

Form 3

Date (日付)

07/07/2009 (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): MAUGARS (ID No. P07437)

Participating school (参加機関(受入学校名)): 愛媛県立大洲高等学校

Date (実施日時): 06/07/2009 (Date/Month/Year:日/月/年) Time: from 14:10 to 16:10

Lecture title (講演題目): (in English) Fish reproduction

(in Japanese)

Lecture summary (講演概要):

First I introduce myself and my country, especially the fish you can find in France and in Europe. Fish show a high diversity in strategy of reproduction: they can be gonochoric or hermaphroditic. Fish have adopted a high variety of different reproductive behaviors. The gametogenesis is a complex process by which diploid germ cell form haploid gametes. In female, this process is called oogenesis and in male, spermatogenesis. As in mammals, gametogenesis is regulated via the brain-pituitary-gonad axis. The two pituitary gonadotropins FSH (follicle stimulating-hormone) and LH (luteinizing hormone) released and transported in the blood stimulate the gonadal growth, gametogenesis and the production of sex steroids in both ovary and testis.

As example of hormonal stimulation of gametogenesis, 18 and 6 days HCG (human chorionic gonadotropin) injected eels o and non injected eels were dissected and gonadosomatic index was calculated for each eel

Language used (使用言語): English

Lecture format (講演形式):

Lecture time (講演時間) 45min (分), Q&A time (質疑応答時間) 0 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))

Use power point presentation and conducted an experiment

Interpreter (example: assistance by host or colleague, provided Japanese Higushi-san, a colleague came with me and translate my lecture

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))

Higushi-san, a colleague came with me and translate my lecture__

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

Masato Higushi (樋口 理人), PhD student

○*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・感想等ございましたら、お願いいたします。):