

(For JSPS Fellow)

Form B-5

Date (日付) 27/08/2015

(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): Lionel Landre (ID No. P 14727)

- Participating school (学校名): Fukushima High School

- Date (実施日時): 24/08/2015
(Date/Month/Year: 日/月/年)

- Lecture title (講演題目): Effects of post-traumatic stress due to the 2011 disaster on the brain
(in English)

(in Japanese)

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

When exposed to very stressful conditions, some people develop a Post-Traumatic Stress Disorder (PTSD). PTSD is a mental disorder in which people experience problems with memory and attention, because the brain is damaged by stress.

To understand that, we are using MRI to look at the brain and cognition of 10,000 people from the region of Miyagi. We are searching for the effect of the stress of the 2011 tsunami. In addition, we are looking for how sociodemographic variables such as age, gender, or lifestyle affect these brains effects. We will pay a particular attention for regions in the brain that are related to memory (the hippocampus), attention (frontal regions), and emotion (the amygdala), and have been previously related to PTSD.

We hope our research can help victims of the Great East Japan Earthquake, but also victims of traumatic events all around the world, dealing with the trauma and the stress.

- Language used (使用言語): english

- Lecture format (講演形式): Presentation (projector)

◆ Lecture time (講演時間) 60 min (分), Q&A time (質疑応答時間) 10 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))

Used projector, no experiment

◆ 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))

the accompanying person helped a bit during Q&A _____

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

Mr. Oba Kentaro _____

◆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。)

I was very interested in this event and enjoyed it a lot.