#### Tsukaya Lab. Our keywords are leaf morphogenesis and diversity

Reveals how and why leaves have diversified so much -Elucidation of its basic mechanisms and alterations during evolution-

We aim to understand plants using leaf morphogenesis as a keyword and take two approaches to our research. The first is developmental molecular genetics using Arabidopsis thaliana and the second is evo-devo studies using plants showing diverse morphology.

Publications (2022):

11 original research articles

2 reviews

1 book

We collaborate closely with the following researchers, specifically:

Prof. Gorou Horiguchi (Rikkyo Univ.)

Assoc. Prof. Ali Ferjani (Tokyo Gakugei Univ.)

Assoc. Prof. Keiko Sakakibara(Rikkyo Univ.)

Lab members

Professor: Hirokazu Tsukaya Asst. Prof: Hiroyuki Koga

Asst. Prof: Hokuto Nakayama

1 Postdoc

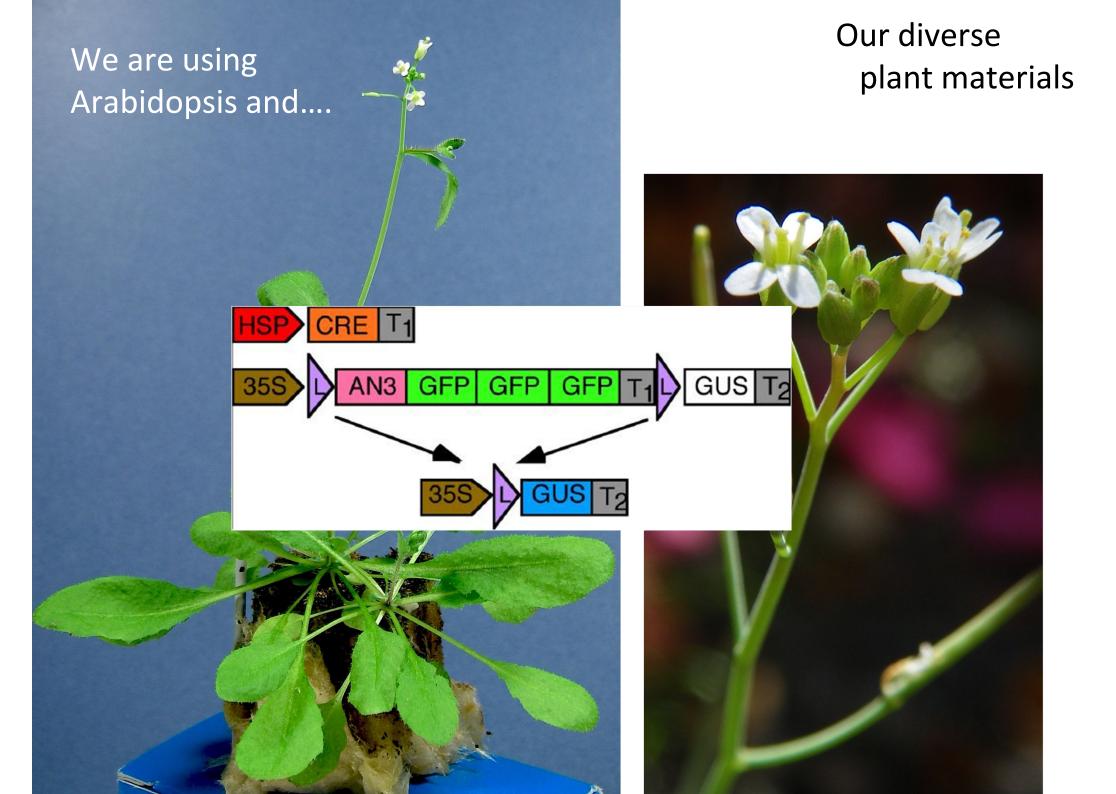
1 Doctor course student
3 Master course students

Many students have joined the Tsukaya Lab from a variety of Universities and countries: UTokyo, ICU, Tsukuba Univ., Chubu Univ., Hokkaido Univ., Tohoku Univ., Chiba Univ., Tokyo Metropolitan Univ., The University of Prince Edward Island, The University of Manchester, Zhejiang University

Many alumni are active in a variety of fields:
Rikkyo Univ, (as a Prof.), Tokyo Gakugei Univ (as an Assoc. Prof.), Saitama Univ. (as an Assoc. Prof.), Kanazawa Univ. (as an Assoc. Prof.), JSPS (chief), UC Davis (as a postdoc), and son on.

More to know:

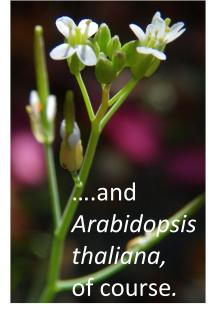
https://www.toshin.com/mirai/sekai/interview/04/https://www.chuko.co.jp/shinsho/portal/101812.html



# Our diverse plant materials

#### And other various plants





## Our diverse plant materials and people

We use a variety of techniques in our research: Developmental genetics, RNA/DNA sequencing, Imaging (Micro CT, confocal LSM) Mathmatical modeling, etc.



SCIENTIFIC REPORTS

# **PLOS GENETICS**

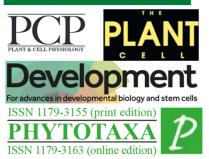
### Biophysical Journal

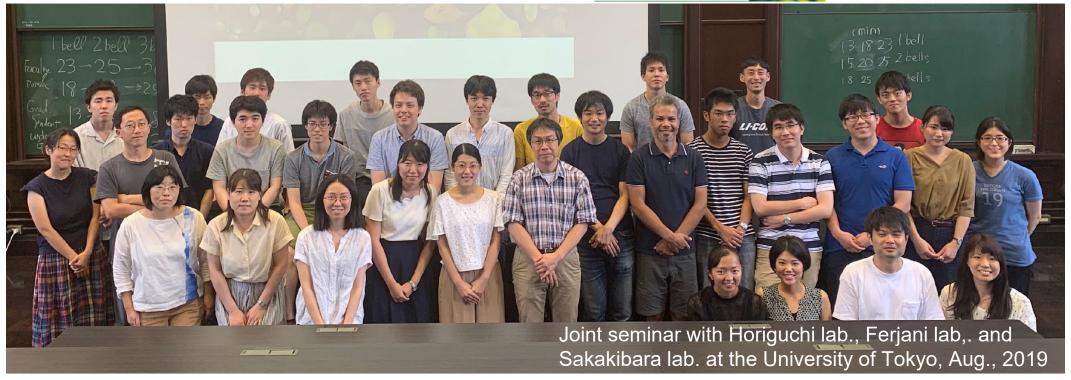












Researchers, specifically:

Prof. Gorou Horiguchi (Rikkyo Univ.)

Assoc. Prof. Ali Ferjani (Tokyo Gakugei Univ.)

Assoc. Prof. Keiko Sakakibara (Rikkyo Univ.)