

(For JSPS Fellow)

Form B-2
(FY2018)

Date (日付)
05/12/2018 (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): Pui Ying LAM (ID No. P17103)

- Participating school (学校名): Seisho High School

- Date (実施日時): 28/12/2018 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): Science Dialogue

- Name and title of your accompanying person (講義補助者 職・氏名)
准教授・飛松裕基

- Lecture format (講演形式):
◆Lecture time (講演時間) 90 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))
Used projector, and no experiments.

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

I first introduced my hometown, Hong Kong, the reasons I became a scientist, and how to prepare to be a scientist, and then give an introductory lecture about my research on Plant Science. Hong Kong was a British colony before 1997 and is now a part of China. Because of the special history, we have our own culture, language, law and government. Encouraged by the education in high school and university, I decided to be a scientist. In particular, I was given many enlightening research opportunities in the undergraduate course. I also participate in a exchange program to study in the University of Edinburgh (Scotland) to learn more about Plant Science and I also went to Kyoto University (Japan) to conduct a part of my PhD research study. To prepare to be a scientist, I encourage to find out what you are really interested in, gain good English presentation and writing skills. My research is about Plant Science. Plants are important because they support and improve human's and other organisms' life. In addition, plant biomass, which is main regarded as cell walls, is considered a viable source for sustainable productions of biomaterials and biofuels. Researches on plant science therefore can improve our ways to produce and utilize plant biomass. My current research focus is to generate new transgenic plants with altered cell wall structure which may ultimately contribute to reducing our current reliance on fossil resources and help develop more sustainable society in the future.

- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):

Students are very curious and wanted to understand everything in the lecture. It is very important to explain the basic concepts of the research and keep everything easy to understand.

- Other noteworthy information (その他特筆すべき事項):

- Impressions and comments from the accompanying person (講義補助者の方から、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。)

貴重な機会をいただき、大変ありがとうございました。聴講した高校生にとっても、講義をする特別研究員にとっても非常に有益なプログラムだと思います。今回は、主に特別研究員の出身国(香港)と日本の文化や教育システム上の違いと特別研究員が専門とする植物科学にかんする研究の二本立ての講義でしたが、ともに聴講された高校生の興味をそそったようで良かったのではと思いました。英語については、特別研究員に極力ゆっくり、易しく喋ってもらうことが肝要です。後半のサイエンスについては、研究員がコメントしているように、中高校生は研究員が説明しきれない様々なことに興味・疑問を持ちますので、やはり教員ないしは十分に知識を持った博士研究員などが補助について、日本語での解説と中高生が英語では伝えきれない質問事項に易しく詳しく回答ことが、サイエンスを広める意味では効果的だと思います。