

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.)

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Affiliation/Position	Wildlife Research Center/M1
Name	Tamao Maeda

1. Country/location of visit
PRI, Inuyama, Aichi, Japan
2. Research project
Genome Science Course
3. Date (departing from/returning to Japan)
2018/11/12-2018/11/16
4. Main host researcher and affiliation
Dr. T Hayakawa, professor at PRI. Dr. T Kishida, professor at WRC.
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>The goal of this course was to obtain and analyze the mtDNA sequence of Yakusika deer and Yakushima macaques from the fecal samples collected during the Yakushima Field Science Course.</p> <p>For monkeys, we detected 3 haplotypes and found distribution change of one haplotype in 16 years. Japanese macaques are known to relatively long lifespan, 20-30 years, so it was very surprising that such change occurred in the relatively short time period.</p> <p>Since we had few deer samples, we compared the DNA sequences of another Sika deer subspecies, like Goto Islands, Kerama Islands, Kyusyu and Tsushima.</p> <p>The results were poster presented at the 9th International Seminar on Biodiversity and Evolution and we submitted a report to the lecturers. We are very glad for having nice discussions at symposiums. I look forward to data accumulation and further discovery on the genetic distribution of macaques and deer in the future course.</p>
<p>Fig 1. Haplotype network of Yakushima macaques. Different colors represent different regions where the fecal samples were collected.</p>
6. Others

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Acknowledgement: I appreciate PWS for supporting this trip. I am also grateful to Dr. T Hayakawa and. Dr. Kishida for organizing the course