

(For JSPS Fellow)

Form B-5

Date (日付)

20/02/2017 (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): Eleonora Fava (ID No. P16736)
- Participating school (学校名): Fujishima High School, Fukui
- Date (実施日時): 26/01/2017 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) Visible light as a tool and a trigger in biology and chemistry  
(in Japanese)
- Lecture summary (講演概要): Please summary your lecture 200-500 words.  
The perfect distance of earth from our star led life to probably begin a good deal earlier than 3.5 billion years ago by lightening of inorganic molecules to form building blocks like amino acids and nucleosides. Not surprisingly, light has since then acted as the main player in life development and scientists are today able to identify the mechanisms behind a great number of biological examples (i.e. photosynthesis) where light radiation is implicated as fundamental tool in both vegetable and animal kingdoms. After briefly stressing on basic concepts of electromagnetism, we moved to explain the increasing importance of (visible) light as a tool to the development of new reactions in laboratory and industry. As required from the science dialogue guideline, part of the time was used to show the students my background and generally explain my research field.
- Language used (使用言語): english
- Lecture format (講演形式):
  - ◆Lecture time (講演時間) 45 min (分), Q&A time (質疑応答時間) 25 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
  - ◆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))  
No interpretation
  - ◆Name and title of accompanied person (同行者 職・氏名)  
No accompanying person
  - ◆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。):