



Dr Kaori Yoneyama Short CV

K Yoneyama obtained her PhD thesis in 2007 (Tokyo University of Agriculture and Technology), where she had worked on the effects of nutrients on the production and exudation of strigolactones. After a post doc in Utsunomiya University and Teikyo University in Japan on the identification of strigolactones and animal hormones in plants, respectively, and then University of Queensland in Australia on the biosynthetic pathway of strigolactones, she obtained, in 2017, a permanent position at Ehime University in Japan. Since then she established her own group at the Laboratory of Bioorganic Chemistry. She currently focuses on the elucidation of strigolactone biosynthetic pathway and its regulation mechanisms.

Selected publications

- ★Yoneyama and Brewer. **2021** Strigolactones, how are they synthesized to regulate plant growth and development? **Curr Opin Plant Biol** 63:102072
- ★Yoneyama *et al.* **2020** Hydroxyl carlactone derivatives are predominant strigolactones in *Arabidopsis*. **Plant Direct** 4, e00219
- ★Yoneyama *et al.* **2020** Do phosphate and cytokinin interact to regulate strigolactone biosynthesis or act independently? **Front Plant Sci** 11:438
- ★Yoneyama *et al.* **2018** Conversion of carlactone to carlactonoic acid is a conserved function of MAX1 homologs in strigolactone biosynthesis. **New Phytol** 218:1522-1533
- ★Brewer, Yoneyama *et al.* **2016** *LATERAL BRANCHING OXIDOREDUCTASE* acts in the final stages of strigolactone biosynthesis in *Arabidopsis*. **Proc Natl Acad Sci USA** 113: 6301-6306