

(For JSPS Fellow)

Form B-2
(FY2018)

Date (日付) 28/11/2018
(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): Vladimiro Thoma (ID No.P17092)
- Participating school(学校名): Mizusawa High School
- Date (実施日時): 13.11.2018 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): Understanding Jellyfish Feeding Behaviour
- Name and title of your accompanying person(講義補助者職・氏名)
Koki NAGATA (Undergraduate Student)
- Lecture format (講演形式):
 - ◆Lecture time (講演時間) 90 min (分), Q&A time (質疑応答時間) 30 min (分)
 - ◆Lecture style (ex.: used projector, conducted experiments)
(講演方法(例: プロジェクター使用による講演、実験・実習の有無など))
Used projector and blackboard
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

Jellyfish are amongst the first animals to evolve neurons, and their nervous systems are less centralized than those of typical model organisms like the mouse and the fruit fly. Despite this apparent simplicity, they can execute well-coordinated behaviours like feeding, escaping from predators and courtship. My goal is to elucidate the cellular and molecular mechanisms that underlie such complex behaviours in Cnidaria. To this end, I am using a combination of behavioural characterization, anatomical analysis, neuronal activity mapping and transcriptomics to understand *Cladonema* feeding behaviour. These results may reveal conserved principles in feeding and provide insights about the origins of appetite.

- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):

It was overall a positive experience. One main comment would be to encourage students to be more interactive and ask questions if possible. Although I tried, I was not too successful, although I am well aware of the fact that Japanese students can sometimes be a little shy.

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

(None)

Must be typed

- 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。)

(None)