

Form B-2
(FY2022)
Must be typed

Date (日付)
19/12/2022 (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): HUNG Chi-jung (ID No. P22106)

- Name and title of the lecture assistant (講義補助者の職・氏名)

None

- Participating school (学校名): Nagoya City Koyo Senior High School

- Date (実施日時): 16/12/2022 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):

How is the neuroscience work now?

- Lecture format (講義形式):

◆ Onsite ・ Online (Please choose one.) (対面 ・ オンライン (どちらか選択ください。))

◆ Lecture time (講義時間) 45 min (分), Q&A time (質疑応答時間) 15 min (分)

◆ Lecture style (ex.: used projector, conducted experiments)

(講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))

Presentation with projector

- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

My presentation separated into 2 parts

On the 1st part: I firstly introduced myself to the high school students that I am a postdoc in Nagoya University. I explained the position of postdoc in the academic from elementary school to professor. Next I introduced the school life in Taiwan before I come to Japan such as cram school and military training. I further compared the difference between Japan and Taiwan. For example, Japan focus on the student but Taiwan concentrated on the teacher so the style of CM is totally different. Next I introduced my favorite food and traditional entertainment in Taiwan. I also played the video from youtube to show how the traditional entertainment works. Finally, I show the complex of Taiwan such as language and ethnic groups problems to let the students know the deep of the Taiwan situation.

The second parts I presented my research. Firstly, I checked how the high school students know about the science. I asked the questions about their topic in school. Unfortunately, no one had interesting in neuroscience as what I am doing now. Therefore, I talked back to my research topic, sleep, and introduced all information more carefully. I showed how important the sleep is, and explain my purpose of research in to find out the place that control sleep. To do that, the way to study is neuroscience. I introduced the traditional methods to do in the neuroscience: destroy

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the place or use a drug to observed the behavior changed. Next I showed how the mordern way to do the research now. It included the virus injection, gene modulation, optogenetics, calcium imaging, cre system and CRISPR-Cas9. Finally I combined these techonologies in my research topic to show how we are doing the research.

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

Especially nothing to note now. If there is something coming out, I will send it later.

- Impressions and comments from the lecture assistant (講義補助者の方から、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。):

None