

(For JSPS Fellow)

Form B-5

Date (日付)

01/02/2017 (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): JI HA LEE (ID No. P15342)

- Participating school (学校名): Miyazaki Prefectural Miyazaki Kita High School

- Date (実施日時): 20/01/2017 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) What is supramolecular chemistry?

(in Japanese) 超分子化学とは何ですか?

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

I want to introduce supramolecular chemistry. In this year, three scientists received the Nobel Prize in chemistry. I would like to present a brief introduction of these researches. And then, I want to talk about the history of supramolecular chemistry such as "When did the supramolecular chemistry start?" Finally, I am going to talk about our research about supramolecular gels. Soft material development has seen a wealth of applications for viscoelastic systems such as organogels and hydrogels, particularly for areas including controlled release and soft tissue reconstruction. Aside from biomedical applications, gel systems have been implemented in energy capture and storage as well as sensing areas by revealing exciting responsive properties to external stimuli such as temperature, pH, light, and electric field.

- 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) 10 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))

I 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))

My host professor (Kazuo Sakurai) provided Japanese explanation by himself.

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

Name : Kazuo Sakurai , title : Professor at the University of kitakyushu.

◆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。):