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（For JSPS Fellow）

Form B-5

Date（日付）
13/10/2017（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）: ADJOU MOUMOUNI Paul Franck Adeyissimi（ID No.P17105）

- Participating school（学校名）: Hokkaido Kushiro Koryo High School

- Date （実施日時）: 10/10/2017（Date/Month/Year:日/月/年）

- Lecture title（講演題目）: Ticks: a threat to human and livestock health

- Name and title of your company（同行者 職・氏名）

- Lecture format（講演形式）:
  ◆Lecture time（講演時間） 130 min（分）, Q&A time（質疑応答時間） 10 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））

Powerpoint presentation using a projector

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

In this lecture, I depicted my journey to the fascinating world of ticks and the pathogen they transmit. The talk had three parts. The first part is a self-introduction; the second is an introduction to ticks, their importance in livestock farming and the third section is about my research activities. My name is Paul Franck ADJOU MOUMOUNI. I was born in Benin, West Africa. I am a veterinarian, graduate from Cheick Anta Diop University in Senegal. In 2009 I was awarded a scholarship by Japanese Government and since then I have been living in Japan. I got a Master in Agriculture form Obihiro University of Agriculture and Veterinary Medicine and latter a PhD from the United Graduate School of Veterinary Sciences of Gifu University. I have always been interested in cattle farming and thus I studied cattle farming systems in Africa to identify factors impeding their productivity. This quest led to ticks as many farmers considered them as major burden. These arthropods are hematophagous causing mechanical damages to animal skin but mostly transmit numerous pathogens. For the last 5 years I have been studying ticks and tick-borne disease epidemiology. My research field is tick and the molecular epidemiology of tick-borne pathogens. Tick-borne diseases are found all over the world and mostly in Tropical and Subtropical areas where ticks thrive. Livestock farming is one of the most affected as animal losses are huge. I focus on protozoal and bacterial infections related to cattle

ticks. I work on understanding the distribution of ticks, their impact on livestock, the genetic features of pathogens they transmit and factors determining occurrence of diseases. In details, I generally go to farms, observe, interview farmers and collect ticks and animal blood samples. These samples are then analyzed to detect the pathogens infecting the cattle and how they are distributed. Using my results I give farmers and government advice on how to limit the impact of ticks on animal and human health.

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

- Impressions and opinions from a company（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。）:

Must be typed

（For JSPS Fellow）

Form B-6

Questionnaire

Please fill out the following questionnaire so that we can take advantage of your impressions in enhancing the JSPS Science Dialogue Program.

*Questions should be the same as you answered after your previous lecture if you gave a lecture before. We very much appreciate it if you answer the same questions again because lecture was given to different students and school from your last cooperation.

1. What prompted you to decide to participate in the “JSPS Science Dialogue” program?

Sharing is important in Science and the hope of getting more Japanese students to take the path of research decided me to participate in this program.

2. To what did you give greatest attention in preparing and giving the lecture?

Making the lecture fun, easy to understand, interesting and mostly inspiring were at the core of my preparation. Then, when giving the lecture, I gave attention to speak slowly, smile and share the most possible my enthusiasm for research.

3. Did you find it difficult to give a lecture in English to Japanese students? Could you give some advice to future lecturers on how to facilitate communication with Japanese students?

Not at all. It went smoothly and the students looked interested. I think the key is speaking slowly and use catching images.

4. Could you give your impression with regard to participating in this program?

I am happy I took part in this program. I think sharing what we like is a way of knowing more about ourselves and why we choose a particular path.

5. Was it meaningful in terms of your fellowship activities?

Yes it was. I got to know more about how to communicate with people not accustomed to my research.

6. In what ways do you think the students benefited from the program?

I think giving students exposure to different culture and science, give them inspirations and may help them finding their life goals.

7. Could you give some overall advice or comments to future participants in the program?

To future participants: “be calm and smile, express your research in a simple and enjoyable way”

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We thank you again for your kind cooperation in this endeavor, and wish you every success in your research.