

(For JSPS Fellow)

Form B-5

Date (日付)

18/06/2015 (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): Vincent Pujol (ID No. P14755)

- Participating school (学校名): Hikawa High School

- Date (実施日時): 11/06/2015 _____ (Date/Month/Year: 日/月/年)

- Lecture title (講演題目) Feed the world with science

(in Japanese)

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

My lecture was divided into 6 sections. After each section, Ms. Miki Natori quickly summarized it in Japanese, and students were able to ask questions.

1) Introduction of my home country (landscape and food specialties), as well as myself and my studies. I emphasized the importance of English and traveling, at a scientific and personal level.

2) My field of research. I explained why plant science is so important in our society, and gave several examples of research topics. I then summarized the challenges we face for feeding the world: many people are still suffering from hunger, world population is growing and current agronomic system is resource-intensive and environmentally destructive. Plant scientists are trying to resolve these issues by developing better plants.

3) How to develop better plants. This part introduced some aspects of genetics, genomics and molecular biology. I mostly explained different breeding strategies (conventional, mutational and modern with marker assisted selection), as well as the principle and potential benefits of genetic modification.

4) How to find genes. Genetic mapping and the finding of genes of interest was explained in this section.

5) My project. I quickly introduced the importance and challenges of phosphorus and my current activities for improving phosphorus uptake in rice.

6) My working time. Finally, I quickly summarized the technical aspects of my work.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 60 min (分), Q&A time (質疑応答時間) 30 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))

Powerpoint presentation with projector

- ◆ 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))

Assistance from Ms. Miki NATORI (English teacher) who quickly summarized each section in Japanese.

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

No accompanied person

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

- 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。):