

(For JSPS fellow)

Form 3

Date (日付)

04/11/2009 (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): Dung T. Le (ID No. P08618)

Participating school (参加機関(受入学校名)): Seishingakuen Senior and Junior High School

Date (実施日時): 31/10/2009 (Date/Month/Year:日/月/年) Time: from 10:00 to 13:00

Lecture title (講演題目): (in English) Creating Novel crop varieties that can produce foods in Extreme conditions

(in Japanese) 界に栄養を満たすためにバイオ・テクノロジーと「あなた」は何ができるか?

Lecture summary (講演概要):

In my presentation I gave students some ideas about the foreseeable food shortage in the future due to increasing population and decreasing of arable land as a result of climate change. In such scenario, it is important to have crop varieties that will not only survive but also produce foods in extreme conditions. I briefly presented how we could use RNAi technology to create crops that is resistant to diseases. I used a video which made freely available in the internet to tell the students basic functions of DNA, RNA and proteins. Finally, I suggested the students that they should focus on "making meaning" and "contribution" when they choose their professional in the future. I also gave them a short summary on which skill set is important to be a scientist. Finally, I tell the students from my own experience that English is important for communication for whatever professional they will choose in the future.

Language used (使用言語): ENGLISH

Lecture format (講演形式):

Lecture time (講演時間) 75 min (分), Q&A time (質疑応答時間) 25 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

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))

Slide translation provided by a friend who is a graduate student in Linguistics - Japanese. On-site interpretation provided by the school's English teacher

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

Tanya Tsoy (PhD student in Linguistics at Tsukuba University); Yoshiyuki Konishi (English Teacher at Seishin Gakuen School)

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

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。): Both assistants worked hard and seriously and contributed a lot to the success in delivering my lecture to the students.