（For JSPS fellow）

Form 3

Date (日付)
1/12/10 （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 (参加外国人研究者氏名): Javier Ramon Azcon（ID No. P09041）

Participating school (参加機関（受入学校名）): Koyo High School

Date (実施日時): 26/11/10 （Date/Month/Year:日/月/年） Time: from 14:25 to 15:35

Lecture title (講演題目): (in English) Nanotechnology and Biosensors

(in Japanese) ナノテクノロジーとバイオセンサ

Lecture summary (講演概要):
A biosensor is an analytical tool, which can be used to measure different types of samples. For example level of glucose in blood, pesticides in fruits and vegetables, carcinogenic substances or illegal drugs. A biosensor combines two different types of technology: (1) something biological (DNA, cell, antibody, enzyme) or mimetically biological (aptamer, polymer). This part recognizes specifically what we want to measure and produce some change in media (pH, fluorescence, color). (2) Electronic system (transduction system), this part measure the change produced by the biological part.

Language used (使用言語): English

Lecture format (講演形式):

〇Lecture time (講演時間) 50 min (分), Q&A time (質疑応答時間) 20 min (分)

〇Lecture style（examples: used projector, conducted experiments）
(講演方法 (例：プロジェクター使用による講演、プレ実験など))
Used projector and electrodes samples

〇 Interpreter（ example: assistance by host or colleague, provided Japanese explanation by yourself）
(通訳 (例：受入研究者によるサポート、外国人研究者本人による日本語説明))
Colleague assistance

Name and title of assistant (協力者 職・氏名) (example: host or colleague)
Mr Hatanaka university colleague

〇Other note worthy information (その他特筆すべき事項):

Impressions and opinions of assistant (協力者から本事業に対する意見・感想等がございましたら、お願いいたします。):