

(For JSPS Fellow)

Form B-5

Date (日付)

20/02/2018 (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): Markus Martincic (ID No. PE17031)
 - Participating school (学校名): Kasugai High School, Aichi prefecture
 - Date (実施日時): 19/02/2018 (Date/Month/Year: 日/月/年)
 - Lecture title (講演題目): Carbon Nanomaterials for Potential Biomedical Applications
 - Name and title of your company (同行者 職・氏名)
井上 司 B4
 - Lecture format (講演形式):
 - Lecture time (講演時間) 50 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))
- Power Point presentation featured on a projector, conducted experiment shown on a camera, students interaction and hands-on material.
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

The lecture contained material describing both culture and customs of Croatia, including famous touristic sites and relations with Japan. This serves the purpose of promoting my country, which is relatively small and unknown in the world. Also, my personal path that got me to a scientist position and the place where I am right now was also discussed. I have discussed different countries where I stayed and worked on my research, and hopefully students have realized the importance of the English language in that process. The second part of the lecture was focused on the research during my PhD studies, which is tightly related to the research I am conducting here in Japan. Students had the chance to not only witness experiments related to carbon nanomaterials and their properties which make them unique in materials science, but also to interact with the presenter. At the very end, interest in the topic was acknowledged through student's questions, even after the questioning time had passed.

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

Advice – be prepared for the lecture in terms of knowing what Japanese high students know about the specific topic you are presenting, because this varies depending on the country and on the individual school. I had to wait for the accompanying person to explain to students what some of the technical words mean, because I did not know they are not teaching some of those things in high schools.

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

N/A

- 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。)

Inoue:

He showed students some experience. For example, what would happen when graphite and graphene be put on a magnet, and what would happen when dispersed carbon nanotubes be on a magnet. He also showed some fullerenes which were different color respectively, and he taught why a fullerene was different color from another fullerene.

He told them what he was studying, such as peapod and nanocapsule using carbon nanotubes.

Nagata (additional accompanying person):

The lecture was very good. I think it was very good to actually pass CNT etc. to students and ask them to give opinions on the questions. Although I and Inoue could understand, it might have been a bit difficult for them. Especially for detailed professional contents. It might have been better to have a slightly rough content. And the letter was a bit small and it was hard to see occasionally. It's just my opinion. Good job!