2024 年 12 月 18 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: 名古屋市立向陽高等学校 服部 真味子(教諭)

2. 講師氏名: Dr. Benedikt WOLFF

- 3. 講義補助者氏名: \_\_\_\_\_なし
- 4. 実施日時: 2024 年 12 月 17 日 (火) 13:15 ~ 14:05
- 5. 参加生徒: <u>2</u>年生 <u>40</u>人、 <u>年生</u>人、 <u>年生</u>人(合計 <u>人</u>) 備考:<u>(例:理数科の生徒)</u><u>国際科学科の生徒</u>
- 6. 講義題目: My Journey to Becoming a Sientist
- 7. 講義概要: 出身国の紹介、科学者となった経緯、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 <u>35 分</u> 質疑応答時間 <u>15 分</u>
- 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

・ 無 (どちらかにOをしてください。)
 使用教材 \_\_\_\_\_事前に頂いた講義の内容・キーワードを授業内で確認\_\_\_\_\_

9. その他特筆すべき事項:

特記事項なし

Form B-2 (FY2024) Must be typed

## 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): <u>Benedikt Wolff</u> (ID No. P24703) - Name and title of the lecture assistant (講義補助者の職・氏名) - Participating school (学校名): <u>Nagoya City Koyo Senior High School</u> - Date (実施日時): <u>17.12.2024</u> (Date/Month/Year:日/月/年) - Lecture title (講義題目): <u>My Journey to Becoming a Scientist</u>

- 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)<u>35 min(分)</u>, Q&A time(質疑応答時間)<u>15 min(分)</u>

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))

PowerPoint presentation with projector, showing molecules with molecule building set, showing genuine sample of (non-harmful) aroma compounds

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

The lecture intended to show the students my home country and city and get them to know that English is very important for international communication. I showed them Germany: a little bit of history regarding the reunification in 1990 and some geography. Following that, I introduced them to my hometown Berlin, interesting historic sites like the German government building and the Brandenburg Gate and my life from my birth to studying at university. I also tried to make them understand how I got interested in science, especially chemistry, and showed real-life examples of how chemistry surrounds us and accompanies us in our daily life. After that, my scientific career was explained and how it might look like if the students pick a science subject to study at the university. Starting from a bachelor's degree to a master's and a possible PhD, I tried to make them understand the time and afford needed and that one should never give up following their dreams. I also tried to make them understand two very important concepts, catalysis and chirality, that followed me through my scientific career. I showcased chirality with molecular models they could hold in their hands and non-harmful aroma compounds, because it is an unfamiliar and quite difficult topic to understand without real-life examples. I briefly introduced my research topic

I'm currently pursuing in the group of Prof. Dr. Takashi Ooi without going too much into detail and explained why photocatalysis is an important field of study.

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

I was impressed by the student's English ability and interest in chemistry, after the lecture and questionnaire, I answered more questions that were specific to the students own research topic at their high school. I very much enjoyed that.

- Impressions and comments from the lecture assistant (講義補助者の方から、本プログラムに対する 意見・感想等がありましたら、お願いいたします。):

