

Form B-5

Date (日付)

10/02/2012 (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): Poliski, Sergej \_\_\_\_\_ (ID No. P 11672)

- Participating school (学校名): Hamamatzu Kita-High School

- Date (実施日時) 9/02/2012 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Lithium ion batteries- a "bright" future?!

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

The lecture was structured in the following way:

1. Introduction
2. History of batteries
3. Types of batteries with examples
4. Redox reactions
5. Li- ion battery, why is it better?
6. My life and experience as researcher in different countries
7. Different people-differen countries –same science
8. Experiment: lets do a coin cell together...do it yourself and feel how we do it in the laboratory (producing a coin cell, in gloves, using 2 pincettes and a petri dish with battery parts and electrodes)

I tried to speak slowly, as I understand that it is very hard for high school students to understand English in a scientific context. Furthermore, I found it important to let students ask questions also during the lecture to have a feedback of their understanding (language and science). So that I animated them to do so by asking them from time to time simple questions to see if they follow. If that was not the case Mr. Ishihara, my colleague, would ask and translate important bits and pieces.

I was happy that after a short time students relaxed and started asking questions and answering mine, whereas they tried very hard to speak English. During the experiment and after the lecture students were interested in many different things about science and were asking questions.

- Language used (使用言語) English and Japanese (colleague)

- Lecture format (講演形式):

◆Lecture time (講演時間) 150 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))

Presentation and explanation using projector and black board, then conducted an experiment with students

◆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))

Explained myself with English and little Japanese as far as I could myself and asked my colleague from Abe- laboratory to help when I saw that it might have been not fully understood

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

Mr. Ishihara, Yuya

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

I would like to thank the teacher Mr. Nakamura Masatoshi for his correspondence prior to the lecture and a kind welcome. My gratitude is dedicated to JSPS for giving me the opportunity to give something back to Japan and hopefully help to raise the interest in science in Japan in giving this lecture. I think that every JSPS fellow can help in giving such a lecture. Moreover, I would like to thank the JSPS staff, Mr. Kyoko Mitsuya for helping to organize this event and Ms. Eri Nakamura, for her time and kindness to visit the lecture and take pictures.

- 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。):

「普段、外国の方や大学生と交流する機会の少ない高校生にとっては、今回のようなプログラムは良い機会になったと思う。ただ、高校生にとっては少し高度な内容になることも多いと思うので、予備知識を得るための日本語での講演を経て (別の日程で) から英語での講演と言う流れが好ましいと思う。」