

(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) : 蔡政修 (Tsai, Cheng-Hsiu)
(ID No. P15329)

- Participating school (学校名): _____ Shizuoka Kita High School _____

- Date (実施日時): 28/01/2016 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Origin of the largest animal, the blue whale, on Earth

(in Japanese) 地球史上最大の動物「シロナガスクジラ」の起源 _____

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

Paleontology, the study of fossils, is a classical and old-fashion subject, and it provides the direct evidence of what happened in the past and how life has been and is being evolving. The blue whale, *Balaenoptera musculus*, could be more than 30 m long. Thus, as far as we know, the blue whale is the largest animal in the history of life on Earth. It is fascinating to consider the origin of such a huge animal. Our understanding of how whales evolved into the aquatic environment from land and some of them (especially baleen whales, Mysticeti ヒゲクジラ) became colossal remains meagre. Here, I will present the recent progress of how much we learnt about the origin and evolution of whales, mainly on baleen whales that include the largest species, the blue whale. Besides, whales are swimming in the sea so that there is no boundary for them to travel around the world. As a result, whales and their fossils are discovered all over the world, which, in turn, gives us a view from a global perspective. In this talk, I will also discuss whale fossils from everywhere in the world and then talk about how whale fossils from Japan are important for us to understand the whale evolution.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 120 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))

projector, cast of fossil

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)

- ◆ 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。):