

Form B-5

Date (日付)

September 8, 2012 (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): Dr. Gregory G. Y. GUIRIMAND, Osaka University, FRANCE (ID No. P11398)

- Participating school (学校名): Fukui Prefectural Koshi Senior High School

- Date (実施日時): September 8, 2012 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English)'Fluorescent Proteins: Light Your Cells!'

(in Japanese)

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

My lecture began with a short presentation of my country, France, and more specifically about the region of Tours, where I did my PhD. Then I talked about my research in France and my motivation to become a researcher too. After this I talked about how I met my Sensei, during a conference, and how I decided to come and work with him in Japan. Then I introduced my research topic in Japan, in the main lines. As my actual topic of research is very different from my original field of studies, this story is also a good way to illustrate possible interconnections that may occur between different fields of science, as a source of mutual improvement. The main body of my lecture was about the discovery and the use of Fluorescent Proteins (FP) which make an extraordinary tool which has revolutionized modern biology. We saw together through the fabulous story of the discovery of the Green Fluorescent Protein (GFP), how such a powerful tool has enabled biologists from every fields of investigation (animal-/plant-/micro- biology) to explore the incredible universe of living cells and organisms.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 60 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 a video projector for my presentation, as well as a UV lamp, a very famous 'quinine containing' soda, and luminescent fishing lures to illustrate the difference between fluorescence and luminescence

- ◆ 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))

I've been supported by OKAZAWA sensei (my sensei), and KITAGAWA sensei (english teacher from Koshi High School)

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

OKAZAWA sensei, Associate Professor at Osaka Prefecture University

- ◆ 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。)

Gregory 博士の講演は実際に炭酸飲料に UV を照射して蛍光を見せたり、ケミホタルを見せて発光との説明をしたりと随所に高校生の気を引く仕掛けがあり、こちらも参考になった。それでもやはり高校生からの反応が少なく、学生の積極的な参加を促すにはどうすれば良いか考える機会となった。