

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.)

2016.06.03

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| Affiliation/Position | Primate Research Institute/M1 |
| Name | Izumi NAKAMURA |

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| 1. Country/location of visit |
| Yakushima Island, Japan |
| 2. Research project |
| Field Science Course |
| 3. Date (departing from/returning to Japan) |
| 2016. 05. 21 – 2016. 05. 27 (7days) |
| 4. Main host researcher and affiliation |
| Dr. Takakazu Yumoto, Dr. Munehiro Okamoto, and Dr. Takashi Hayakawa, 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>The Field Science Course was conducted by three groups, Monkey Group, Deer Group, and Fig and Fig Wasp Group. I was a member of Fig and Fig Wasp Group.</p> <p>5/21 Arrival at Yakushima 5/22 - 24 Sampling, observation, and measurement of figs 5/25 Visit to Yakusugi Land 5/26 Presentation 5/27 Visit to Shiratani Unsuikyo. Departure from Yakushima</p> <p>There are 7 native species/varieties of figs in Yakushima Island. Fig flowers are internally located in a syconium of figs. Figs are required pollinating insects to be fertilized. The pollinating insects are called “fig wasps”. Only one species of the fig wasp acts as a pollinator of each fig species. The relationship between figs and fig wasps is mutualistic. We tried to collect leaves and syconia from as many species of figs as possible, and to collect wasps and non-pollinator insects found in syconia inside. As a result, we collected leaves and syconia from 5 fig species. After collecting syconia, we counted the number of collected syconia, recorded the percentage of light green color area in surface, diameter, and hardness of each syconium. After that, we cut each syconium to observe inside, recorded stage of maturity, and isolated insects found inside.</p> <p>It was difficult for me to make communication with international members in English, especially in transmitting my opinion exactly. Through this opportunity, I felt that I have to study more English.</p> <p>In addition, in personally I tried to memorize plants observed in Yakushima Island. Although I had a difficult time with that, I was able to understand environment of Yakushima Island. I would like to take this opportunity for my next research in Yakushima Island.</p> |

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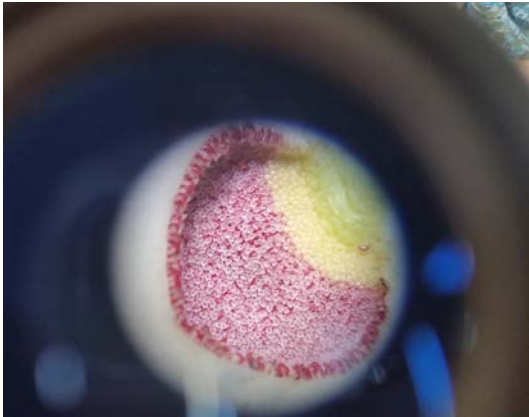


Fig 1 inside of syconium



Fig 2 *Ficus pumila*

6. Others

Field Science Course was conducted with supports of PWS program. I would like to thank PWS program and those who have worked in this course.