

JSPS Core-to-Core Program
FY2006 Implementation Plan (Project No. : 16003)

Research Theme Advanced Molecular Pathophysiology of Bone and Cartilage Diseases

Duration of Project 2006 / 4 / 1 - 2009 / 3 / 31 (36 months)

Core Institution in Japan (Co-Chair) Tokyo Medical and Dental University (Prof . Masaki Noda)

Implementing Organizations

Japan

Japan	Core Institution	Tokyo Medical and Dental University	
	Co-Chair (name and title)	Masaki Noda, MD . Ph.D, Professor	
	Cooperating Institutions	The University of Tokyo	Number of Cooperating Institutions
			1

Partner Countries

USA	Core Institution	Harvard University	
	Co-Chair (name and title)	Henry M.Kronenberg, M.D., Professor	
	Cooperating Institutions	Harvard Medical School Stanford University University of Dayton	Number of Cooperating Institutions
			3

Canada	Core Institution	University of Toronto	
	Co-Chair (name and title)	Jane E. Aubin , Ph.D., Professor	
	Cooperating Institutions		Number of Cooperating Institutions
			0

Austria	Core Institution	Institute of Molecular Pathology, University of Vienna	
	Co-Chair (name and title)	Erwin F. Wagner, Ph.D., Professor	
	Cooperating Institutions		Number of Cooperating Institutions
			0

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

To establish Core to Core Program by the researches in four major advanced countries with regard to research on bone and joint diseases. Tokyo Medical and Dental University in Japan, Harvard University in the United States, University of Toronto in Canada and Institute for Molecular Pathology in Austria will have a strong tie to bring a progress of this field as a world-wide collaboration.

Results to the present

Collaborative research, seminars and workshop as well as interaction among senior researchers as well as young investigators will be the three major activities in our Core to Core Program. Bone cell signaling, matrix protein and transcription factor studies were established and vigorously continued among the four participating countries. Researcher interaction at the senior and junior scientist levels were also quite vibrant. Seminars at high scientific levels were held. These collaborative research activities have been successfully continued in the last 2 years.

Summary of FY 2006 Exchange Plan

Joint Research

For collaborative research projects, Tokyo Medical and Dental University and Harvard University, University of Toronto and Institute for Molecular Pathology will work in collaboration to elucidate molecular bases for the bone and joint diseases. This will be based on the active collaboration of these four countries.

Seminar

International seminars as well as workshops for the young investigators will be conducted to pursue the cutting edge research actions in the field of bone and joint research. Specifically, current topics in the science of the skeletal diseases will be focused in this field.

Researcher Exchanges

Both senior and young scientists will be exchanged between the four countries to bring progress the program.