

(For JSPS Fellow)

Form B-5

Date (日付)

(29/02/2016: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):                     Hermina Nedelescu                     (ID No.   P                    )

- Participating school (学校名):                     Kumagaya High School                    

- Date (実施日時):                     (15/02/2016:日/月/年)

- Lecture title (講演題目):                     Neuroscience Research                    

                    (in Japanese)                    

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

I started my lecture discussing the topic that I study (i.e. the cerebellum). I discussed tools such as microscopes and staining techniques that we use to study brain architecture. Then, a more detailed discussion about the cerebellum's role followed. I also touched upon the importance of the cerebellum for controlling motor movement and I showed examples of various species benefiting from the cerebellar structure. I compared and contrasted the number of cells and brain sizes across mammalian species. I highlighted the major differences between neuroscience in Japan versus the US emphasizing the importance of being able to speak English to communicate discoveries. These topics were discussed using a power point presentation and projected onto a large TV screen the school provided. Finally, I ended the lecture slides with a video about the cerebellum that I had uploaded online, which the students each had a translated transcript to follow the video. After the slide presentation I went to the board to draw how neurons in the cerebellum are connected to each other and how information about motor movement is transferred from one cell to another. We ended the lecture with several questions. Both students and teachers were actively asking questions about the lecture.

- Language used (使用言語):                     English targeted at high school level                    

- Lecture format (講演形式): Slides, videos and chalkboard.

◆Lecture time (講演時間)                     ~30                     (分), Q&A time (質疑応答時間)                     ~ 5-7                     (分)

◆Lecture style (ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

                    TV monitor to project my presentation and videos                    

◆Interpretation (ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

Since I had taught at a high school in Kobe 10 years ago, I knew the capabilities of Japanese high school students and I knew how to ensure they will understand me. Translations would only tell them they are not ready to interact in English and I did not want to convey this message to them.

◆Name and title of accompanied person (同行者 職・氏名)

N/A

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

The members of the school were very kind.

- Impressions and opinions from accompanied person (同行者の方から、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。):