

(For JSPS Fellow)

Form B-5

Date (日付)

(12/11/2014: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): Cosentino Salvatore (ID No. P1400)

- Participating school (学校名): Seishin Gakuen High School

- Date (実施日時): (01/11/2014:日/月/年)

- Lecture title (講演題目): (in English) From Watson and Crick To Metagenomics: A journey from the discovery of DNA to its influence in moderne culture and future of health care

(in Japanese)

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

About 40% of the lecture was about science and how it can influence everyday life. Starting from ancient Greek scientists the students learnt about the scientific method and also see how the public image of scientists has changed. The student will also have a small exeperiment in which pictures of people are shown to them and they have say if the person in the picture is a scientist or now based on their feelings. After an introduction on DNA and molecular biology the difference between genomic and metagenomic is explained with simple examples.

The lecture continues showing how metagenomic is used to understand what kind of microorganisms are causing the infection in a sick patient. The all process from the collection of the sample, to the dna extractation until the final results obtained through dna analysis is shown. The main purpose of the lecture was to get students interested in science and to give them good reasons to become scientists.

- Language used (使用言語): English (85%), Japanese (15%)

- Lecture format (講演形式): Keynote (pdf availilable)

◆Lecture time (講演時間) 100 min (分), Q&A time (質疑応答時間) 20 min (分)

◆Lecture style(ex.: used projector, conducted experiments) Projector

(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))

A projector and a white board was used during the talk. A short social experiment was conducted by showing pictures to 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))

Since I can speak some Japanese I sometimes explained in simple Japanese myself.

Must be typed

When I was not good enough staff from the high school kindly explained in Japanese what I was saying

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

XXXXXXXXX

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

XXXXXXXXX

- 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。):