

Form B-5

Date (日付)

12 / 06 / 2013 (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): Dur Gael Patrice Roger (ID No. P11810)
- Participating school(学校名):Fujishima High School - Fukui-shi - Fukui-ken
- Date (実施日時): 23 / 05 / 2012 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) The Amazing world of Copepod  
(in Japanese) カイアシ類の驚くべき世界
- Lecturesummary(講演概要): Pleasesummaryyourlecture 200-500 words.

On Earth, oceans, lakes and rivers represent 97% of the planet's water. The topmost layer of these aquatic environments, just few meters below the surface, is full of life. This zone is home to small creatures like animal larvae, algae, bacteria, and other plankton. Among the most abundant residents of this zone are copepods – tiny relatives of crab and shrimps. This lecture aimed first to show the student how mega-important are these micro-animals. The variety of sampling methods used to collect these animals were then presented, and videos on the application of these methods in different ecosystems, i.e. lakes, estuary and polar oceans, were shown. I subsequently brought the student into the amazing world of copepods, from describing what is going on at the individual scale to the consequences of these actions at the population level. We first had a look at the process involved in the mating behavior of copepod with a special focus on the way male find and track females and how the latter select the male. I then introduced a mathematical model that simulates egg carrying copepod's reproduction, and showed how you can use such mathematical model to answer some questions such as: "what is the best temperature to obtain a very high production?". I concluded my lecture, by presenting the "plus" of being a scientist besides working with wonderful creatures.

- Language used (使用言語): Lecture in English with some short breaks for Japanese explanations provided by my host researcher, Prof. S. Ban
- Lecture format (講演形式):  
◆Lecture time (講演時間)90 min (分), Q&A time (質疑応答時間)10min (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))

[Power Point Presentation displayed with a Projector with presentation of some sampling gears.](#)

- ◆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))

[My host researcher, Prof. S. Ban, provided explanations in Japanese](#)

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

[Professor Syuhei Ban of the University of Shiga Prtefecture](#)

- ◆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。)

今回の講演は、昨年に引き続き、講師を務めた特別研究員の Dr. Gael Dur にとって大変貴重で、良い経験になったことと思います。自分の研究について、ゆっくりと分かり易く説明することの大切さを学んだことと思います。また、講演を行った高校においても、生徒たちに科学のおもしろさと海に住む微小な生物に対する興味を抱かせることができたでしょう。訪問した高校の生徒たちのなかには英語を習い始めたばかりの 1 年生も含まれておりましたが、みな熱心に聞いておりました。事後に、担当の先生より生徒たちのアンケートを送っていただきました。また、生徒たちから研究員へは、大変立派な英語で御礼の言葉が贈られてきました。これらは研究員にとっても私にとっても、たいへん励みとなります。

今後も、このプログラムが末永く続いてゆきますことをお祈り申し上げます。