



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.)

2018.June,8

Affiliation/Position	Primate Research Institute/D1
Name	Takumasa Yokoyama

1. Country/location of visit
Japan, Kagoshima Yakushima Island
2. Research project
Field Science Course
3. Date (departing from/returning to Japan)
2018. May. 19 – 2018. May. 25 (7days)
4. Main host researcher and affiliation
Dr. Hiroshi Kudoh (Kyoto University) ; Dr. Wataru Shinohara (Kagawa University)
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>I had the opportunity to attend the Field Science Course. Participants were able to work in one of two groups; monkey and plant group. I belonged to the plant group.</p> <p>May 19: Arrived at Yakushima May 20: Collecting gametophytes and sporophytes at Onoaida May 15: Collecting gametophytes and sporophytes at Yodogo May 16: Collecting gametophytes and sporophytes at Menko May 17: Preparing for presentation May 18: Presentation May 19: Go back to PRI</p> <p>There are very few reports about fern plants in Yakushima Island. In this course, we collected gametophyte and sporophytes at 3 sites to confirm their identification by DNA analysis.</p> <p><u>Collecting gametophytes and sporophyte</u> We visited 3 sites, Onoaida, Yodogo and Menko to collect samples. After that, we confirmed identification of sporophytes and saved gametophytes for DNA analysis.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Figure 1: Sporophyte</p> </div> <div style="text-align: center;">  <p>Figure 2: Gametophyte</p> </div> </div> <p><u>Hot spring</u> After the fieldworks, we went to hot spring, Onoaida onsen every day. It was very hot I have never experienced, but very comfortable.</p>

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Identification by DNA analysis

I could not attend this lecture.

I had never studied plants. Therefore, this entire course experience was the first time for me. Everything I did was fresh and stimulating.

Our group consisted of 8 students including 2 international students. Although it was not easy to communicate with them in English especially during discussions, this course was a good opportunity to improve my English.

Moreover, these experiences I got in this course will surely help me to develop my studies and give new scientific ideas in the future.



Figure 3: *Macaca fuscata yakui*



Figure 4: *Cervus nippon yakushimae*

6. Others

I would like to express my gratitude to all organizing committee, staffs and researchers for their support. Especially thank Dr. Hiroshi Kudoh, Dr. Wataru Shinohara, and my Plant team for great help in the research and daily life. Thank all lecturers and students for their help and support during the course. I also want to express my gratitude to PWS and residents of Yakushima.