

Form 3

Date (日付)

15/06/2010 (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): Philip Britz-McKibbin (ID No. P09706 )

Participating school (参加機関(受入学校名)): Yamashiro (Kyoto) 京都府立山城高等学校

Date (実施日時): 12/06/2010 (Date/Month/Year:日/月/年) Time: from 9:00AM to 12:00PM

Lecture title (講演題目): Better Living Through Chemistry: Applications to Human Health

生活向上に貢献する化学: 人の健康への適用

Lecture summary (講演概要):

Two back-to back lectures involving about 40 students each were provided in the morning (1.5 hrs x 2) at Yamashiro. The lecture was organized into three sections: 1. An introduction focused on improving Japanese students' awareness of Canadian culture, history, geography and major scientific/social achievements, 2. A brief history of my own academic background in chemistry and experiences in Japan from my postdoctoral research and 3. A basic discussion of the importance of chemistry and chemical processes in human health (e.g., food production, water purification), as well as a brief introduction of my research interests in analytical chemistry for early detection and treatment of genetic diseases in infants (e.g., galactosemia) based on analysis of metabolites present in urine or blood samples.

Language used (使用言語): English

Lecture format (講演形式):

Lecture time (講演時間) 90 min (分), Q&A time (質疑応答時間) 0 (included during lecture) 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))

Projector/powerpoint; questions/answers; student group discussions

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 spoke Japanese at times, as well as assistance from teacher (host: Oh-michi) and my wife for explaining more difficult concepts to the students. I believe that this support in combination with adequate Japanese on my slides allowed for students to largely understand the lecture.

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

Akiko Suto (wife)

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

Oh-michi-san was an excellent host and fluent in English.

Impressions and opinions of assistant (協力者から本事業に対する意見・感想等がございましたら、お願いいたします。):

Overall, my wife thought that the lecture went well, however some aspects of the chemistry may have been too advanced for students to appreciate.