

(For JSPS Fellow)

Form B-5

Date (日付)

05/01/2014 (Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Mu-Yun Wang (ID No. P13074)

- Participating school (学校名): 埼玉県立熊谷高等学校

- Date (実施日時): 2/12/2013 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Sheep in wolf's clothing: predator mimicry between moth and jumping spider

(in Japanese) 狼の皮を被った羊: 蛾とクモの捕食者を装った擬態

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

First I introduced my home country (Taiwan) and the country I received my PhD (UK). I shared the cultural shock when arriving UK and Japan, and the different life style between the three countries (Taiwan, UK and Japan). Second, I explained how and why I decided to work as a researcher in biology, and the pros and cons of being a scientist. I also compared the research environments between Taiwan, UK and Japan. There are benefits and weak points in Japan academic field, and how eventually I decided to come to Japan.

In the third section I introduced part of my research, which is the predator mimicry between micromoths and jumping spiders. There were moths with eye spots and stripes on their wings, which can be mimicking jumping spider. My experiments showed that when jumping spiders encountered mimicking moths, they did not eat them. Moreover, some individuals displayed courtship display to the moths. I also looked at the possible model of the mimicry, and found the moth may mimics female spiders rather than males. I also brought some live spiders to the classroom and demonstrated the courtship behaviours of Japanese jumping spiders. Unfortunately the spiders did not display courtship display, but the students can also observe other behaviours of the jumping spiders.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 50 min (分), Q&A time (質疑応答時間) 10 min (分)

◆Lecture style (ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

Connected the laptop to a tv projector. Experiments were held.

- ◆ Interpretation (ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

I could not find an accompanied person; however, I found somebody to translate my slides into Japanese.

- ◆ Name and title of accompanied person (同行者 職・氏名)

None.

- ◆ Other note worthy information (その他特筆すべき事項):

None.

- Impressions and opinions from accompanied person (同行者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。):

None.