

**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.)

December 26, 2019	
<b>Affiliation/Position</b>	Wildlife Research Center/M1
<b>Name</b>	Hiroto Yoshimura

<b>1. Country/location of visit</b>
Sapporo
<b>2. Research project</b>
DNA experiments of snow leopard
<b>3. Date (departing from/returning to Japan)</b>
December 22, 2019 to December 25, 2019
<b>4. Main host researcher and affiliation</b>
Dr. Hayakawa, Hokkaido 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 visit, I learned basic sample processing for microbiome analysis and metabarcoding. 5 fresh fecal samples from Tama zoological park was used. Schedule was as follows; Day1: DNA extraction, Day2: 1<sup>st</sup> PCR, Day3: 2<sup>nd</sup>PCR.</p> <p>It was almost my first time to do DNA experiment. After 1<sup>st</sup> PCR, there was no visible band but fortunately, I managed to successfully amplify the target region in 2<sup>nd</sup> PCR.</p> <p>I will work on fecal samples stored in WRC and conduct next generation sequencing at Hokkaido University.</p>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Fig. 1: Preparing for PCR</p> </div> <div style="text-align: center;">  <p>Fig. 2: Result of 2<sup>nd</sup> PCR</p> </div> </div>
<b>6. Others</b>