

# IRN France-Japan Frontiers in Plant Biology

## IRN-FJFPB

### Webinar « Photosynthesis and Metabolism »

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#### Strigolactones, how are they synthesized to regulate plant growth and development?

Strigolactones (SLs) are multifunctional plant metabolites working not only as allelochemicals in the rhizosphere, but also as a novel class of plant hormones regulating growth and development *in planta*. To date, more than 30 SLs have been characterized and recent studies using transcriptomics and reverse genetic techniques have paved the way to clarify the entire biosynthetic pathway of structurally diverse SLs. Our group mainly investigates how strigolactones are synthesized and their production and exudation are regulated. I would like to introduce our recent results.



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