（For JSPS Fellow）

Form B-5

Date（日付）
26/10/2012（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. **P12708**）
Pierre de MARCELLUS

- Participating school（学校名）：**Shizuoka Prefectural Iwata Minami High School**

- Date （実施日時）：（Date/Month/Year:日/月/年）
24/10/2012

- Lecture title（講演題目）：（in English）**An introduction to Astrobiology**

（in Japanese）アストロバイオロジーへの導入

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

I divided my lecture in 3 parts. The first part was dedicated to a short presentation of France (general information compared to Japan, history, pictures of Paris and famous/beautiful areas in France). The second part was about science in general: the academic steps after high school to become a scientist in Japan (presented briefly by Mr. Kawamoto, who talked also about his experience as a master student), and I then talked about the concrete work of a researcher (application of the scientific approach, necessity to publish and to present orally the results in international conferences, necessity to learn and speak English, etc.). Finally, in the last and longest part, I talked about astrophysics in general and astrobiology in particular by presenting in a simplified way some of my results. I first gave an overview of the Universe describing its different components (the Universe itself, galaxies, stars, interstellar clouds and matter, planets, comets, meteorites, etc.). Then, I focused on my research, explaining the context, my aim and my experiments. I finally presented some of my results and discussed about their relevance to astrobiology and their relation to on-going space missions (Tanpopo, Rosetta). I tried to simplify at the maximum: simplified enough for them to understand globally and, I hope, to interest them, but also "complicated" enough to show them that science is not something easy.

For important and "complicated" parts, Mr. Kawamoto translated in Japanese.

After each part, I included a "Q&A" session in order to split the presentation and make the lecture more "alive". The students were not (too) afraid to ask questions. This dialogue with them was very pleasant.

- Language used（使用言語）: **English**

- Lecture format（講演形式）:

◆Lecture time（講演時間） **75 min**（分）, Q&A time（質疑応答時間） **45 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））

Power point presentation projected on a screen

◆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））

assistance by accompanied person

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

Mr. Yukinori KAWAMOTO, Master student

◆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。）

日本の高校生がどのような分野まで化学を学習しているか留学生が把握していないことがあるため、講演内容を考える際に日本の高校で化学を履修したものが立ち会った方が、留学生・高校生双方にとってより理解しやすいものになるのではないかと思います。