

Date (日付)

27/09/2015 (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): DHEIVASIGAMANI Thangaraju (ID No. P 14050)

- Participating school (学校名): Hamamatus Minami High School

- Date (実施日時): 20/08/2015 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Introduction to luminescent nanostructures for bio imaging
(in Japanese)

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

Nano structures measures between 1 and 100 nanometers in size and have greater surface area to volume ratio and faster dispersion in solution. Physical and chemical properties of nanomaterial make them potential material in electronics, optics and medicinal application. Many luminescent nanostructured materials like semiconductor quantum dots, fluorescent proteins and heavy metal nanoparticles have been synthesized and studied for imaging purposes. Bio imaging is one of the most important clinical activities in biomedicine and therapy to understand the activities of biological molecules, cells and tissues. In our laboratory we have developed different kind of luminescent nanoparticles for bio imaging application.

- Language used (使用言語): English

- Lecture format (講演形式): **Power Point Presentation**
 - ◆Lecture time (講演時間) 65 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))
Lecture was given in lecture hall using 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))
Japanese explanation was given by Minami High School English teacher
 - ◆Name and title of accompanied person (同行者 職・氏名)
Prof.Y.Hayakawa
 - ◆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。):