

(For JSPS Fellow)

Form B-2  
(FY2018)

Date (日付)

17/July/2018 (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. Punitha Velmurugan (ID No. P17392)
- Participating school (学校名): Tsuru Senior High School, Otsuki, Yamanashi prefecture
- Date (実施日時): 14/July/2018 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): Collagen Stabilization for Tissue Engineering Applications
- Name and title of your accompanying person (講義補助者 職・氏名)  
Not Accompanied

- Lecture format (講演形式):

◆Lecture time (講演時間) 75 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- Powerpoint Presentation and White Board

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

**In this lecture, I presented about “Biomacromolecules and collagen stabilization for tissue engineering applications”. My talk was divided into five sections. In section 1, I introduced myself and gave presentation about my country (section 2). Students were highly interested to know about the cultural differences between the countries and lecture was too interactive with day today examples. I have discussed about the each countries contribution for development and similarities between each countries. In section 3, I explained the importance of being a researcher and its benefits to society. . I have shared about my experience about being a researcher what I have done, what you can do. Students were motivated to do higher studies and suggested some points to improve the language skills. In section 4 details of Biomacromolecules and collagen stabailization using small plant molecules was discussed for biomaterials applications. Importance of biomaterials in tissue engineering application and how it has been assesed. I introduced the importance of studies on the biomacromolecule and how it is helpful in medicine field. In addition to th eprotein folding and protein stabilization were explained. Importance of designing of biomaterials and how I have achieved has been explained.**

**Finally, in section 5 I briefly discussed my current research work on protein folding/misfolding and protein size related cytotoxicity. In between the presentation we had question and answer session and had a good discussion on each slide.**

- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):

**It is a good opportunity to interact with Japanese students. I advise all the fellow awardees to participate at least once. If possible participants should send the glossary to the students earlier, which helps me a lot in my presentation for understanding.**

**Some Japanese translation in slides will be more helpful, if the participants going to present without translator.**

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

**Students are highly interested in knowing about the cultural differences between the countries. Basic day today examples may help to grab the attention of students.**

- 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。)

**Not Accompanied.**