

(For JSPS Fellow)

Form B-5

Date (日付)

6/11/2017 (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): David Diaz Ordinario (ID No. P16348)

- Participating school (学校名): Iwate Prefectural Kamaishi High School

- Date (実施日時): 30/10/2017 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): Methods For the Detection and Monitoring of Biological Signals

- Name and title of your company (同行者 職・氏名)

- Lecture format (講演形式):

◆Lecture time (講演時間) 60 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))

Used Projector

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

The first quarter of my presentation was a brief introduction of myself both personally and professionally, followed by an introduction to my country. The second quarter of my presentation dealt with science as a career. I first explained what personally inspired me to become a scientist. Next, I gave a number of reasons to become a scientist and showed both how and why science could be an attractive career. I concluded the section by emphasizing the role and importance of English in science. The final half of my presentation was an introduction to and overview of my research. I began by introducing what biological signals are, and explaining why they are important. I showed what current methods for biological signal detection are, and explained the strengths and weaknesses of each. I then narrowed the focus to electrical-based detection methods, and started to introduce work that I have completed in this area. I showed and explained previous projects related to the theme of the talk (methods for biological signal detection and monitoring), making sure to take time to explain what I did each time and the significance/relevance of each completed project to the overall theme of the talk. Finally, I ended my talk by explaining what I currently work on, how it is a continuation of all the projects I explained previously, what the end goal is, and why the project is relevant.

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- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):

One piece of advice that I have to future participants is to either be able to explain things in Japanese or bring someone along that can explain things in Japanese. I found that some of the students could be quite shy when asking questions in English, but opened up more if allowed to ask questions in Japanese. Otherwise, have fun!

- Other noteworthy information (その他特筆すべき事項):

- Impressions and opinions from a company (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。)