

(For JSPS Fellow)

Form B-5

Date (日付)

26/07/2016 (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): Alessandro Luchetti (ID No. 14409)

- Participating school (学校名): Tsuru High School, Yamanashi

- Date (実施日時): 08/07/2016 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Picturing Memories in the Brain
(in Japanese) 見える記憶 -脳の中を画像にする-

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

We go through our lives accumulating experiences and memories. But how are those memories stored in our brain? What are the biological mechanisms that allow the brain write and read memories? And is it possible to visualize memory formation in the living brain?

These are some of the main questions we try to answer in the Hayashi Lab at RIKEN Brain Science Institute.

During this talk I will discuss some of the properties of networks of neurons that allow for the processing and storage of information. I will describe how we can study the circuits in the brain and show some of the techniques that we use to look at the activity of neurons in real time in the living brain.

Lastly I will share some of the findings of our current research and our plans for the future of our projects.

- 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) 20 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 slides and showed some sample material

◆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))

Assisted by PhD Student Ayaka Bota who translated and explained to the students

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

Ayaka Bota

◆Other noteworthy 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。)