

(For JSPS Fellow)

Form B-5

Date (日付)

\_\_\_\_\_ (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): Wasim Abuillan (ID No.P17704 )
- Participating school (学校名): Shizoka-kita High school
- Date (実施日時): 08/11/2017 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): What can Physics do for Biology?
- Name and title of your company (同行者 職・氏名)  
There was no company person
- Lecture format (講演形式):
  - ◆Lecture time (講演時間) 120 min (分), Q&A time (質疑応答時間) 20 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))  
Projector (power point presentation) , conducted experiment (size measurements)
- Lecture summary (講演概要): Please summary your lecture 200-500 words.  
In my lecture at Shizuoka Kita School within JSPS science dialogue, I divided the lecture into parts. First, I introduced myself, my living places from Palestine, Germany to Japan with special focus on German culture, main cities, top sport and economy. Afterwards, I talked about my motivation to study physics and become scientist and presented the reasons why I came to japan. Second, I presented my research for the students by starting by a short motivation about the topic. Then we carried out experiments involving the students to measure sizes of objects from centimeters down to micrometer size that are connected to the research topics I presented next. In the final part, I selected some case studies of my research emphasizing the importance of measuring very small sizes of cell components such as proteins, sugars and membranes and how these components related to some diseases.
- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):  
The students are high school level and english language, Thus I give the following advices i) speak extremly slowley and ask students some simple questions. ii) If you feel that the question is not understandable then provide choices for possible answers. iii) Conduct simple experiment and join students doing it (you deliver your message easily in this way)

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

I think the lecture time is very reasonable, but since one has to speak very slowly I had the feeling that I should minimize the number of power point slides and concentrate on emphasizing general terms and keywords.

- 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。)

There was no company person involved in this lecture. The English teacher from the high school itself joined and the lecture and gave a positive back about the simplicity of the presentation.