

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

**JSPS Core-to-Core Program -Strategic Research Networks-
FY2010 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, Nagoya University, Kinki University

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 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	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 mutualists

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. We also have a foreign student from University of Turin to study in Center for Ecological Research, Kyoto University. We organized the first exchange symposium on this program in Kyoto and discussed about the future plan.

Achievements in FY2010 (Self Review)

In the first quarter, the following collaborations were conducted. (1) Between University of Minnesota, Duluth and Kyoto university. (2) Between University of Amsterdam and Yamaguchi University. (3) Between Southampton University and Kyoto University. (4) Between Rothamsted Research and Kyoto University. (5) Between University of Neuchatel and Kyoto University. Nine papers in five international congresses were presented.

In the third to fourth quarter, the followings collaborations were conducted. (1) Between University of Amsterdam and Kyoto University, and Nagoya University. (2) Between University of Turin and Yamaguchi University, and Kinki University. (3) Between Free university of Berlin and Kyoto University, (4) Between Max plank Institute of Chemical Ecology and Kyoto University. (5) Between University of Neuchatel and Kyoto University, We organized the project symposium in Kyoto. The proceedings of the symposium were published in Journal of Plant Interactions in 2011 Feb.

Future Plan (Measures toward Achieving Research Objectives)

In FY 2011, we will exchange the students and post-docs to the foreign institutes based on the relationships established in FY 2010. We will organize the second symposium in University of Neuchatel in September 9-10th. The future plan on this project will be discussed there.