

Project No.:15001 Core Institution in Japan:Kyoto University
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JSPS Core-to-Core Program -Strategic Research Networks-  
FY2008 Research Report

Project No.	15001
Research Theme	Primate Origins of Human Evolution
Duration of Project	April 1.2006 — March 31.2009
Core Institution in Japan	Kyoto University
Implementing Organizations	Primate Research Institute, Kyoto University Professor Tetsuro Matsuzawa
Country	Japan
Core Institution	Kyoto University
Co-Chair (name and title)	Professor Testuro Matsuzawa
Number of Cooperating Institutions	28
Cooperating Institutions	Tokyo University, Tokyo Institute of Technology, Hokkaido University, Tohoku University, Gifu University, Graduate University for Advanced Studies, National Institute of Genetics, National Institute of Informatics, Medical Institute of Biomedical Innovation, University of Shiga Prefecture, Kyoto Prefecture University, Tokyo Women's Medical University, Meiji Gakuin University, Sugiyama Jyogakuen University, Obihiro University of Agriculture Veterinary Medicine, Okinawa University, Ochanomizu University, St. Marianna University School of Medicine, Great Ape Research Institute Hayashibara, Nagoya Institute of Technology, Okayama University, Yamaguchi University, Kagoshima University, University of the Ryukyus, Nihon University, Kwansai Gakuin University, Japan Monkey Center, National Museum of Nature and Science

Country	Germany
Core Institution	Max Planck Institute for Evolutionary Anthropology
Co-Chair (name and title)	Dr. Michael Tomasello
Number of Cooperating Institutions	2
Cooperating Institutions	Deutsches Primatenzentrum GmbH, Munchen University
Matching Fund	Max-Planck-Gesellschaft zur Förderung der Wissenschaften

Country	U.S.A.
Core Institution	Department of Anthropology, Harvard University
Co-Chair (name and title)	Dr. Richard W. Wrangham
Number of Cooperating Institutions	5
Cooperating Institutions	University of Wisconsin, Emory University, Dartmouth University, California University, University of Michigan
Matching Fund	James McDonnell Foundation

Country	UK
Core Institution	Cambridge University
Co-Chair (name and title)	Dr. William McGrew
Number of Cooperating Institutions	4
Cooperating Institutions	Oxford University, St. Andrew University, Starling University, Liverpool University
Matching Fund	BBSRC
Country	Italy
Core Institution	Institute for Science and Technology of Cognition
Co-Chair (name and title)	Professor Elisabetta Visalberghi
Number of Cooperating Institutions	2
Cooperating Institutions	Parma University, International Institute for Advanced Studies
Matching Fund	Institute for Science and Technology of Cognition

### Result of Program Implementation

The HOPE project aimed to study the “Primate Origins of Human Evolution” in other words, to explore the evolutionally foundation of human nature. We had approached this challenge through nonhuman primate research in psychological, morphological, sociological and genome areas. And we also expanded a cooperative study network for primate research in five different regions. Our collaboration brought great success not only in research but also the relationship among researchers in different countries and different study areas. Moreover this project succeeded in training young researchers for the future research works and collaborations. We held HOPE International Sinposium every year. We invited many postgraduate students and young researchers from Japan and abroad. These sinposiums provided them great oppotunities to exchange significant opinions.

### Achievements in FY2008 (Self Review)

HOPE project achieved many results in four study areas this year. In psychological area, study of reciprocity of human and these evolutionary bases were investigated by collaboration of the Primate Research Institute, Kyoto University, Japan and the group of the comparative cognitive development of Max Planck Institute for Evolutionary Anthropology, Germany. In phological area, the fossil crania of nonhuman primates were examined using CT imaging of the inner structure, in collaboration with Max Planck Institute for Evolutionary Anthropology, Germany. Fossil records and CT images are compiled as a sharing database. In sociological area, some researchers promote sociological research and protection of Bonobos in Republic of Congo and they exchange most information with study teams of several foreign laboratories. Genome study on primates has been continued on by collaboration of the comparative genomics development group in the Max Planck Institute and the Primate Research Institute, Kyoto University. In addition, a lot of researchers achieved important results in various field works and some laboratory works in USA, European, Asian and African countries.