

Form B-5

Date (日付)

16/07/2014 (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): Azhar Rasul (ID No. P13512)

- Participating school (学校名): Yamanashi Prefectural Tsuru High School

- Date (実施日時): 11/07/2014 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Cancer cell metabolism

(in Japanese)

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

Before I begun, I gave a little introduction about myself. I'm Azhar...Azhar Rasul.

I got a master degree and M. Phil in Biology from Bahauddin Zakariya University (BZU), Multan, Pakistan in 2006 and 2008 respectively and then I moved to China and started research as a Ph.D. student in Cell and Molecular Biology (chemical cancer biology) at Northeast Normal University, Changchun, China. After 4 years of Ph.D. training, I moved to Chinese academy of Sciences and started the chemical cancer biology study as a postdoctoral fellow. Meanwhile, I also got position as Assistant Professor in University of Sargodha, Punjab, Pakistan. In the following year, I moved to RIKEN, Japan and started a new research project "Targeting cancer metabolism by small molecules" in a Chemical Biology department with Dr. OSADA-Sensei with funding from JSPS Japan. Currently, I'm a JSPS Fellow at RIKEN, in the department of Chemical Biology. RIKEN is the leading research organization for the Scientific Research in Japan and throughout ASIA. As a researcher, I have consistently studied about chemical cancer biology.

Then I shared some fun fact about me with students to create friendly environment in class room. After that, I gave time about 10-20 second to introduce to student. Then I moved to...

My talk that concern about primarily human health problem. One of main problems facing every country in the field of health today is overcoming cancer. After introducing the basic terminology about my lecture. I started my talk with question, what's come to your mind when you listen words cancer?

I described about cancer, its major types and fact and figures. Then, we discussed why altered metabolism in cancer and what purpose does altered metabolism serve in cancer? After that, I explained why we and other believe that could metabolism be cancer's Achilles heel? And finally, we'll take a look about my research project and my country Pakistan.

- Language used (使用言語): English and Japanese

- Lecture format (講演形式):

◆Lecture time (講演時間) 85 min (分), Q&A time (質疑応答時間) 25 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

◆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))

◆Name and title of accompanied person (同行者 職・氏名)

Mr. Miyazawa-San

◆Other note worthy information (その他特筆すべき事項):

I would like to say special thanks to Miyazawa-San for Japanese explanation of the lecture and transport arrangement and Kazama sensei (Teacher at Tsuru High School) for their kind cooperation during preparation of lecture.

- 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。):