

(For JSPS Fellow)

Form B-2  
(FY2018)

Date (日付)  
18/02/2019 (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): Yuanming Li (ID No. P18033 )
- Participating school (学校名): Aichi prefectural Kasugai High School
- Date (実施日時): 18/02/2019 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): The Organic Chemist – Building with Atoms
- Name and title of your accompanying person (講義補助者 職・氏名)  
n/a
- Lecture format (講演形式):  
◆Lecture time (講演時間) 50 min (分), Q&A time (質疑応答時間) 5 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 presentation (45 min),  
asked students to create new molecules with molecular models (10 min).

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

At the beginning, I introduced myself first. I am Hakka Chinese, so I introduce the origin and tradition of Hakka people. And then I introduced my way to get Ph.D. degree, and why I want to do a Ph.D. study in my life. Next, I explained the synthetic chemistry from some interesting molecules. Synthetic chemistry is an interesting job for young people. The synthetic chemist uses their synthesis skills to create new forms of matter. You can't imagine how they are excited when they are the first to make an unprecedented chemical compound! However, synthetic chemist prepares compounds not just because they are new: the design and synthesis of these new molecules leads to numerous applications in pharmaceuticals, materials, detection, energy utilization and storage, and insights into biological systems. In this lecture, I presented the amazing molecules the synthetic chemists have been prepared. I also introduce the students how to design, how to synthesize and how to detect the molecules briefly. Finally, I asked students to create new molecules with molecular models.

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

We have 70 students in the classroom. They are from 10th grade and 11th grade. Some of them didn't learn chemistry yet. It is better to prepare easier and interesting lecture for them. It is a very big classroom for the lecture, so it is better to use big size font and a loud voice.

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

**Some of the students show a big interesting in chemistry. It is better to leave the contact information to them. It is a good way to help them.**

- 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。)

**n/a**