



Research Activity Report
Supported by “Leading Graduate Program in Primatology and Wildlife Science”
 (Please be sure to submit this report after the trip that supported by PWS.)

	2015. 10, 30
Affiliation/Position	Kyoto University/M1
Name	Yuko Sakurai

1. Country/location of visit
Japan, Yakushima
2. Research project
Study on Yakushima (plant team)
3. Date (departing from/returning to Japan)
2015. 10. 18 – 2015. 10. 24 (7days)
4. Main host researcher and affiliation
Leading Graduate Program in Primatology and Wild Science
5. Progress and results of your research/activity (You can attach extra pages if needed)
Please insert one or more pictures (to be publicly released). Below each picture, please provide a brief description.
<p>During this visit, I conducted research about a fern and analysis of its diversity. I collected sporophyte and gametophyte in Miyanoura, Onna, and Hanaage. Because gametophyte is very small, about 5mm, it is difficult to find them. While, when I carefully searched surface of soil or rocks to find gametophyte, I can found not only fern but also many unique moss and plants. I identified these fern by an illustrated reference book, and analyzed the species and the number of the species. In the result, the common species in Miyanoura, Onna, and Hanaage is only three, and I can see the fern in Yakushima is very various. Also, as sampling sites are farer from roads and deeper forest the number of species is increasing, and so I can consider that many species are preserved in undisturbed site. In addition, not only disturbance but also environment, for example humidity, can affect the diversity.</p> <p>The result I got in this work will be important to understand and preserve the fern diversity in Yakushima. In the future, collecting samples in many site and analysis will be necessary.</p>
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>sporophyte</p> </div> <div style="text-align: center;">  <p>gametophyte</p> </div> </div>
6. Others
During this visit, I have a very valuable experience. I am deeply grateful to prof. Shinohara, prof. Kudo, prof. Hanya, prof. Yumoto, and all staff at the PWS field station. In addition, thank you for students studied with me.