

Form B-2
(FY2020)
Must be typed

Date (日付)
12/11/2020 (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) : Huascar Pedro Ortuste Quiroga
(ID No. P20109)

- Name and title of the accompanying person (講義補助者の職・氏名)
Shin Fujimaki (藤巻 慎)

- Participating school (学校名): Nobeoka High School

- Date (実施日時): 05/11/2020 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):
Let`s talk Muscle

- Lecture format (講義形式):

◆Lecture time (講義時間) 60 min talk and 30-40 min practical demonstrations (分),
Q&A time (質疑応答時間) 15-20 min (分)

◆Lecture style (ex.: used projector, conducted experiments)

(講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))

Projector used for presentation/ microscopes used for glass slides

- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

The lecture included a concise explanation of my countries of origin and my educational background. We compared these to the ages and qualifications needed in Japan. The students were then presented with some key reasons to choose science as a potential career path. The lecture then focused on science itself. I presented students with background regarding cellular biology (DNA-RNA-Protein synthesis). We then moved onto skeletal muscle biology, consisting of a general background and a focus on muscular dystrophies. Students were subsequently presented with the genetic and molecular underlyings of the muscle disease FSHD. The lecture concluded with potential therapeutic interventions of FSHD using transgenic mouse models and human cell lines as viable testing tools. Lastly the students were introduced to the haematoxylin and eosin (H&E) staining technique to visualise muscle sample histology. This was followed by students using the slides we provided and observing the samples under their microscopes.

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

The students showed great interest and enthusiasm for science. The students` questions were insightful. It was a pleasure to discuss science with them. The teaching staff was very welcoming.

Perhaps in the near future, some students should visit our laboratory in Kumamoto University to get a “hands on” experience of what we do.

- Impressions and comments from the accompanying person (講義補助者の方から、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。):

This was a good opportunity not just for students but ourselves to share and introduce science. Please continue with this program. We look forward to participating again.