

Fellowship ID : BR200202

年 月 日

YYYY/MM/DD

独立行政法人日本学術振興会理事長 殿

To: President, Japan Society for the Promotion of Science

## 研究活動報告書

### Research Report

#### 1. 受入研究者/ Host researcher

受入研究機関・部局・職

Name of Host Institution, Department and Title

KYOTO University

受入研究者氏名

Host Researcher's Name

MATSUDA Kenji

#### 2. 外国人招へい研究者/ Fellow

所属研究機関・部局・職

Name of Institution, Department and Title

ICPEES, UMR7515 CNRS/

外国人招へい研究者氏名

Fellow's Name

ULRICH Gilles

#### 3. 採用期間/ Fellowship Period

2022年09月16日

～

2022年10月01日

#### 4. 研究課題/ Research Theme

The theme of the stay was to strengthen interaction and collaboration with Japanese colleagues. More specifically, it was about helping to build research projects by combining our complementary skills, starting or continuing student exchanges or hosting researchers from our laboratories.

#### 5. 研究活動報告/ Research Report

##### (1) 研究活動の概要・成果/ Summary of Research Results

With my host in Kyoto, we discussed potential scientific collaboration and planning a response to transnational calls for funds. We also discuss the potential welcome of students or young researchers in our respective laboratories (one of my former PhD student spent 2 years in post-doctoral position in Mastuda's lab) Prof. Matsuda visited our laboratory in November 2022 and gave a lecture at our institute, and we could continue our exchanges.

I visited Prof. Osamu Tsutsumi at Ritsumeikan University's Department of Applied Chemistry during my stay, to discuss common scientific interests and assure him of our willingness to continue hosting Ritsumeikan University students (whom we have already hosted in 2019), if the program is relaunched after the COVID period.

During my visit to Prof. Yasuteru Urano from TOKYO University, we discussed potential collaboration in the field of biolabeling and photodynamic therapy. For the latter, I plan to send one of my collaborators to Tokyo in the next few years to begin in vivo trials in Prof. Urano's laboratory.

I had a very fruitful discussion with Prof. Wakamyia (Kyoto University) and his team on luminescent materials, optoelectronics and boron-based dyes. We discussed potential future collaboration in the field of functional dyes.

(注) 採用期間終了後3ヶ月以内に提出

※ (Note) Submit the form within 3 months after the expiration of fellowship.

※ 様式1に記載された情報を元に確認しますので、部局名等の名称含め、内容に誤りが無いか必ずご確認ください。

I had a very profitable discussion with Prof. S. Seki of Kyoto University (Katsura), who has very powerful equipment for measuring ultrafast spectroscopy, and we plan to send him some of our materials in the future to carry out specific photophysical experiments.

During my stay, I visited Prof. Tokitoh, Vice President for Research at Kyoto University, to discuss in greater detail the symposium between Kyoto University and Strasbourg University held in Strasbourg on October 21 and 22, 2022, to mark the 30th anniversary of the exchange of researchers.

(2) 主な研究発表 (雑誌論文、学会、集会、知的財産権等) / Main Research Publications

Several seminar entitled "Luminescent borate complexes and their emissive ligands" were given at :

- Ritsumeikan University, 20<sup>th</sup> September, Biwako-Kusatsu Campus
- Tokyo University, 22<sup>nd</sup> September, Hongo campus, Graduate School of Pharmaceutical sciences
- Kyoto University, 27<sup>th</sup> September, Uji campus
- Kyoto University, 29<sup>th</sup> September, Katsura campus

(3) その他/ Remarks

The planned date was postponed twice due to restrictions imposed by Covid (first planned for March 2020), and finally the last possible date was to start the stay before September 30, 2022. Confirmation of my potential arrival (obtaining the "certificate of eligibility" took a very long time), I was able to finalize my visas (I'd like to thank the Strasbourg consulate for its speed) and request the ticket only 2 weeks before my arrival: this short time before confirmation didn't allow me to contact as many colleagues as I would have liked, and the period chosen corresponded to the "season" of the national meetings, so some colleagues were unfortunately not always available for discussions. Nevertheless, I was able to have some very fruitful and constructive scientific discussions, which will help strengthen collaborations in the future.

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