

Division of Natural System	Research field	Plant Natural History	Lab. ID
			NS01
Laboratory web site	http://plant.w3.kanazawa-u.ac.jp/		
Research subjects			
Plants were diversified through geologic time and diversification still goes on. We are trying to clarify how such plant diversities were generated by using methods of taxonomy, phylogeny, anatomy, developmental biology and palaeobotany. Now, we are especially focusing on: 1) Evolution of early land plants and their body plans, 2) Evolutionary process of euphylls and developmental mechanisms behind, 3) Key regulators responsible for seed origin, 4) Vegetative history of Japan since the Mesozoic, 5) Phylogeny of (endemic) plants of Japan, 6) How asymmetrical vegetations were developed between the northern and southern hemispheres			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
[All students] You should be interested in all aspects of Biology, as well as Earth Sciences. All students should work harder than most active faculty staff of the lab who is a work addict. [Master course] We will suggest possible subjects for your research and students can chose a subject. Of course, we welcome proposals for your own theme. You are encourage to solve problems following your research plan which you made by yourself. [Doctor course] You are encouraged to find their own theme for PhD. thesis. We will be a your hyper-critical colleague who could discuss on your research, not a supervisor.			
Daily life in the laboratory, etc.			
You will have your own desk, as well as a bench. We have a meeting per week in which you will present your progress report. Exploring small Japanese style pubs is our lifework. Hearing mistress's story, we will study how we should get old. We also discuss on future perspectives of our discipline in the pubs.			
Message or comments by the laboratory faculty staffs			
We will soon get whole genome sequences of almost all organisms. Just like naturalist compared external morphologies between organisms more than 200 years ago, we will have to compare these genomic informations in near future. In other words, the era of Genomic Natural History will open. The new era should be governed by taxonomists who are the specialists of comparison between organisms. We hope you will be a leader of the era!			
Recent Master theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2017.3	Palynological analyses in the Miocene Saikawa Formation distributed in Kanazawa, Ishikawa Prefecture, central Japan		
2017.3	Classification of genus <i>Pinus</i> (Pinaceae) based on anatomical characters of cone scales		
2016.3	Reproductive evolution in Japanese <i>Angelica</i> species (Apiaceae)		
2015.3	Functional analyses of Class III Homeodomain-Leucine Zipper genes in <i>Arabidopsis</i> ovules		
2014.3	Repression mechanisms of carpelloid formation in <i>Arabidopsis</i> ovules		
2013.3	Functional characterization of <i>PpSCR1</i> in <i>Physcomitrella</i> leaf morphogenesis		
Recent Doctoral theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2014.3	Post-zygotic Hybridization Barriers in Rice Endosperm		
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