Web 掲載用

SD4776

※弊会記入欄

（学校用）

様式 A-1

2026 年　5　月 11 日

サイエンス・ダイアログ　実施報告書

1. 学校名:市立札幌清田高等学校

2. 講師氏名:Panpan ZHANG

3. 講義補助者氏名:なし

4. 実施日時: 2026 年 5 月 7 日（木）　10 : 45 ～ 12 : 35

5. 参加生徒: 2 年生 40 人
   備考:（グローバルコースの生徒）

6. 講義題目:国際協力

7. 講義概要:中国の文化とタンパク質と Cryo 電子顕微鏡（アポトーシスに関与するスクランブラーゼ Xkr4 活性化の分子機構解明）

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　80 分　　質疑応答時間　20 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 （どちらか選択ください。）
      使用教材: 講師から事前にいただいた概要を使って内容理解と質問作り

9. その他特筆すべき事項:

For Web posting

SD4776
※弊会記入欄

Form B-2

Date（日付）14/05/2026
（Date/Month/Year：日/月/年）

Must be typed

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

1. Fellow's name（講師氏名）: ZHANG PANPAN （ID No. P25406）

2. Name and title of the lecture assistant（講義補助者の職・氏名）
N/A

3. Participating school（学校名）: Sapporo Kiyota High School

4. Date （実施日時）: 07/05/2026（Date/Month/Year:日/月/年）

5. 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）75 min（分）, Q&A time（質疑応答時間）20 min（分）
◆Lecture style（e.g., 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））
Lecture was conducted through a slide-based presentation followed by a Q&A session.

6. Lecture title（講義題目）:
Unlocking the secrets of life through protein structural analysis.

7. Lecture summary（講義概要）: Please summarize your lecture within 200-500 words.
This science dialogue was designed to share my experiences as a internatioal researcher working in Japan with the younger generation. The main purpose of this lecture was not only to explain my current research activities, but also to encourage students to think about their future careers, academic interests, and the value of pursuing something they are genuinely curious about. I hoped that by sharing my own journey, students could gain a better understanding of how personal experiences, challenges, and interests can influence career choices and future goals.

The lecture was divided into two main sections.

In the first section, I introduced my personal background and discussed several cultural differences between China and Japan based on my own experiences living and studying in both countries. I shared stories about my student life, the challenges of studying abroad, and how adapting to different environments helped shape my perspective on research and education. I also explained why I became interested in science from an early stage and how this interest

eventually led me to pursue biology as my field of study. In particular, I emphasized that curiosity and continuous learning are important motivations for becoming a researcher.

In the second section, I introduced my current research topic in protein structural biology and explained the importance of proteins in living organisms. I described how proteins function as essential molecules that support almost all biological activities in our bodies and why understanding their structures is important for modern science and medicine. Furthermore, I explained how advanced technologies such as Cryo-electron Microscopy (Cryo-EM) allow researchers to visualize proteins at the molecular level and investigate how they function inside cells. By introducing these scientific concepts in an accessible way, I aimed to help students experience the excitement of scientific discovery and deepen their interest in biology and life science research.

8. Other noteworthy information（その他特筆すべき事項）:
For the high school students, some unfamiliar topics can be difficult to understand at first. However, they tended to become more motivated and engaged when simple examples and interesting illustrations were used to explain the concepts.

9. 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。）:
N/A