

Form B-2
(FY2020)
Must be typed

Date (日付)
2020/10/18 (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): Jean-Emmanuel Clement (ID No. P18179)

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

- Participating school (学校名): Hikawa high school Yamanashi prefecture

- Date (実施日時): 2020/10/08 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):

Cancer research in the age of new technologies and artificial intelligence

- Lecture format (講義形式):

◆Lecture time (講義時間) 130min (分), Q&A time (質疑応答時間) 10 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))

Onlin lecture

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

Research has shown that cancer cells are not all the same. Within a malignant tumor or among the circulating cancerous cells of a leukemia, there can be a variety of types of cells. The stem cell theory of cancer proposes that among all cancerous cells, a few acts as stem cells that reproduce themselves and sustain the cancer, much like normal stem cells normally renew and sustain our organs and tissues. The idea that cancer is primarily driven by a smaller population of stem cells has important implications. For instance, many new anti-cancer therapies are evaluated based on their ability to shrink tumors, but if the therapies are not killing the cancer stem cells, the tumor will soon grow back. Another important implication is that it is the cancer stem cells that give rise to metastases, the most dangerous grade of cancer diseases.

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

- Impressions and comments from the accompanying person (講義補助者の方から、本事業に対する

SD

※弊会記入欄

意見・感想等がありましたら、お願いいたします。):