

Form 3

Date (日付)

07/06/2011 (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 (参加外国人研究者氏名): Yaron R. SILBERBERG (ID No. P09102)

Participating school (参加機関(受入学校名)): Yamashiro High School

Date (実施日時): 04/06/2011 (Date/Month/Year:日/月/年) Time: from 10:00 to 12:00

Lecture title (講演題目): (in English) **Nanotechnology in Biological Research**

(in Japanese) **ナノテクノロジー生物学の研究**

Lecture summary (講演概要):

The use of Nanotechnology tools in order to better understand biological questions, such as the mechanism the human cell works. The use of Atomic Force Microscopy (AFM) in order to manipulate living cells, and imaging of the changes that happen inside the living cells in response to pressure.

Second half of lecture: Talk about Student life at University College London (UCL). My life as as undergraduate student and as a PhD student in London. Experiences + Many photos to show London and University life. I also talked about my life in Kyoto and the life as a post-doctorate researcher in Kyoto University.

Language used (使用言語): English + Japanese

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 (examples: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、プレ実験など))

PowerPoint presentation with projector

Interpreter (example: assistance by host or colleague, provided Japanese explanation by yourself)

(通訳 (例: 受入研究者によるサポート、外国人研究者本人による日本語説明))

I used my intermediate level of Japanese language together with help from the school teachers.

Name and title of assistant (協力者 職・氏名) (example: host or colleague): Mr. Akihiro Ohmichi.