

JSPS Core-to-Core Program
FY2010 Implementation Plan (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 (Co-Chair) Kyoto University, Center for Ecological Research
(Prof. Junji Takabayashi)

Implementing Organizations

○ **Japan**

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

○ **Partner Countries**

	Core Institution	University of Amsterdam	
	Co-Chair (name and title)	Maurice Sabelis (Professor)	
	Cooperating Institutions		Number of Cooperating Institutions 0

	Core Institution	University of Western Ontario	
	Co-Chair (name and title)	Jeremy McNeil (Professor)	
	Cooperating Institutions		Number of Cooperating Institutions 0

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

	Core Institution	Free University of Berlin	
	Co-Chair (name and title)	Monika Hilker (Professor)	
	Cooperating Institutions	Technische Universitat Braunschweig	Number of Cooperating Institutions
			1

	Core Institution	University of Minnesota Duluth	
	Co-Chair (name and title)	Timothy Craig (Associate Professor)	
	Cooperating Institutions	University of California Davis	Number of Cooperating Institutions
			1

	Core Institution	University of Turin	
	Co-Chair (name and title)	Massimo Maffei (Professor)	
	Cooperating Institutions		Number of Cooperating Institutions
			0

	Core Institution	University of Neuchatel	
	Co-Chair (name and title)	Ted Turlings (Professor)	
	Cooperating Institutions		Number of Cooperating Institutions
			0

	Core Institution	Rothamsted Research	
	Co-Chair (name and title)	John Pickett (Professor)	
	Cooperating Institutions		Number of Cooperating Institutions
0			

	Core Institution	University of Southampton	
	Co-Chair (name and title)	Guy Poppy (Professor)	
	Cooperating Institutions		Number of Cooperating Institutions
0			

Objectives of Research Exchange (including the five years after the project finishes)

Earth's fruitful biodiversity is a great gift from nature. One of the important environmental issues is to conserve biodiversity. To do so, clarifying mechanisms involved in the maintenance and promotion of biodiversity is highly important. The objectives of research of this program are to unravel the above issue from the viewpoints of ecological interaction-information networks. This year, the program will support the Japanese scientists (mostly young scientists) to study in foreign research institutes involved in this program, and have a start-up seminar in Kyoto Japan. We will discuss to establish the international research networks that will last after the end of this project.

Results to the present

In FY 2008 and 2009, we conducted Type B (Integrated action initiatives) program with five foreign institutes (University of Amsterdam, Max Plank Institute for Chemical Ecology, Free university of Berlin, University of Minnesota Duluth, and University of Western Ontario) and with two Japanese institutes (Yamaguchi University and Tsukuba University). We established the international research groups that were the base of the Type A (Strategic Research networks) of this study.

Summary of FY 2010 Exchange Plan

Joint Research

We will study ecological interaction-information networks in the following three viewpoints.

- (1) Interaction networks mediated by traits.
- (2) Interaction networks mediated by plant odor.
- (3) Information networks mediated by plant odor.

Seminar

We will have a two-day seminar in Kyoto Japan in October 11-12. Most of the co-chairs of joining institutes will present their study. This will be open to all researchers, especially for young researchers/graduate students.

Researcher Exchanges

This year, the program will support the Japanese scientists (mostly young scientists) to study at foreign research institutes involved in this program. Professor Massimo Maffei (University of Turin) has stayed 3 months to do the research exchange. One of his graduate students will come to Kyoto University in October.