

(For JSPS Fellow)

Form B-5

Date (日付)

27.02.2017 (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): Dr. Barna Páll-Gergely (ID No. P 15086)

- Participating school (学校名): Yashiro High School

- Date (実施日時): 14.02.2017. (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Taxonomy, a fundamental discipline of biology

(in Japanese)

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

Working with diverse organisms (animals, plants and other living creatures) requires classification of them into groups. Classification is recognition of each organism with its name, for which description is necessary. This is crucially important for biology, because organisms differ from one another in their features such as structure and function, which are products of evolutionary history. Since they originate in common ancestors and change over time as Charles Darwin thought, the classification of organisms can be natural and definitive only if it represents their evolutionary relationship. People that recognize the diversity of organisms and study patterns, processes and mechanisms of their evolution may be called taxonomists.

In the last 10 years I have been working on the taxonomy and systematics of land snails. I discovered more than a hundred new species, mainly from Southeast Asia, which thus became everyday experience for me. During this work I dealt with century-old museum collections, as well as newly collected specimens, and utilized their variation in DNA nucleotide sequences. For example, I discovered the smallest land snail in the world, and resolved a historical puzzle; How some Asian land snails breathe while closing the shell with the airtight door. I will talk about how I live my life as a researcher in Japan.

- Language used (使用言語): English

- Lecture format (講演形式): Prezi (prezi.com) presentation

◆Lecture time (講演時間) 60 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))

I used a projector and used prezi software to prepare for presentation \_\_\_\_\_

Must be typed

◆ 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))

None

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

None

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

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- 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。):