

Form B-5

Date (日付)

23/08/2011 (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): Teh Ooi Kock _____ (ID No. P10088 _____)
- Participating school (学校名): Shizuoka Prefectural Hamamatsu Minami High School
- Date (実施日時): 22/08/2011 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) Seeing the cellular world through Green Fluorescent protein
(in Japanese)
- Lecture summary (講演概要): Please summary your lecture 200-500 words.
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 discovery of 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 (95%), Japanese (5%)
- Lecture format (講演形式):
 - ◆Lecture time (講演時間) 90 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))
Power point presentation and experiments 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))
Partially Interpreted by Takagi Junpei (高木純平)
 - ◆Name and title of accompanied person (同行者 職・氏名)
Takagi Junpei (高木純平), PhD student
 - ◆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。):