

(For JSPS Fellow)

Form B-5

Date (日付)

14/07/2013 (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): Dr. Joshua Chou (ID No. P12814)

- Participating school (学校名): TSURU HIGH SCHOOL (YAMANASHI PREFECTURE)

- Date (実施日時): 12/07/2013 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) SECRET MATERIAL FROM THE SEA

(in Japanese)

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

**The lecture was about the use of biomimetic technology and the application of using fossilized coral exoskeleton to transform to biocompatible calcium phosphate for use in bone regeneration. The selection of the coral sand specie *foraminifera* can be easily obtained in Japan and through the host institution, we have developed an effective and therapeutically relevant material and system in which we have shown to accelerate bone formation in both tibia and calvaria rat defect model. Continuing experiments will examine the effectiveness of coating the material with stem cell, a technique and method developed by the fellow and looking at the bone regeneration in rat defect model.**

- Language used (使用言語): ENGLISH

- Lecture format (講演形式):

◆Lecture time (講演時間) 35 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))

PROJECTOR/ CONDUCTED EXPERIMENTS

◆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)

DR. JIA HAO

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

N/A

Must be typed

- 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。):

**It was very enjoyable.**