

様式 A-1
(FY2024)

2024 年 7 月 9 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: 愛知県立瑞陵高等学校・町田瑠璃子
2. 講師氏名: Dr. Joseph DeJesus
3. 講義補助者氏名: 佐藤綾人 准教授
4. 実施日時: 2024 年 7 月 2 日 (火) 13:15 ~ 15:05
5. 参加生徒: 2 年生 39 人、 3 年生 1 人、 4 年生 1 人 (合計 41 人)
備考: (例: 理数科の生徒) 理数科の生徒
6. 講義題目: Organometallic Chemistry Adventures from North America to Japan
7. 講義概要: 母国の文化、研究者としてのキャリア、研究内容
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 50 分 質疑応答時間 50 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 講師から事前に送ってもらった要旨の講読
9. その他特筆すべき事項:

Form B-2
(FY2024)
Must be typed

Date (日付)

(Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ 実施報告書)

- Fellow's name (講師氏名): Joseph Felix DeJesus (ID No. P23733)

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

Ayato Sato, Designated Associate Professor, ITbM

- Participating school (学校名): Zuiryo Highschool

- Date (実施日時): 02/07/2024 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):

Organometallic Chemistry Adventures from North America to Japan

- 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) 50 min (分), Q&A time (質疑応答時間) 50 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))

Used projecture

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

I presented to the students about where I have travelled in my career as a chemist, from my home in Florida to Japan. I showed things about each place I lived (Florida, Tennessee, Scotland, Canada and then Japan), whether it was nature, culture or fun facts about each place. Particularly I showed each of the universities I've worked at, as going to North America for Europe for exchange may be a potential option for students in the future. At the request of the school, I emphasized the importance of learning english as a way to enable oppotunties like those for both careers and other worthwhile experiences. I also my discussed my motivation for being a scientist and some broad understanding of the chemistry I do day to day. This involved showing some very broad level discussion about organometallic chemistry and how it relates to everyday life, such as it being used to make everyday used plastics, medicines people may use, as well as things like cosmetics. Additionally, I discussed specific problems related to my chemistry, specifically using NHC ligands as a way to stabilize many different molecules for different applications. I gave some specific examples of specific reactions I do in the lab and example of ways to characterize the compound and tried to relate it to real life for ease attempts at understanding. Finally, I answered many questions from the students about aspects of chemistry but also life in North America compared to Japan.



Thank you so much for your attention!

I am happy to take any questions!