

(For JSPS Fellow)

Form B-5

Date (日付)

28 January 2016 (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): Nopporn CHUTIWITOONCHAI (ID No. P15416)

- Participating school (学校名): Hosei Univ. Girls' High School

- Date (実施日時): 25 January 2016 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Virus-host interaction and targets for antiviral drug development.

(in Japanese)

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

I started my presentation by talking about general information of Thailand such as population, culture and foods. Then, I told students why and how did I become a researcher. After brief introduction about Thailand and myself, I explained a basic knowledge about viruses for example their components, shape and size, and how to classify virus. Then I moved to HIV-1 lesson by describing its shape with photos, genetic information (genomes and proteins), transmission routes, symptoms in patients and AIDS, and how to protect from getting the infection. After that, I explained about HIV-1 life cycle, virus-host interaction, current available antiviral drugs and how do their stop viral replications. Then I mentioned about some treatment problems in the infected patients and why do we need a new antiviral drug before showing some of my and my lab member studies about discovery of new chemical compounds that can stop HIV-1 replication in human cells. My final session was influenza virus and antiviral drug development by explaining basic information of virus and some problems of current treatment that required a new antiviral drug development. Then, I showed some of my studies about how to find a good target for developing new antiviral drug including my colleague study to discover a potential antiviral drug that can stop replication of various influenza A subtypes and in the infected mouse model. I ended my presentation by showing how difficult to develop a new antiviral drug which is time and cost-consuming.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 90 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))

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))

Accompanied person

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

Sato Hiroataka (Ph.D.)

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