### Research Topic & Research Description

“Developmental mechanisms of "unusual" type of leaves.” Here are a lot of “unusual” leaves on the earth. In the previous era, we only could describe their uniqueness based on comparative morphology, but nowadays we have many hints to understand the background/mechanisms of their uniqueness from our knowledges on developmental genetics on model plants such as Arabidopsis. Yet, we need some basic data on them before applying techniques of molecular genetics to them. During this program, we wish to analyze one of unusual leaves from a developmental view point to get clues for further studies. There are four possible targets: fan-shaped Ginkgo biloba leaves; indeterminate Guarea glabra leaves; heterophylly in an amphibious plant; and an old mutant of Camellia japonica isolated in Edo era.

### Special Academic Conditions required for Research

1. **Prerequisite knowledge and/or specific skill and its proficiency**
   - High curiosity is the MUST point. Trainings on anatomy and plant biology are desired.

2. **Required study field(s)**
   - Plant Developmental Genetics/Morphology OR Molecular genetics

3. **Academic background or research project experience to be considered at selection**
   - Applicants with a background in Developmental Genetics or Plant Sciences are desirable; please mention to one of four candidate targets in which the applicant is interested.

### Lab Website


### Lab Location

Hongo Campus

### Academic Research Areas

Molecular, Cell and Developmental Biology