

Form B-2
(FY2022)
Must be typed

Date (日付)
26/09/2022 (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): Nicolas LEVENTOUX (ID No. P21410)

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

None

- Participating school (学校名): Komaba Junior High School, University of Tsukuba

- Date (実施日時): 24/09/2022 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):

Neural stem cell development and iPS technology

- 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) 100 min (分), Q&A time (質疑応答時間) 10 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))

Projector, white board, experiment (remaining time)

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

After a brief presentation of the history of the creation of France and the main features of French culture by means of two videos that I had made to make the whole thing less boring for a young audience (5 minutes in total), I presented photos of the laboratory as well as equipment allowing research in neuroscience in order to make things more concrete than theoretical. Then I presented a video I made on cell transcription up to protein synthesis, which I had subtitled in Japanese. I then presented the basic characteristics of neuronal and glial cells before presenting what normal cell development, reprogramming of a differentiated cell into a pluripotent state and then direct cell conversion are, concepts supported by photos of my own research work.

I had provided a glossary of terms in the previous days that may have been read by the children and often turned on the lights to detail certain concepts to the audience by writing on a whiteboard. I interspersed my presentation with a number of direct questions to the audience and often got them to answer or at least question themselves, sometimes in small groups.

After giving the children a moment if they had any questions, we went to the laboratory where the science teacher had come to open it up and lend us the equipment for the children to carry out

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the banana DNA extraction experiment I had organised. I gave them the protocol I had written and they carried out the experiment very independently without asking why or asking me how. The children used the laboratory consumables I had brought without asking for any permission and I realised that the experiment that was supposed to make them understand certain biological concepts was in fact interpreted by them as a leisure/discovery workshop. There was not enough time left for them to complete the small test I had organised for them and the teachers did not want to hand it over to them for later either.

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

The English teacher who was my contact told me that the JSPS thinks I am Hungarian. What I am not, my Mother made me as a French man.

- 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。): None