

(For JSPS Fellow)

Form B-2  
(FY2018)

Date (日付)

05/12/2019 (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): Pei-Shan Hou (ID No. \_\_\_\_\_)
- Participating school (学校名): Tokyo Metropolitan Tama High School of Science and Technology (Koganei-city, Tokyo)
- Date (実施日時): 20/12/2018 (Date/Month/Year:日/月/年)
- Lecture title (講演題目): Neural Development and I
- Name and title of your accompanying person (講義補助者 職・氏名)  
Wen-Bo Yu
- Lecture format (講演形式):  
◆Lecture time (講演時間) 80 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
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

During the lecture, I first briefly introduced the rationale of my research including why it attracts my attention, how the experiment works, to what extent the results impact on current situation. I focus on introduction as the object is not easy or familiar to senior high school students. Several movies were used for better understanding, from the beginning of life to the formation of the baby body stepwisely. Then, I talked about the current dilemma and the approaches that scientist try to solve the problem. The effect of intrinsic network, transcription factor, on the neural fate decision is the attention. Together with the experimental results, I demonstrated the expression pattern and the manipulation showing how intrinsic factor affects fate determinatio. Finally, I brought my view on neural development and these lead to the concept: Gene masters brain development.

After this, I talked about my journey and why I came to Japan to do research. In responding to the resquest from the teacher in that high school, I brought up several quotes which encourage me to move on and deal with the failure.

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

I think it would be nice to have a brief overview of the knowledge the audience has. It would be very helpful for preparing presentation.

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

Nope

- 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。)

**They did a very good job!**