

Item number (整理番号):

(For JSPS Fellow)

Form B-5

Date (日付) 16/10/2015

(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): _____ (ID No. P15093)
Anthony Albert ROBSON

- Participating school (学校名): Ichikawa Gakuen Ichikawa Senior High School (Ichikawa-city, Chiba)

- Date (実施日時): _____ (Date/Month/Year: 日/月/年)
16/10/2015

- Lecture title (講演題目): (in English) Advances in Aquaculture and Conservation Management
(in Japanese)

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

I introduced myself to the students and staff. I spoke about where I came from (Manchester, UK) and what it is famous for e.g. football (soccer) clubs, the Curry Mile and a red brick university: The University of Manchester where I had been a Visiting Scientist before coming to Japan. I told them what inspired me to choose my undergraduate degree subject: BSc Applied Marine Biology at the School of Ocean Sciences, Bangor University, UK. I spoke about the value of doing an 'applied' degree including a year as a research assistant at the Scottish Association for Marine Science and how I obtained a fully funded European Social Fund PhD studentship by obtaining a 1st class BSc. I presented my published undergraduate research on food microbiology and my PhD research on bivalve shellfish behaviour. I explained how my methods for measuring animal behaviour were limited by the size of the data loggers during my PhD. I presented examples of my post-doctoral research in France and the UK including the first use of an accelerometer on a bivalve mollusc. In the practical a student volunteer helped show how a tri-axial accelerometer works and how it can be used to determine animal behaviour and sometimes be used as a proxy for energy expenditure. Then I presented examples of my recent research including modelling shellfish growth rate when reared in an aquaculture facility under different temperatures and anthropogenic disturbance levels. I spoke about my JSPS fellowship research on improving conservation and aquaculture practices for abalone and scallops in Japan

after the major tsunami hit Iwate Prefecture, Japan on 11th March 2011. Finally, I provided a link to my peer reviewed research publications and overview articles that highlighted my work in Nature and Sciencemag.org (American Association for the Advancement of Science).

- Language used (使用言語): English

- - Lecture format (講演形式): 1. Self introduction. 2. My university education and 'applied' research experience, 3. My post-doctoral research, 4. Accelerometry practical, 5. Examples of my recent research, 6. My Japan Society for the Promotion of Science (JSPS) fellowship research in Japan, 7. Link to my peer reviewed research publications

◆Lecture time (講演時間) 80 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))

PowerPoint presentation using a projector and including three videos with sound. One video from www.youtube.com. Accelerometry practical using an AXY-3 data logger and AXY Manager software in Real Time mode (TechnoSmArt, Italy).

◆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))

I gave the names of some of the animals I worked with in both English and Japanese

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

N/A

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

After my lecture I asked if the students had any questions. The high school students were shy and only one student asked a question about my lecture. Then after my lecture small groups of about six girls or boys would come up to me and ask lots of questions. One girl was a lot more excited about behavioural energetics research on penguins than on shellfish. —

- 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。): N/A