

様式 A-1
(FY2023)

2023 年 10 月 19 日

サイエンス・ダイアログ 実施報告書

1. 学校名・実施責任者氏名：大阪府立水都国際中学校・高等学校 田渕 優
2. 講師氏名：Dr. Bea Clarise B. GARCIA
3. 講義補助者氏名：なし
4. 実施日時：2023 年 10 月 18 日 (水) 15:30 ~ 16:20
5. 参加生徒：高校2年生 151人、高校1年生 158人、 年生 人 (合計 309人)
備考：(例：理数科の生徒)
6. 講義題目：研究者としての経緯について
7. 講義概要：研究者としての経緯、研究内容について
8. 講義形式：
対面 ・ オンライン (どちらか選択ください。)
 - 1) 講義時間 35分 質疑応答時間 15分
 - 2) 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)
プロジェクター使用による講義
 - 3) 事前学習
有 ・ 無 (どちらかに○をしてください。)
使用教材
9. その他特筆すべき事項：

Form B-2
(FY2023)
Must be typed

Date (日付)
22/11/2023 (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): Garcia Bea Clarise Baluyot (ID No: P23098)
- Name and title of the accompanying person (講義補助者の職・氏名)
No one accompanied me during the event.
- Participating school (学校名): Osaka Prefectural Suito Kokusai Junior & Senoir High School
- Date (実施日時): 3:30 PM, 18/10/2023 (Date/Month/Year: 日/月/年)
- Lecture title (講義題目): A virologist's life
- 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) 30 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 using projector
- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

In the first part of the lecture, I introduced myself as a virologist, and the basics of virus and viral research.

In the second part, I explained on how I decided to become a virologist. In here, I showed my previous universities, laboratory affiliations, and my past researches. I also highlighted my critical decision to go to Japan to finish my graduate studies, due to lack of opportunity in Philippines to advance my skills in virus research.

In the third part, I discussed my present research titled "Expression and function of ancient bornaviral X and P genes in miniopterid bats". I introduced bornavirus and its evolutionary history dating back as far as 100 million years, due to discovery of ancient viral sequences in vertebrate genomes. These ancient viral sequences also have the potential to be used as novel genes with new purpose or function. In particular, I discovered an ancient viral sequence from miniopted bats which can be putatively expressed as a bat-virus chimeric protein. I discussed my current results which show evidence of their expression and function in miniopterid bats.

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※弊会記入欄

Lastly, I showed to the students the other activities I do while not doing research. For example, I showed to the students the conferences I attend and the places I was able to go to.

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

I also spent some 30 mins after the lecture to discuss and talk to students in private about their concerns on how to go with this career.

- Impressions and comments from the accompanying person (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。):