

様式 A-1
(FY2025)

2025 年 11 月 14 日

サイエンス・ダイアログ 実施報告書

1. 学校名：山梨県立甲府南高等学校
2. 講師氏名：Dr. Tongil KO
3. 講義補助者氏名：則竹 敦博様
4. 実施日時： 2025 年 11 月 14 日（金） 13:55 ~ 15:35
5. 参加生徒： 1 年生 41 人、 年生 人、 年生 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：Researching New Therapies Around the World
7. 講義概要：(1)講師・講義補助者自己紹介 (2)科学に興味を持ったきっかけ (3)博士課程および博士研究員研究の概要 (4)質疑応答
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：講師提供の glossary、所属研究室のウェブページ
9. その他特筆すべき事項：特になし

and proteins from DNA far more rapidly than through chemical synthesis, which enables the screening of large libraries of amino-acid sequences. I went on to outline the concept behind mRNA display as used in the Suga lab, explaining both how it works in principle and how we carry it out experimentally to obtain high-affinity peptide binders for specific proteins. To conclude I gave a brief explanation on how PCR technique works and how it is implemented in mRNA display to amplify recovered DNA sequences.

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

The lecture went very smoothly. The teachers were very helpful for setting up the room, projector and encouraging the students to ask questions. The students also demonstrated maturity, remained focused during the whole talk, and made for an engaging Q&A session. Although, it took a couple of minutes for them to warm up during question time, they eventually asked many questions in English about what it is like to be a researcher and the science itself.

- 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。):

Comments from Noritake-san:

Although the students hesitated to ask questions in English at first, they gradually became more proactive in speaking English and asking questions. I was particularly surprised by how many questions they asked about being a researcher, which showed their strong interest in the profession. I think this program gave the students a great experience that will motivate them to study English and science.