

Project No.:20004 Core Institution in Japan:Kyoto University

**JSPS Core-to-Core Program
-Strategic Research Networks-
FY2011 Research Report**

Project No.	20004
Research Theme	Studies on ecological interaction networks that promote biodiversity –From gene to _ecosystem
Duration of Project	1 April 2010 – 31 March 2013 (36 months)
Core Institution in Japan	Kyoto University

Implementing Organizations

Country	Japan
Core Institution	Kyoto University
Co-Chair (name and title)	Junji Takabayashi (Professor)
Number of Cooperating Institutions	4
Cooperating Institutions	Yamaguchi University, Tsukuba University, Kinki University, Nagoya University

Country	the Netherlands
Core Institution	University of Amsterdam
Co-Chair (name and title)	Maurice Sabelis (professor)
Number of Cooperating Institutions	0
Cooperating Institutions	0
Matching Fund	Royal Netherlands Academy of Arts Sciences (KNAW) • Communication in Multitrophic Systems

Country	Canada
Core Institution	University of Western Ontario
Co-Chair (name and title)	Jeremy McNeil (Professor)
Number of Cooperating Institutions	0
Cooperating Institutions	0
Matching Fund	University of Western Ontario • Chemical Ecology: Migration and Tritrophic Interactions

Country	Germany
Core Institution	Max-Plank Institute of Chemical Ecology
Co-Chair (name and title)	Wilhelm Boland (Professor)
Number of Cooperating Institutions	0
Cooperating Institutions	0
Matching Fund	Max Plank Institute for Chemical Ecology

Country	Germany
Core Institution	Free University of Berlin
Co-Chair (name and title)	Monika Hilker (professor)
Number of Cooperating Institutions	1
Cooperating Institutions	Technische Universitat Braunschweig
Matching Fund	German Academic Exchange Service

Country	The United States of America
Core Institution	University of Minnesota, Duluth
Co-Chair (name and title)	Timothy Craig (professor)
Number of Cooperating Institutions	1
Cooperating Institutions	University of California Davis
Matching Fund	Measuring local adaptation to test the geographic mosaic of coevolution theory in a three trophic level interaction: a fly, a galler, and a parasitoid.

Country	Switzerland
Core Institution	University of Neuchatel
Co-Chair (name and title)	Ted Turlings (professor)
Number of Cooperating Institutions	0
Cooperating Institutions	0
Matching Fund	University of Neuchatel • Plant antagonists and

Country	Italy
Core Institution	University of Turin
Co-Chair (name and title)	Massimo Maffei (professor)
Number of Cooperating Institutions	0
Cooperating Institutions	0
Matching Fund	University of Turin • AlgaeNRG

Country	The United Kingdom
Core Institution	Rothamsted Research
Co-Chair (name and title)	John Pickett (Professor)
Number of Cooperating Institutions	0
Cooperating Institutions	0
Matching Fund	Biotechnology and Biological Sciences Research Council • Chemical ecology of pest and beneficial arthropods: understanding and exploiting

Country	The United Kingdom
Core Institution	University of Southampton
Co-Chair (name and title)	Guy Poppy (Professor)
Number of Cooperating Institutions	0
Cooperating Institutions	0
Matching Fund	University of Southampton

Result of Program Implementation

In the viewpoint of “Interaction-Information Networks”, this program supported the active exchanges of research, the study of young scientists (students and post-docs) in abroad in this fiscal year. This fiscal year, we did not have foreign students to study in Japan. The second symposium was successfully organized by Kyoto University and the University of Neuchatel, and held at the University of Neuchatel, Switzerland.

Achievements in FY2011 (Self Review)

In the first quarter, the collaboration between University of Turin and Yamaguchi University was conducted. Yoichi Kainoh and Kazushi Hanyu presented their data in International Meeting (Second Entomophagous Insects Conference) in France.

In the second quarter, the collaborations between (1) University of Western Ontario and Tsukuba University, (2) University of Turin and Kyoto University, (3) Free University of Berlin and Kyoto University, and (4) University of Minnesota were conducted. Kenji Matsui presented his data in International Meeting (14th Asian Chemical Congress 2011(14ACC)) in Thai. We have the project symposium in University of Neuchatel.

In the third quarter, the collaborations between (1) University of Carifornia Davis and Kyoto University and (2) Free University of Berlin and Kyoto University. Cynthia Nvanyura presented he data in International Meeting (The 4th Asian Symposium on plant Lipids) in China.

In the fourth quarter, the collaboration between University of Turin and Kyoto University was conducted. Junji Takabayashi, Koichi Ueda, Kenji Matsui and Koichi Sugimoto presented their data in Gordon Research Conference in USA.

Future Plan (Measures toward Achieving Research Objectives)

In FY 2012, we will exchange the students and post-docs to the foreign institutes based on the relationships established in FY 2010 and 2011. We will organize the third symposium in max Plank Institute for Chemical Ecology in Jena, Germany. The future plan on this project will be discussed in the symposium.