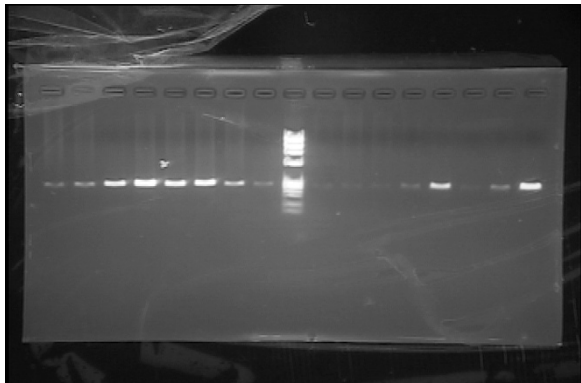



Research Activity Report
Supported by “Leading Graduate Program in Primatology and Wildlife Science”
 (Please be sure to submit this report after the trip that supported by PWS.)

2016.06.12

Affiliation/Position	Graduate school of Asian and African Area Studies / M1
Name	Ryoma OTSUKA
1. Country/location of visit	
Kyoto City : Wildlife Research Center, Kyoto University	
2. Research project	
Genome Science Course	
3. Date (departing from/returning to Japan)	
2016.05.30-2016.06.03 (5 days)	
4. Main host researcher and affiliation	
Professor Murayama (Wildlife Research Center, Kyoto 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>During 2016.05.30-2016.06.03 I joined Genome Science Course and I was a member of deer (Sika deer: <i>Cervus nippon yakushimae</i>) team in this course (I was a member of monkey team in Yakushima Field Science Course).</p> <p>2016/05/30 : DNA extraction / PCR amplification(1st time) 2016/05/31 : Sexing(1st time) / DNA extraction(2nd time)/ PCR amplification(2nd time) 2016/06/01 : Preparation for sequencing(1st time) / Sexing(2nd time) 2016/06/02 : Preparation for sequencing(2nd time) 2016/06/03 : Analyzing sequence data</p> <p>In this course I learned the way to analyze the DNA which is extracted from fecal samples of Sika deer (<i>Cervus nippon yakushimae</i>). We conducted sex identification and mitochondrial haplotype identification at WRC. Even though the method of this experiment itself is not so complicated, we had many troubles. For example, when we tried to conduct first sexing(electropresis), no band was detected. It supposed that first PCR amplification didn't work well. However, finally we got data which we had wanted. On the final day, we analyzed sequence data by using MEGA7 and FinchTV. It was really tough work than I had expected. Anyway, totally I enjoyed this course and this experience will help me in the future because these skills are essential for conservation of wildlife animals.</p>	
	
Photo1. electrophoresis	Photo2. In the labo

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Photo2. Group photo of deer team

6. Others

I really appreciate PWS leading program and Dr. Murayama, Mr. Abe, TAs and other participants of this course.