

(For JSPS Fellow)

Form B-5

Date (日付)

27/09/2013 (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): Yuen Yu Angela Tam (ID No. PE12564)

- Participating school (学校名): Utsunomiya Girl's High School 宇都宮女子高校

- Date (実施日時): 26・09・2013 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Life of a research scientist
(in Japanese) 研究者の生活

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

The lecture started with a brief introduction about myself and where I come from, which included presenting some similarities and differences between London and Tokyo, famous attractions in London, as well as my motivations for coming to Tokyo. The differences between the education system between England and Japan were highlighted before giving an overview of my educational history starting from the age of around 15 or 16 (similar to the age of the audience) and through the stages which led to the career position I'm in today as a postdoctoral researcher. My interest in science began during secondary school, partly through the chance to conduct small scale experiments which I found to be a lot of fun, and partly through the realisation that science is happening all around us in the everyday world. My broad area of study is in cell and molecular biology (細胞と分子生物学) so I explained what a scientist studies in this field, and then gave a short description of the clinical symptoms of a disease called scleroderma (強皮症), which is the focus of my research. Using photos, diagrams and graphs, I described briefly some of the methods used in our experiments and showed some actual results from these studies. I decided to show a scratch wound experiment as it is a method used in the laboratory to imitate the natural wound healing (創傷治癒) process, which I think most people will have experienced when they get a cut (傷口) in their skin and the cut gradually closes and heals (癒す). Lastly, I gave my reasons for why I like being a researcher, emphasizing how rewarding it is as a career yet challenging. I concluded the talk by showing a recent news article published in the New York Times about the lack of women scientists in Japan, to try and encourage the students to change the under-representation of women in research. A final piece of advice was for the students to make use of every opportunity to experience science, from listening to talks, visiting laboratories, reading science-related news articles as the only way to find out if you would enjoy a career in science is to give it a try.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 35 min (分), Q&A time (質疑応答時間) 10-15 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 and laptop to give powerpoint presentation

◆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))

English teacher from the high school provided assistance

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

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

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- 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。):