

Research Activity Report  
Supported by "JSPS Core-to-Core Program(International Core of Excellence for Tropical Biodiversity Conservation focusing on Large Animal Studies )" "Leading Graduate Program in Primatology and Wildlife Science"

(Please be sure to submit this report after the trip that supported by CETbio,PWS.)

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|-----------------------------|----------------------------------------------------------|
| 2018. 08, 06                |                                                          |
| <b>Affiliation/Position</b> | Indian Institute of Technology, India / Research Scholar |
| <b>Name</b>                 | Seema Sheesh Lokhandwala                                 |

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| <b>1. Country/location of visit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Yakushima Island, Japan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>2. Research project</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Study on geographic distribution of mtDNA haplotypes in Yakushima Macaques ( <i>Macaca fuscata yakui</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>3. Date (departing from/returning to Japan)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Arrive in Japan: 14/05/2018 – Depart from Japan: 15/06/2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>4. Main host researcher and affiliation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dr. Goro HANYA, Professor at Wildlife Research Centre, 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>During this visit, I conducted a week-long field course on Yakushima Island to observe the behavior of the macaques and collect fecal samples.</p> <p>I used this opportunity to learn how to collect primate fecal samples with individual IDs or identifying information. I learnt about different primate vocalizations and how crop raiding behavior influences macaques' geographic distribution.</p> <p>Through this experience, I have developed a clear vision on how to cope with the difficulties of collecting fecal samples from wild primates and how to collect and store fecal samples preventing contamination and optimizing DNA extraction in the lab. This has wide reaching implications for the future conservation of many different species. The skills I have gained are generic skills that can be applied to genetic fecal sampling of many terrestrial mammals. In particular, it will be extremely useful in my future work on mammals. It was also a wonderful experience to see the turtles laying the eggs at night.</p> <p>I happened to sprain my ankle at Yakushima and I am very grateful to the team for helping me and caring for me during my injury.</p> <p>.</p> |

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**One of the trails we walked in field to collect fecal samples for DNA extraction of Yakushima Macaques**

**6. Others**