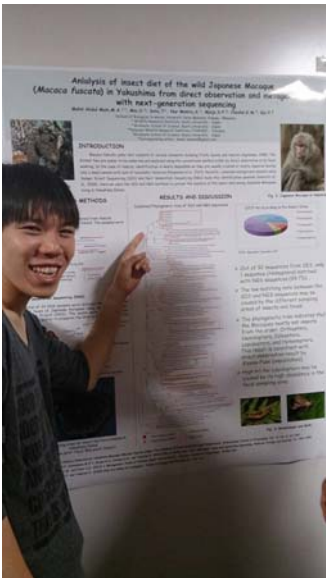


**Research Activity Report**  
**Supported by “Leading Graduate Program in Primatology and Wildlife Science”**  
 (Please be sure to submit this report after the trip that supported by PWS.)

2014. 6, 15

|                             |                                |
|-----------------------------|--------------------------------|
| <b>Affiliation/Position</b> | Graduate school of science /M1 |
| <b>Name</b>                 | Sota Takagi                    |

|  |
|--|
| <b>1. Country/location of visit</b>  |
| Japan, Kyoto University  |
| <b>2. Research project</b>   |
| Study on monkey insect diet in Yakushima by metagenomic analysis(seminar)  |
| <b>3. Date (departing from/returning to Japan)</b>   |
| 2014. 05.29 – 2014. 06. 06 (8days)   |
| <b>4. Main host researcher and affiliation</b>   |
| Dr. Takushi Kishida, Assistant professor at Wild Research Center, Kyoto University   |
| <b>5. Progress and results of your research/activity</b> (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>In this seminar course, Our group researched on monkey insect diet in Yakushima by metagenomic analysis. In Yakushima, we collected a lot of insects and monkey feces.</p> <p>Our metagenomic insect team analyzed insect genome included in monkey fecal samples, while insect team analyzed insect DNA from insects by direct sequencing. Comparing two sequences between insect genome in feces and from insects we study on what kind of insects included in monkey feces and what kind of insects monkeys in Yakushima eat.</p> <p>As a result we succeeded in making phylogenetic tree using insects mtDNA CO1 region which is given from two types of method. But we couldn't identify what kinds of insects included in monkey feces because only one sequence from fecal sample is annotated to insect sequence. So a lot of sequences are unclear. However, we analyzed phylogenetic tree and speculate what monkeys in Yakushima eat in order level.</p> <p>Based on these results, we prepare a poster and made a presentation in international seminar.</p> <p>Through this course, I learned how to analyze sequence from Miseq in computer. Using Linux and R analysis is very complicated but lectures explained comprehensively so we could understand how to use them. And I learned how to make a presentation by poster session in English because It is my first time to make a presentation and explain scientific research in English.</p> |
|   |
| <b>6. Others</b>   |

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