

(For JSPS Fellow)

Form B-2  
(FY2018)

Date (日付)  
20/03/2019 (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): Dattatraya B. Bagal (ID No. P18339)
- Participating school (学校名): Okazaki Kita Senior High School
- Date (実施日時): 05/03/2019 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): Amino acids and Peptides
- Name and title of your accompanying person (講義補助者 職・氏名)  
Mr. Kenji Kamada, M2 student, Nagoya University
- Lecture format (講演形式):  
◆Lecture time (講演時間) 40 min (分), Q&A time (質疑応答時間) 20 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 for lecture

- Lecture summary (講演概要): Please summary your lecture 200-500 words.  
Concisely, my lecture at Okazaki-kita senior high school is mainly dealt with following topics.  
1. My introduction. Brief overview of Indian culture and science. India and Japan relation etc.  
2. In second section, I talked in details about Amino acids, their importance and classification of amino acids. Next, I discussed in details about how to prepare peptides from  $\alpha$ -amino acids by different methods. Also, I talked briefly on catalysis, their classification and application in organic synthesis.  
3. Finally, I talked on my current research on 'Organocatalyzed dehydrative peptide synthesis from  $\alpha$ -amino acids. During the presentation, my colleague Kenji Kamada (accompanying person) explained some difficult scientific terms in Japanese for better understanding to the students. After my presentation, students were actively participated in discussion and asked many interesting questions related to my research.

- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):  
It is possibly best to present your research talk with ample amounts of pictures. At the high school level, it is very difficult to understand the scientific terms or concepts, so their ability to grasp concepts will be improved with pictures. Also, the student's knowledge of English is limited; therefore maximum use of Japanese words for scientific terms in presentation will be very helpful for better understanding of the lecture.

- Other noteworthy information (その他特筆すべき事項):

It was excellent experience for me to give lecture at school. Mr. Kenji Kamada extensively participated in the presentation and question & Answer session, which greatly improved the atmosphere in the classroom. Also, it's good to see that many teachers from Okazaki-kita high school were actively participated in JSPS Science Dialogue lecture.

- Impressions and comments from the accompanying person (講義補助者の方から、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。)

Kenji Kamada: "I was very glad to visit the school where I graduated and, it is good experience for me to work as an interpreter and explain the contents of presentation to students".