



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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| | 2019/01/26 |
| Affiliation/Position | Wildlife Research Center/M1 |
| Name | Tamao Maeda |

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| 1. Country/location of visit |
| Yakushima, Japan |
| 2. Research project |
| Yakushima Field Practice |
| 3. Date (departing from/returning to Japan) |
| 2018/10/29-2018/11/09 |
| 4. Main host researcher and affiliation |
| Dr. H Sugiura, Professor at WRC. Dr. N Agetsuma, professor at Hokkaido 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. |
| (10/29-11/02 Collecting camera traps (Helping Prof. Sugiura)) **Not field practice 11/03 Other students arrival, Orientation 11/04-05 DNA course (DNA sample collection) 11/06-07 Hormone & Vocal communication course (Observation of deer in Western forestry road) 11/08 Data Analysis & Presentation 11/09 Visiting Yakusugi Land |
| <p>Before the actual field course started, I spent 5 days helping Prof. Sugiura to collect camera traps which were set in August. The cameras were set in 4 areas, two of them are secondary forests in relatively flat and low regions and other two are primary forests. Two type of forests looked very different with each other, and according to the camera trap data, the population density of deer and monkeys are higher in the secondary forests. This clear difference was very interesting because the secondary forest and primary forest are very close and the primary forest looked more flourishing for me. I wondered how they choose their habitat after they disperse from their natal group or natal territory.</p> <p>During the course, we experienced fecal sample collecting for DNA analysis of deer and macaques and hormonal analysis of deer, and vocal communication research on sika deer. Especially, I am glad to learn how to analyze vocal data using the software named Raven. Overall, the course offered a good opportunity to learn field works in the forest.</p> |
| <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Fig 2. Yakushima macaques</p> </div> <div style="text-align: center;">  <p>Fig 1. Yakushima sika deer</p> </div> </div> |

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6. Others

Acknowledgement: I appreciate PWS for supporting this trip. I am also grateful to Dr. Agetsuma, Ms, Agetsuma, Mr. Honda, Dr. Sawada, Prof. Sugiura, Mr. Suzumura and Dr. Taniguchi for organizing this course.