

(For JSPS Fellow)

Form B-5

Date (日付)

(24/01/2015.24日/01月/2015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): Emilio Satoshi Hara _____ (ID No. P14106)
- Participating school (学校名): (Gifu Prefectural Ena High School) 岐阜県立恵那高等学校
- Date (実施日時): (14, JANUARY, 2015)
- Lecture title (講演題目): Introduction to research in life sciences: from molecules to complex organisms.

(in Japanese)

- Lecture summary (講演概要): Please summary your lecture 200-500 words.
I plan to discuss shortly about the history of medical research in terms of health care, such as the discovery of bacteria, antibiotics and vaccination which controlled death due to infection.
I also plan to present the many types of research that can be done in the field of life science, including studies on DNA, RNA, epigenetic modifications, proteins, changes in fate of cells and tissue engineering. In this context, important historic points were the discovery of DNA and the human genome project, which opened new fields of research in the last decades. Additionally, studies on stem cells and regenerative medicine have also been saving lives by organ replacement therapies.
Finally, I will present the concept of integrative biology, and plan to discuss some future perspectives in life sciences.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 50 min (分), Q&A time (質疑応答時間) 40 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))

Used projector

◆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))

Provided Japanese explanation by myself

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

◆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。):