

Form B-2
(FY2021)
Must be type

Date (12 日 07 付 2021)
(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): Balasuriya Mudiyansele Gayathri Kumari Balasuriya (ID No. P20704)

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

Mr. Dilesh Malinda Keerthisinghe Ethiligoda Gamage

- Participating school (学校名): Ono Senior High School

- Date (実施日時): 12/07/2021 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目): Neurons in our gut; The second brain

- Lecture format (講義形式):

◆ Onsite ・ Online (Please choose one.)(対面 ・ オンライン)((どちらか選択ください。))

◆ Lecture time (講義時間) 75 min (分), Q&A time (質疑応答時間) 15 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 (powerpoint)

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

My research focus is on understanding the gastrointestinal dysfunction in autism, therefore the lecture was about the neurons in our gut which is called the second brain. I introduced the importance of the gastrointestinal system, main organs involved, main functions including how food get digested and absorbed. Then I explained how those functions are controlled by both the brain and its' own neurons that are embedded within the walls of the gut. Afterthat, I explained the importance of the guts' neurons and why it is called the second brain. Then we discussed the importance of the gut microbes, their roles and what happens when there is a dysbiosis. Next part of the lecture included information about autism and gut dysfunction seen in autism. Finally I explained how we trying to characterise gut dysfunction in autism and identify root causes to find treatments.

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

The lecture was sent to the coordinating sensei few days before the program and the important words were translated to Japanese and provided for students before the lecture.

- 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.): Accompanying person enjoyed the warm welcome and the hospitality of the school. He also mentioned that the lecture was easy to follow and delivered slowly and clearly.