

(For JSPS Fellow)

Form B-5

Date (日付)

30/8/2017 (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): Chia-Feng Tsai \_\_\_\_\_ (ID No. P15343)
- Participating school (学校名): Fukui Prefectural Koshi High School \_\_\_\_\_
- Date (実施日時): 18/08/2017 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) The detective in science: Mass Spectrometry  
(in Japanese) 科学の探偵: マススペクトロメトリー
- Lecture summary (講演概要): Please summary your lecture 200-500 words.  
Mass spectrometry (MS) is a powerful analytical technique to measure the mass-to-charge ( $m/z$ ) ratio. In this lecture, I have introduced the basic concept of mass spectrometry and how to use MS to do the peptides identification and protein identification in the clinical proteomics field for the discovery of cancer biomarker. Besides, the front-end mass spectrometer has also been introduced in this lecture.
- Language used (使用言語): English
- Lecture format (講演形式):
  - ◆Lecture time (講演時間) 90 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))  
used projector \_\_\_\_\_
  - ◆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)  
Kazuya TSUMAGARI (JSPS Research Fellowship for Young Scientists) \_\_\_\_\_
  - ◆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。):