

研究活動報告書

Research Report from
Anne POQUET DHIMANE (BR160201)
in the research group of Professor Yasushi NISHIHARA
from 平成 2017 年 03 月 18 ~ 平成 2017 年 04 月 26 日

The project I came to develop during my bridge stay is to build an international Master, so mixing research and formation. Our Master is designed to allow students to gain experience in fields where Japan and France are world leaders: physics, chemistry and biology and related disciplines.

By combining **lectures, practicals** in the form of

** research training in laboratories and

** group works to develop their critical thinking ability in reading international literature, it offers a unique experience.

Students will be offered **lectures** derived from research results and translated into Master level. This feature should significantly contribute on the attractiveness of program course

International Master has been built between Okayama univ(OU) and UPMC. Memorandum of Understanding was established. Our working group : Yasushi Nishihara (Graduate School of Natural Science and Technology - Faculty of Science - Chemistry). Takayoshi Suzuki (Graduate School of Natural Science and Technology - Faculty of Science - Chemistry). Naoshi Ikeda (Graduate School of Natural Science and Technology - Faculty of Science- Physics). Tetsuya Takeda (Graduate School of Medicine, Dentistry and Pharmaceutical sciences). Kohji Takei (Graduate School of Medicine, Dentistry and Pharmaceutical sciences)

Chairman of the Committee : Bernard Chenevier (Director of Research at CNRS - France -Senior URA - Okayama University).

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5 UPMC students were selected and welcomed in OU research labs during the period of stay at OU. As exemple; Miss Victoire Asila from the Master of Molecular Chemistry at UPMC joined Yasushi Nishihara's group and performs research on **Development of Copper-Catalyzed Aminothiolation of Dienes with *N*-Fluorobenzenesulfonimide and Thiols** ».

This stay was very fruitful to convince students from OU to come and visit UPMC through the ERASMUS+IMC grants we won to initiate the Master. One selected student Takuya Asada from Seiji SUGA graduate School at OU will join our Master at UPMC this 2018 September for a 5 months courses period. Two research groups in Biology and Chemistry will welcome as well two excellent OU students for a 3 months

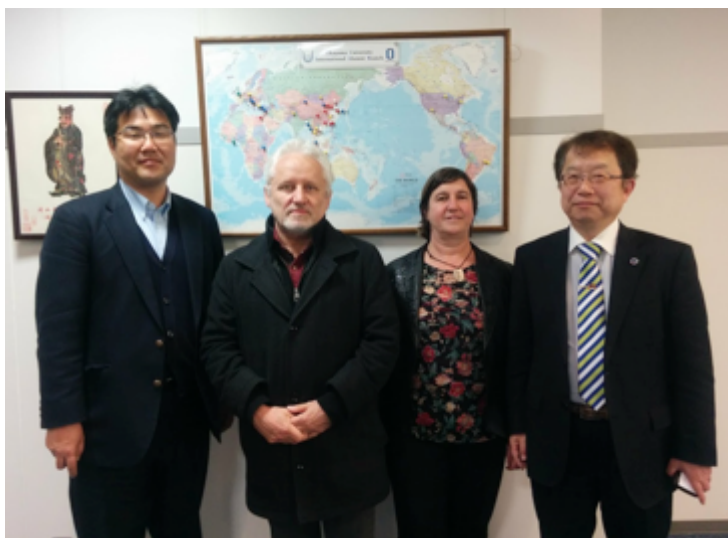
research period Masahiro DAIMON and Yuki TAKEUCHI This Spring 2018, 10 students from Physics, Biology and Chemistry joined OA from 1st year of studies L1 PCGI to 5th year Master 2.

Meetings with Hiroshi KANZAKI new VP International, Shin-ichi Yamamoto VP Research were organized. Courses in English will be proposed and a list has been established to facilitate the choices for students. Seiji Suga Vice Dean of Faculty of Engineering-Graduate School of Natural Science and Technology, visited UPMC on July 2017. Seminar with his research group and one 2h-course organized for the Graduate school was organized and makes possible the advertising for our exchanges.

This OU - UPMC connection was granted through the ERASMUS + IMC grants for Master, PhD staff and academics exchanges, our LABEX MICHEM financially supports one student per year in OU.

This year, 10 students in Chemistry, Biology and Physics are right now in OU for lab internship from 4 to 5 months.

So the JSPS Bridge was a great success for building stronger links between OU and UPMC.



March 2017 at Okayama University -From left to right: Pr. Y. Nishihara, Dr. B. Chenevier Senior University Research Administrator, Ass.Pr. A-L. Poquet Dhimane UPMC International Relations for Chemistry, JSPS French Alumni, Pr. S-I. Yamamoto Vice-President of Research.



April 2017 at Okayama University -From left to right: Pr. Y. Nishihara, Dr. B. Chenevier

Other agreements have been planned with UPMC:

Kagoshima Univ (KU) welcomes me. Ryo Kanzaki is a parter in Chemistry of Surfaces. A meeting with Yoshiro Kaneko (Engineering) Takashi Tomiyasu (Analytical Chemistry) and Hitoshi Kodomotani

(Environmental Science) was fruitful. An agreement and MoU is on the way to be signed to exchange students.

Visit of the **Institute of Creative Chemistry** ruled by Sigeru TORII a former Emeritus professor from Okayama univ.

Discussion with Tsutomu Inokuchi and Manabu Kuroboshi about **Maniwa Bichemicals** research.

Visit of **Kurashiki University of Science and the Arts** with Hiroshi Tsutomu.

Visit of **Sapporo Breweries Ltd** lab and cellars. Meeting with Yasuko Kuno and Jun Tada oenologists, deputy Managers.

Hiroshima Shudo University (HSU) visit of research lab of Kunio Kawamura in Environmental studies, research collaborator of, a JSPS contract of Marie Christine Maurel (biology, UPMC). Meeting with International Affairs Center to create agreement and MoU : Mitsuko Takei Director, Tomoe Morito Deputy Director, Yuka Kawakami.

Visit of **Hiroshima Yasuda Women's University** welcomed by Mari Ogawa (Primary education) and Noriko Konagaya (Nutritional Sciences) who have JSPS collaboration with Marie Christine Maurel (biology, UPMC). Meeting with International Relations Office: Kazuo Shinohara chief and Kenichi Yamakawa Dept of English. Agreement is on the way.

Osaka Prefecture University (OPU): visit of our collaborators for many years Ilhyong Ryu and Takahide Fukuyama (numerous exchanges of Master students, one joint PhD, JSPS postdoc ...) One UPMC Master Alex CARTIER is now performing his PhD in the Ryu's group. Renewal of the **MoU** has been planned **and was effective on May 2018**. The next step is to build a joint PhD for Alex CARTIER. Fruitful meeting and presentation to a large audience was organized with Ikuo Fujii (Biochemistry), Kohji Takei (Biochemistry), Hideki Fujiwara (Engineering), Masaya Matsuoka (chemistry), Yu Horiuchi (chemistry), Ikuya Yamada (chemistry), Shinji Tanimori (Life and Environmental Sciences), Takashi Kamegawa (nanosciences and nanotechnologies), Tomomi Kuribayashi (Senior chief International Office, Global Collaboration division), Shinichiro Tatsugae (Manager, Global Collaboration division).

Osaka University : Ryoko Minato (former JSPS Strasbourg) and Takashi Kubo (Chemistry) welcome me. Meeting with Center of International Affairs leads to fruitful discussions with Yon-Soo Tak and Akahito Hashizume. UPMC has already a strong connection and we will try to enhance it.

In conclusion, this stay was really fruitful in terms of scientific exchanges with colleagues in research and in the International Offices I have met in all my visits. Agreements and MoU will be renewed or created after that Bridge stay. All my thanks to JSPS Bridge for such an opportunity to create better links between our French and Japanese institutions.