circumvents many issues associated with cell culture and regeneration in a wide range of crop species. This lecture will be focused on the principle, procedure, application as well as future perspective of the iPB technology.