

(For JSPS Fellow)

Form B-5

Date (日付)

12/6/2014 (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): Briony Mamo (ID No. P12765)

- Participating school (学校名): Jr & Sr High School at Komaba, University of Tsukuba

- Date (実施日時): 31/5/2014 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Foraminifera: small size, big tool

(in Japanese) 有孔虫:小さいサイズ・大きい道具

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

During my lecture I tried to not only present to them what I do in my career but also what it is like being a scientific researcher. I hoped to make the presentation light and enjoyable. Speaking in both Japanese and English my lecture covered the following topics:

- Who I am.
- Where I am from.
- How I became a scientist.
- How I came to work in Japan.
- What I research, what foraminifera are and why they make such excellent tools in scientific research.
- What you need to consider if you're planning a career in science.

After this I led the students through one short activity that involved observing two sediment samples and the foraminifera that belonged to each. The students had to extrapolate the differences between the two samples and think of reasons for their difference. I hoped that this exercise could show students how beautiful the natural world is, even the tiny things that often go unnoticed. The exercise was also designed to show students how variable environments can be and how this is reflected in the organisms living in these ecosystems. My lecture concluded with a summary of their discussion results and some 'take home' messages to help them think about their future careers. At the end of the lesson the students were able to take home a small vial of the foraminifera they had collected during the lesson under the microscope.

- Language used (使用言語): English and Japanese

- Lecture format (講演形式):

◆Lecture time (講演時間) 90 min (分), Q&A time (質疑応答時間) 20 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))

Used projector, black board and conducted experiments using microscopes, sand, brushes, petri dishes and well slides. Small vials were given to the students so they could take home their collected foraminiferal specimens.

◆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))

Presentation was in a combination of Japanese and English. At times where understanding the English was difficult and my Japanese was insufficiently fluent, Dr Toyofuku assisted me. This was also necessary when students asked questions as they were encouraged to do so in English and sometimes did not know the correct words.

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

Dr Takashi Toyofuku and Ms Yukiko Nagai

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

Dr Toyofuku extensively participated in the presentation and question time to encourage the students to participate which greatly improved the atmosphere in the classroom. Ms Nagai was of great assistance during the exercise as she was very approachable and helpful.

- 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。):

Both Dr Toyofuku and Ms Nagai enjoyed the experience.