

(For JSPS Fellow)

Form B-5

Date (日付)

18.07.2013

(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) : Azam Hassaninasab
(ID No. P 11396)

- Participating school (学校名): Kumagaya Girls' High School

- Date (実施日時): 17.07.2013 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) The Microbe World
(in Japanese) 微生物の世界

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

The Microbe World

Micro means very small and *biology* is the studies on living things, so "microbiology" is the studies on very small living things, which are normally too small to be seen with the naked eyes. Many thousands microbes could fit on a pinhead. They are alive, in the same way that you are or a plant is. The science of microbiology started with invention of the microscope by English scientist, Robert Hooke. Microbes exist everywhere! They're on us, in us and around us. Microbes are very diverse; they have an amazing variety of shapes and sizes and can exist in a wide range of habitats from hot springs to the icy wastes of Antarctica and inside the bodies of animals and plants. Microbes live in the soil and the rocks. Just think every time you walk on the ground and step on millions of microbes. Some microbes cause disease but the majorities are completely harmless. In fact, we couldn't live without them, but they could live without us.

Microbes influence all living things and contribute to all manners of chemical and physical processes. Because their activities are so diverse, the microbiology field

comprises multidisciplinary subjects like medicine, agriculture and environment.

Microbiologists work in basic and applied research partly to develop new vaccines, biological drugs, biofuels, and agricultural products.

Key words: Microbes, Habitats of microbes, The good and the bad microbes, Applied microbiology, Microbiologist

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

- Lecture format (講演形式): Powerpoint

◆Lecture time (講演時間) 90 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))

projector and experiments

◆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))

Assistance by accompanied person

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

非常勤研究員 松本雅子

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

- 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。):

とても有意義な講演内容で、熊谷女子高校の方からも好評を頂きました。
私自身にとっても大変良い経験になりました。
今回の機会を与えて頂いたことに感謝申し上げます。