



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.)

2019.Nov. 24 th	
Affiliation/Position	Wildlife Research Center/M1
Name	Hiroto Yoshimura

1. Country/location of visit
Yakushima island, Kagoshima
2. Research project
Yakushima field course
3. Date (departing from/returning to Japan)
Nov. 16 th to Nov. 23 rd , 2019
4. Main host researcher and affiliation
PWS house Yakushima
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 field course, we collected fresh fecal samples of Yakushika deer. Feces of 3 adult males and 3 adult females were put on the litter and picked out after several hours. In laboratory course, we will measure progesterone and metabolite level of the fecal samples to investigate progesterone/metabolite ratio and whether metabolite concentration change according to time after defecation. Additionally, DNA samples of Japanese monkey were also collected.</p> <p>Many invited students from different countries joined in this course. It was exciting experience to do fieldwork with such students. For me, this is the first trip to Yakushima island. I was amazed by steep slope of this island and beautiful nature. It was difficult to estimate the age of Yakushika deer and to follow them, but observing wild deer was quite interesting since I could observe them lactating or fighting.</p>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Fig. 1: Sampling DNA of Japanese monkeys</p> </div> <div style="text-align: center;">  <p>Fig. 2: Yakushika deer resting</p> </div> </div>
6. Others