

(For JSPS Fellow)

Form B-5

Date (日付)

02/28/2018 (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): Jun MA (ID No. P17085)- Participating school (学校名): 京都府立城南菱創高等学校- Date (実施日時): 02/02/2018 (Date/Month/Year: 日/月/年)- Lecture title (講演題目): (in English) Advanced Cameras in Science(in Japanese) 科学における先進的なカメラ

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

This lecture first introduces the high school students in second grade the historic events of microscopy and time-resolved spectroscopy such as the basic ideas of Noble prize in chemistry 1999, 2014 and 2017. These techniques are referred to the advanced cameras that make the nature visualized to human beings. In a second step of this action, I talked about the cutting-edge method of 4D electron microscopy and list several examples of using this camera. In the third, I pointed out the observation of electron is one of the biggest challenges in the modern science. In the end, I explained why the English is so important in the research and my experience of studying and working abroad.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 45 min (分), Q&A time (質疑応答時間) 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

◆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))

Accompanied by my host professor, Professor Shu SEKI

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

Professor Shu SEKI

◆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。):

**He is my JSPS host professor and he really pay attention to Japanese education. After my presentation, he gave a lecture to in more detail and clearer way.**