



Prof. Satoko Yoshida Short CV

Satoko Yoshida obtained her PhD thesis in 2001 (A. Watanabe, The University of Tokyo) where she worked on leaf senescence in *Arabidopsis*. After a post doc in the Sainsbury Laboratory in UK and University of Munich in Germany, working on molecular mechanisms of plant symbiosis with nitrogen-fixing bacteria and arbuscular mycorrhizal fungi (2001-2006; M. Parniske), she moved to RIKEN in Yokohama, Japan, and started the work of parasitic plants as a research scientist (2006-2016, K. Shirasu). She became an associate professor in Nara Institute of Science and Technology at 2016, and established her own group. Since 2020, she is a full professor in the same institute. Her main research focus is elucidation of molecular mechanisms of interaction between hosts and parasitic plants in Orobanchaceae, especially *Striga* and *Phtheirospermum japonicum*.

Selected publications

- ✦ Masumoto *et al.* **2021** Three-dimensional reconstructions of haustoria in two parasitic plant species in the Orobanchaceae. *Plant Physiol.* **185**, 1429–1442
- ✦ Furuta *et al.* **2021** Molecular dissection of haustorium development in Orobanchaceae parasitic plants. *Plant Physiol.* **186**, 1424-1434
- ✦ Cui *et al.* **2020** Ethylene signaling mediates host invasion by parasitic plants. *Science Advances*, **6**, eabc2385
- ✦ Yoshida *et al.* **2019** Genome sequence of *Striga asiatica* provides insight into the evolution of plant parasitism. *Curr. Biol.* **29**, 3041-3052
- ✦ Yoshida *et al.* **2016** The Haustorium, a Specialized Invasive Organ in Parasitic Plants. *Ann. Rev. Plant Biol.* **67**:643-67