

Form 3

Date (日付)

29/6/2009 (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): Gang ZHAO (ID No. P 08060)

Participating school (参加機関(受入学校名)): 熊本県立第二高等学校

Date (実施日時): 26/6/2009 (Date/Month/Year:日/月/年) Time: from 16:05 to 17:20

Lecture title (講演題目): (in English) Cryopreservation of Cells and Tissues: Approaches and Applications

(in Japanese) 細胞の凍結保存:方法と応用

Lecture summary (講演概要):

10 aspects were presented in this lecture: 1) Why I become a natural science researcher? 2) Why I come to Japan for further studies? 3) What's cryobiology and cryopreservation? 4) Why we need cryopreservation? 5) Why we can cryopreserve biomaterials? 6) How to cryopreserve biomaterials? 7) Two typical events during cell cryopreservation. 8) Cell specified optimal freezing rate. 9) Measurement of hydraulic permeability by perfusion microscope. 10) Whether it is possible for human being cryopreservation (cryonics)?

Language used (使用言語): English

Lecture format (講演形式):

Lecture time (講演時間) 65 min (分), Q&A time (質疑応答時間) 10 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))

assistance by a graduate student major in cryobiology

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

山本 哲也 (graduate student, 九州大学工学院)

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

I think the high school should not fix the time duration for the lecture, and it should be adjusted by the lecturer according to the responses of the audiences during the lecture.

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。):