

Form 3

Date (日付)

09/12/2009 (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): Poumale Poumale Herve Martial (ID No.P08430)

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

Date (実施日時):09/12/2009 (Date/Month/Year:日/月/年) Time: from 09:35 to 10:30

Lecture title (講演題目): (in English)Purpose of Natural Products in our Live

(in Japanese)

Lecture summary (講演概要): According to the estimation of the world Health Organization, 80% of the people on earth mainly depend on traditional medicines for their health care. The use of natural products from specific plants as medicinal agents to treat illness presumably predates the earliest recorded history of humans. The plants; fungi and bacteria have had a profound effect on the development of chemistry and upon medical science. Since the discovery of penicillin in 1929, intensive studies of mainly soil derived bacteria, fungi and plants have shown that they are a rich source of structurally unique pharmaceutically important bioactive substances.

Natural products are organic compounds produced by living organisms. Some of these compounds are extremely simple, such as methane (CH₄), others have great structural complexity. The classification of Natural products depends mainly on the chemical structure, the physiological activity, the organism or plant specificity (Taxonomy) and the biochemical origin. There are many reasons why organic chemists are interested in natural products. Many of these compounds are powerful drugs, others function as coloring or flavoring agents and yet others are important raw materials.

Language used (使用言語): English

Lecture format (講演形式): PowerPoint

Lecture time (講演時間) 55 min (分), Q&A time (質疑応答時間) min (分)

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

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))

Host (Pr. Yoshihito Shiono)

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

Yoshihito Shiono, Professor

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。):