

(For JSPS Fellow)

Form B-5

Date (日付)

(Date/Month/Year: 17 日/7 月/2015 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): Jorge Luis Espinoza (ID No.P14419)
- Participating school (学校名): Nagano Prefecture Suwa Seiryō Senior High School
- Date (実施日時): (Date/Month/Year: 10 日/7 月/2015 年)
- Lecture title (講演題目): (in English) Cancer: When good cells become bad cells.
(in Japanese) がん: 良い細胞が悪い細胞になること
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

I started my lecture with a short introduction of Nicaragua, my home country, which is completely unknown for most Japanese people. I briefly described my country, its people and the more representative products. Then, I briefly described my studies at the national university and my work as a physician in Nicaragua and why and how a medical doctor working in a busy emergency medicine department in the capital city became interested in pursuing scientific research on Cancer. This introductory section was presented in Japanese. The main topic was about cancer. I started describing the process that leads a normal cell to become a cancer cell and eventually to form a tumor (this section was supported by presenting a video that illustrate cancer cells growing and spreading through the body). I also talked about the burden of cancer as a huge health problem worldwide, including Japan. To point out the importance of cancer prevention, I showed key facts demonstrating that a large number of cancers can be prevented. On this regard, I talked about the influence of food, the environment and other factors in cancer formation. At this point, the presentation remarked on the role of tobacco smoke as one of the most preventable causes of cancer. About my research, I gave an outlook of what we are currently working on at Kanazawa University: The use of iPS technology to generate blood cells from patients with diseases of blood cells and showing why this technology is useful for advancing cancer research and finding new treatments for cancer and other disease.

- Language used (使用言語): Japanese and English
- Lecture format (講演形式):
 - ◆ Lecture time (講演時間) 70 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 to show power point slides and videos

- ◆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))
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- No accompanying person
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- ◆Name and title of accompanied person (同行者 職・氏名)
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- ◆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。):