

(For JSPS Fellow)

Form B-5

Date (日付)

22/08/2016 (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): Bruno Barros Queliconi (ID No. P15387)

- Participating school (学校名): Aichi Prefectural Jishukan High School

- Date (実施日時): 19/08/2016 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Scientist, Scientific models, mitochondrial bioenergetis and proteins

(in Japanese) -

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

The lecture themes asked by the Shimizu-sensei were (1)promote science, (2) show importance of English in science (3) to gain international understanding (4) to improve their presentation skills in English. With the emphasis on the following (1) My science life (2) skills to be a scientist (3) my research.

With this, I started my lecture with a brief introduction on the reason I wanted to be a scientist, how I got to Japan and why I had choose to the places I worked before.

I focused then on what means to be a scientist, who we work every day, and what types of paths a scientist can take. I also highlighted what are the good points of being a scientist and what are the problems. I then showed several skills that are necessary for you to become a good scientist and how the interconnect with English, and how necessary language skill are.

Instead of going directly to reasearch, I started by point out what biochemistry is and highlighted proceed to explain what scientific model organisms are and why they are necessary. In this same point I showed how we can work in different scales going from a complete animal to the protein level.

After this introduction I used the models explanation to show data that I have produced in each model-step, building from macro (whole animals experiment) to the data using recombinant protein produced in bacteria.

I finalized giving some questions that I thought would be relevant to the themes I presented.

- 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) 15 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,

◆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))

No Interpretation, the professor did some talk

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

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◆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。):