

Form 3

Date (日付)
22/02/2011

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): Teh Ooi Kock (ID No. P10088)

Participating school (参加機関(受入学校名)): 福井県立藤島高等学校

Date (実施日時): 19/02/2011 (Date/Month/Year:日/月/年) Time: from 13:45 to 15:45

Lecture title (講演題目): (in English) ***Our Colourful Planet Earth: How Cell Biologist Use Fluorescent Proteins to Understand the Cellular World.***

(in Japanese)

Lecture summary (講演概要):

Mankind has always been fascinated by organisms that emit lights. During the course of natural selection, many organisms have evolved to acquire colourful appearances for their own survival advantages. In my talk, I will illustrate the exciting story behind the hunt for Green Fluorescent Protein (GFP), a scientific detour that eventually led to the joint Nobel award (2008) in Chemistry to Japanese scientist Osamu Shimomura. I will also discuss with the students how biologist exploits GFP to study cell biology in various organisms. A simple experiment will be performed at the end of the talk to demonstrate the principle of luminescence.

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) 30 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))

Lecture and experiments

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))

Most part of my presentation has explanation in Japanese provided by Mr.Okamoto

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

Keishi Okamoto, D1 students of Kyoto University

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。)