

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.)

	2015. June, 30
Affiliation/Position	INPA National – Research Institute of the Amazon (INPA)
Name	Kyara Martins Formiga

1. Country/location of visit
Brazil, Manaus
2. Research project
Whole Genome Science Courses
3. Date (departing from/returning to Japan)
2015.05.15 – 2015. 06. 15 (30 days)
4. Main host researcher and affiliation
Dr. Takushi Kishida, Wildlife Research Center of 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>In Genome Science Course, that aims to train students in the molecular biology, from rudimentary DNA sequencing techniques to the analyses of high-through put next-generation sequencer Data. In this course, I choose the whole genome course to learn the molecular technologies of last generation and these in our area may provide integrative approaches that can contribute to a better knowledge of the Amazonian biodiversity. The course was essentially about bioinformatic in whole genomes.</p> <p>Recently the whole genome of <i>Macaca fuscata yakui</i> was sequenced by Primate Research Institute, Kyoto University. We have utilized this data and compared the genomes of <i>Macaca mulatta</i> and <i>Macaca fuscata yakui</i> to determine regions of the genome which are different between the two species.</p> <p>Through this experience, I have developed a clear vision on how use molecular data comparing whole genomes. This learn to cope with bioinformatic tools, will be of great help in the future to use in INPA for example in conservation of organisms in amazon.</p>
6. Others