

Form B-2
(FY2022)
Must be typed

Date (日付)
02/02/2023 (Date/Month/Year: 日/月/年)

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

- Fellow's name (講師氏名): Clément Moreau (ID No. P22023)

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

- Participating school (学校名): Wakasa High School, Obama, Fukui Prefecture

- Date (実施日時): 31/01/2023 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):

31/01/2023

- 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) 90 min (分), Q&A time (質疑応答時間) 20 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))

Presentation with projected slides and numerical experimentation

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

The lecture started with a self-introduction of the Fellow's country, with some information about the different countries and cities he lived in, as well as his studies and what led him to choose to become a researcher in mathematics and come to Japan. After a short Q&A, the second part of the lecture described the job and daily activities of a researcher, and what is enjoyable about it. The third part of the lecture focused on science topics : a general introduction about fluid dynamics and its many applications, a discovery of the particular behaviour of fluids at microscopic scale, and its consequences on swimming — the locomotion of micro-organisms and micro-robots with medical applications. The lecture was concluded with a example of numerical simulation of a swimming micro-flagellum, in which the students could try and predict which parameters optimise the displacement.

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

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