

**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.)

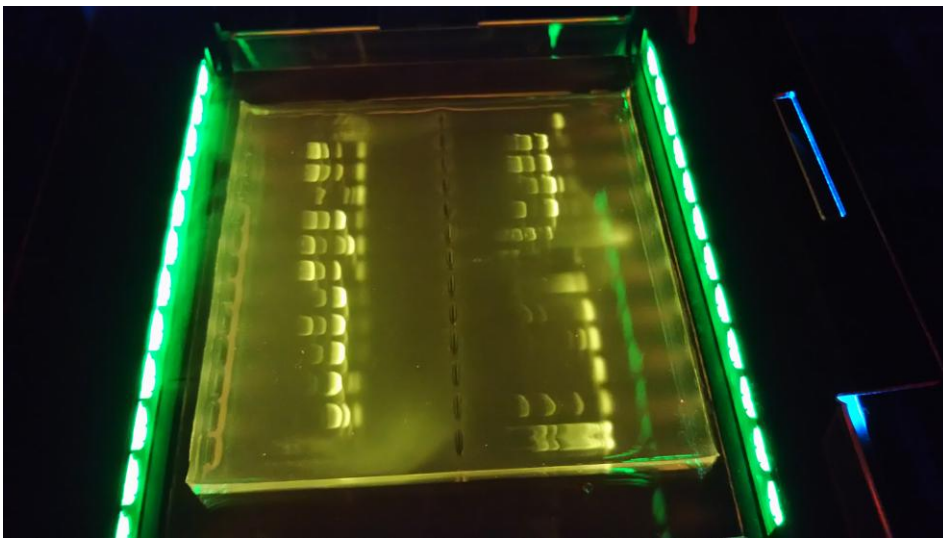
2014. MM, DD	
<b>Affiliation/Position</b>	Primate Research Institute/ Internship
<b>Name</b>	Xu Zhihong

<b>1. Country/location of visit</b>
Inuyama, Japan
<b>2. Research project</b>
Genome and Hormone examination of feces from Yakushima-macaques ( <i>Macaca fuscata yakui</i> )
<b>3. Date (departing from/returning to Japan)</b>
2016 Oct.24-Oct.28
<b>4. Main host researcher and affiliation</b>
Dr. Hayakawa, Dr. Kinoshita and Dr. Kishida
<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 week, I attended the Genome course as below. In this lesson, I was trained about the skills of feces sample processing, Genome and Hormone analyzing of feces sample. And we conclude all of our result and finished a presentation.</p> <p>Schedule        Oct 24<sup>th</sup>-25<sup>th</sup>: Genome analyze and preparation of Hormone analyze        Oct 26<sup>th</sup>-27<sup>th</sup>: Sample processing and Hormone analyzing        Oct 28<sup>th</sup>: Presentation</p> <p>In the Genome course, The main purpose is to analyze all our samples, hoping to get data of sex and hormone, which may help to prove our hypothesis.</p> <p>The Genome part is totally new for me. I have been trained for some Genome works like PCR before, but never like this time. The biggest difference between this time and previous practice is, this time I am working on my own research. Hayakawa sensei is really nice. He taught us everything just from the beginning, from the lab work safety to how to use the pipette. At first I'm not so familiar with the works, but later I start get used to it. One essential point for a perfect result is to prevent contamination, so the result can be pure. But so sad I didn't do it so well, and our result turned out to be bad. The good part of this problem is, we learn many things from this mistake, and I believe next time we will be much better.</p> <p>The Hormone part is another kind of difficult. We have to precisely move 0.1g of feces to the tube, and then purify it to extract the hormone. And, similar to the Genome part, we still need to tipper many for so many times. Our hormone result is not perfect, but we can still find out some interesting connections. In this part, I learned the method of hormone analyzing, and practice my lab work skills.</p> <p>With all data comes from the lab work, we can finally working on our result at the last day. Combining the result of Genome course and Field course, we finally come out with something. We successfully work out some explanation for our result, and finished a wonderful presentation.</p>

**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.)



Listen carefully how can we do the analysis



Our Electrophoresis result

**6. Others**

I would like to thank Dr.Hayakawa, Dr. Kinoshita, Dr. Kishida, Miss Sato and the PWS program.