

(For JSPS Fellow)

Form B-5

Date (日付)

_____ (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): Bersot Tiphaine (ID No. P12798)

- Participating school (学校名): Fukui Prefectural Wakasa High School

- Date (実施日時): 21/06/2013 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Exciting research on excitatory neurotransmission in brain.

(in Japanese)

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

In the first part of my lecture I introduced myself, my country (France) and why I decided to become a researcher. I also presented how to do science everyday and why I choose to come in Japan. Then I tried to explain what is Neuroscience field. To that end I introduced some definitions like: Nervous system, neurons, role of cell membrane, how information flow through neurons. I also tried to explain basics topics like Membrane potential and action potential to finally introduce my specific interest: the synapse. I illustrated these basics knowledges with movies to help students to better understand my explanations. I also asked to my host researcher to translate in japanese when students were completely lost. In this part I introduced chemical synapse and neurotransmitters. I presented the 5 most popular neurotransmitters (glutamate, acetylcholine, serotonin, dopamine, GABA) and their involvement in human diseases. To finish I introduced my scientific interest: vesicular glutamate transporters or how glutamate is carried into synaptic vesicles. I presented how it is important to better understand this vesicular glutamate transporter. To finish I explained how I can study this topic using vesicular glutamate transporters knockout mice. I presented phenotype of each mice and involvement of this transporter in human psychiatric diseases.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 90 min (分), Q&A time (質疑応答時間) 30 min (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))

- _____ power point, used projector, handouts for students _____
- ◆ 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))
- _____ Assistance by my host Researcher Prof. Shigeo Takamori _____
- ◆ Name and title of accompanied person (同行者 職・氏名)
- _____ Professor Shigeo Takamori _____
- ◆ Other note worthy information (その他特筆すべき事項):
- _____

- 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。):

It might have been an good opportunity for students to listen to English lecture about science. The lecture by Dr. Bersot was well-prepared and deeply-thought, having known that some of the students do not have basic knowledge about the topic. However, I was disappointed by the fact that the students could not communicate with the lecturer in English at all, even when the lecturer asked extremely simple questions to the students. To make this program more 'Dialogue', higher skills and global mind to communicate with people in English will be required.