

様式 A-1  
(FY2025)

令和7年 6月19日

## サイエンス・ダイアログ 実施報告書

1. 学校名: 福島県立福島高等学校
2. 講師氏名: Dr. Mathilde Monique Solange NOC (Ms.)
3. 講義補助者氏名: 菊池七生 東京大学大学院人文社会系研究科
4. 実施日時: 令和7年 6月18日 (水) 13:10 ~ 15:20 (休憩10分含む)
5. 参加生徒: 普通科3年生40人、      年生      人、      年生      人 (合計      人)  
備考: (例: 理数科の生徒)

6. 講義題目: Scientific research in criminal psychology

7. 講義概要:

Psychology is not only therapy for people with a mental illness. It helps to understand how the human brain works, and why people adopt certain behaviors. In this lecture I will explain what is criminal psychology and how it helps the police to solve investigations. With some examples, we will talk about the principles of experimental psychology, and why it is important to speak English to be a scientist.

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60分      質疑応答時間30分 (生徒の質疑・プレゼンの準備30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

- 3) 事前学習

☒有 ・ ☐無 (どちらか選択ください。)

使用教材: 講師から送っていただいた概要(英文)

9. その他特筆すべき事項:

Form B-2  
(FY2025)  
Must be typed

Date (日付)  
18/06/2025 (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): **NOC Mathilde Monique Solange** (ID No. **P24309**)
- Name and title of the lecture assistant (講義補助者の職・氏名)  
**KIKUCHI Nanami, student from the University of Tokyo**
- Participating school (学校名): **FUKUSHIMA High school**
- Date (実施日時): **18/06/2025** (Date/Month/Year: 日/月/年)
- Lecture title (講義題目):  
**Scientific research in criminal psychology**
- 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) **60 min (分)**, Q&A time (質疑応答時間) **30 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))  
**Slideshow with a projector (University style). We conducted a small experiment about eyewitness memory.**
- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

**The lecture was in four parts.**

**The first part was about France (my country of origin). First, what France is famous for, like cities, food, etc. Then, how is school in France: the different types of schools, depending of the age of children, and different periods of the year, with holidays, etc.**

**Second part was about my motivations for becoming a scientist, and the importance of science to help understanding the world and improving people's life. Then, I talked about the different dimensions that are studied at psychology university: functioning of brain, behavior, and society.**

**Third part was about my own research in criminology with JSPS. First, what are the false beliefs and pseudoscience about criminal psychology. Then, what is really studied in criminology (causes of criminal behavior, programmes to prevent crimes, helping investigations). Then I explained the functioning of memory, and we conducted a small experiment of a few minutes to highlight that memory is not always good. Then I explained**

about the face stereotypes of criminality (for example, which face features are related to perceived criminality / innocence) ; and the impact that these stereotypes can have on the quality of investigation.

The last part was about the importance of learning english. First, as a scientist, for the purpose of reading and writing science literature and sharing discoveries in international conferences. Second, not only as a scientist, but also for everyday life: for example to travel or enjoy international arts and news. Then, I gave the student some tips to learn english – this was a request from Fukushima's high school professors.

After the lectures, students had time to prepare presentations and questions, and then it was Q&A and presentation time.

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

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- 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。):

Today, I worked as an assistant during the lecture.

During Ms. Noc's presentation, I translated several English words, which might be difficult for students when Ms. Noc asked me to do so.

During group work, I helped students' deeper understanding by translating communication between Ms. Noc and students, as well as directly answering to their questions about the content.

Although I occasionally used Japanese to support students, most of the communication was conducted in English.

Research in criminal psychology

Investigates factors, variables, and criminal behavior, police behavior

Memory impairment

NOT CORRECT

RETRIEVAL

The diagram illustrates a concept in criminal psychology. It features a hand pointing towards a brain icon, which is labeled 'NOT CORRECT'. To the right of the hand is a silhouette of a person's head and shoulders, labeled 'RETRIEVAL'. The background of the diagram is light blue with faint, stylized brain outlines.