



The International Symposium on
Comparative Cognitive Science 2008
Primate origins of human mind

Primate Research Institute, Kyoto University
<http://www.kyoto-u.ac.jp>

Kick-off ceremony of
Wildlife Research Center
at 14h00m on May 30th
at the Clock tower
<http://www.wrc.kyoto-u.ac.jp>



28-30 May 2008 at Kyoto, Japan

PROGRAM



The PRI/WRC Lecture Series “On Human Nature”

Workshop for the 150th Anniversary of the French-Japanese Relations

May 28 morning, and May 31 Morning at *Yoshida-Izumidono* (Closed, In French and English)

Symposium on Comparative Cognitive Science 2008

“Primate Origins of Human Mind”

May 28 Afternoon - May 31 at *Shiran-Kaikan* (Open to the public, In English)

Kick-off Symposium and Ceremony of the Wildlife Research Center

May 30 at *Shiran-Kaikan* (Open to the public, In English)

and *Clock Tower* (Open to the public, In Japanese)

The 2nd Kyoto open lectures by Primate Research Institute

May 31 at *Clock Tower* (Open to the public, In Japanese)

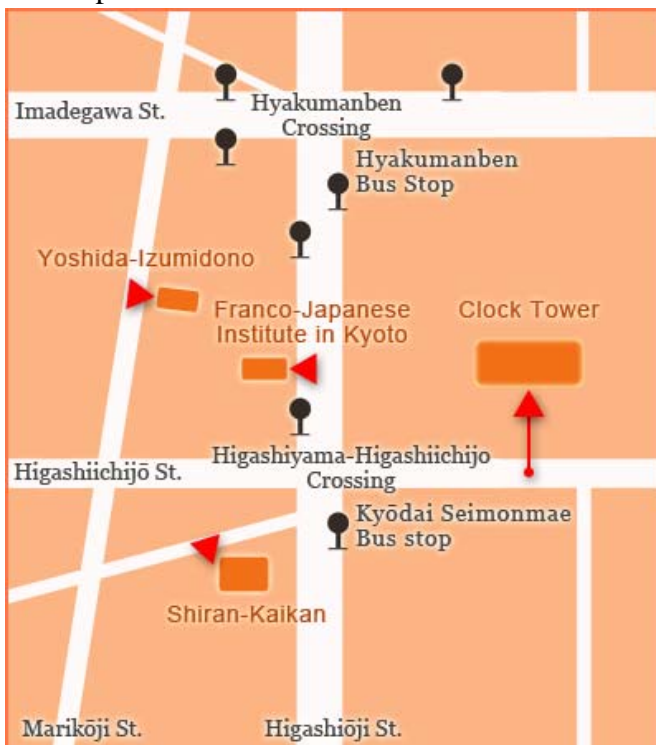
Pre-registration required < Sponsored by the Primate Society of Japan >

Lecture in Hōnen-in Temple

May 31 Night at *Honbō, Hōnen-in Temple* (Open to the public, In Japanese)

Pre-registration required

Map for Lecture Series



Hosted by

Primate Research Institute and Wildlife Research Center, Kyoto University

Sponsored by

Japan Society for the Promotion of Science
L'ambassade de France au Japon

Supported by

Kyoto University Global COE Programs
“Evolution and Biodiversity”
and “Revitalizing Education”

Wednesday, May 28

Workshop for the 150th Anniversary of the French-Japanese Relations Day 1

@ Yoshida Izumidono, Kyoto University

9:00 – 12:00

Evolutionary origin of human cognition

LESTEL, Dominique

Field medicine of human aging

MATSUBAYASHI, Kozo

The view of nature from a Buddhist

KAJITA, Shinsho

Symposium on Comparative Cognitive Science 2008 “Primate Origins of Human Mind” Day 1

@ Shiran-Kaikan, Kyoto University

12:00 – 13:00 Registration

13:00 – 13:05 Opening Remark by *MATSUZAWA, Tetsuro* / Primate Research Institute, Kyoto University

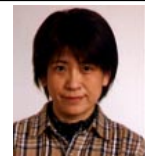
13:05 – 15:25

Session 1 (Chaired by *TAKESHITA, Hideko* / The University of Shiga Prefecture)

13:05 –

Perceptual bases for social cognition in chimpanzees:
Comparative-developmental approaches

TOMONAGA, Masaki (Plenary speaker) / Primate Research Institute, Kyoto University



13:35 –

Development of gaze interaction

OKAMOTO-BARTH, Sanae / Department of Economics, Faculty of Economics and Business Administration &
Department of Cognitive Neuroscience, Faculty of Psychology, Maastricht University



13:55 –

Stacking blocks in chimpanzees and humans

HAYASHI, Misato / Department of Comparative Study of Cognitive Development (funded by Benesse Corporation), Primate Research Institute Kyoto University



14:15-

Drawing behavior of chimpanzees (*Pan troglodytes*) compared with human children

SAITO, Aya / JSPS Research Fellow (PD), Tokyo University of the Arts



14:35 –

Neural activities in an awake chimpanzee: ERP studies towards hominid cognitive neurosciences

UENO, Ari / The University of Shiga Prefecture



14:55 –

In search of self-awareness in capuchin monkeys

ANDERSON, James R. / Department of Psychology, University of Stirling



15:25 – 15:45 **COFFEE BREAK**

15:45 – 17:30

Session 2 (Chaired by *ITAKURA, Shoji* / Graduate School of Letters, Kyoto University)

15:45 –

Intuitive recognition of physical event in chimpanzees and Japanese monkeys

MURAI, Chizuko / Brain Science Institute, Tamagawa University

16:05 –

Voice processing in human fetuses

KISILEVSKY, Barbara / School of Nursing, Queen's University

16:30 –

Early social cognition in chimpanzees

MYOWA-YAMAKOSHI, Masako / Graduate School of Education, Kyoto University

16:50 –

Comparisons of chimpanzee and bonobo cognition

HARE, Brian (Plenary speaker) / Duke University



17:30 –19:00

Poster Presentations A Cognition, Development, and Social Behavior

A-1

The perception of body and facial expression in chimpanzees (*Pan troglodytes*): An experiment using matching to sample

*KANO, Fumihiko*¹; *TANAKA, Masayuki*²; *TOMONAGA Masaki*¹ / 1: Primate Research Institute, Kyoto University, 2: Wildlife Research Center, Kyoto University

A-2

Perception of the Ebbinghaus-Titchener circles in pigeons, bantams and humans

NAKAMURA, Noriyuki^{1,2}; *WATANABE, Sota*¹; *FUJITA, Kazuo*¹ / 1: Kyoto University 2: Japan Society for the Promotion of Science

A-3

Quick detection of snakes by humans and Japanese monkeys: An evolutionary predisposed visual system

*SHIBASAKI, Masahiro*¹; *KAWAI, Nobuyuki*² / 1: Primate Research Institute, Kyoto University 2: Graduate School of Information Science, Nagoya University

A-4

Preferred contents of movies as an enrichment method for Japanese macaques

OGURA, Tadatoshi / Primate Research Institute, Kyoto University & Japan Society for the Promotion of Science

A-5

Comparative cognitive study of visual organization in animals: Exploration with an attentional shifting task

*USHITANI, Tomokazu*¹; *TOMONAGA, Masaki*²; *IMURA, Tomoko*^{2,3} / 1: Faculty of Letters, Chiba University 2: Primate Research Institute, Kyoto University 3: Japan Society for the Promotion of Science

A-6

Social referencing in chimpanzees: Responses to the fear presentation by humans

*AKAGI, Kazushige*¹; *HAYASHI, Misato*² / 1: Faculty of Education, Mie University 2: Primate Research Institute, Kyoto University

Wednesday, May 28

A-7

Planning in human children (*Homo sapiens*) while solving a plus-shaped maze on the touch screen

MIYATA, Hiromitsu^{1, 2}; ITAKURA, Shoji¹; FUJITA, Kazuo¹ / 1: Graduate School of Letters, Kyoto University 2: Research Fellow of the Japan Society for the Promotion of Science

A-8

Do capuchin monkeys flatter dominants?

TAKIMOTO, Ayaka¹; KUROSHIMA, Hika^{2, 3}; FUJITA Kazuo¹ / 1: Graduate School of Letters, Kyoto University 2: Japan Society for the Promotion of Science 3: Department of Psychology, University of Georgia

A-9

Is it a male or female? -Intermodal representation in dogs-

TAKAOKA, Akiko / Graduate School of Letters, Kyoto University

A-10

Perception of Thatcher illusion by squirrel monkeys

NAKATA, Ryuzaburo¹; OSADA, Yoshihisa^{1, 2} / 1: Rikkyo Amusement Research Centre 2: Rikkyo University

A-11

Analysis of cultural effect to angle judgment: Case of Japanese

WATANABE, Sota¹; NAKAMURA, Noriyuki^{1, 2}; FUJITA, Kazuo¹ / 1: Kyoto University 2: Japan Society for the Promotion of Science

A-12

Differential effects of visual context in an odd-item search by birds and primates

GOTO, Kazuhiro^{1, 2}; TOMONAGA, Masaki³; IMURA, Tomoko^{2, 3}; WATANABE, Shigeru¹ / 1: Keio University 2: Japan Society for the Promotion of Science 3: Primate Research Institute, Kyoto University

A-13

Developmental relation between introspective ability and second-order false-belief understanding: The role of recursive thinking

KANAKOGI, Yasuhiro; MORIGUCHI, Yusuke; ITAKURA, Shoji / Graduate School of Letters, Kyoto University

A-14

Numerical judgment by pigeons

OTAKI, Sho / Keio University

A-15

Collective matching-to-sample task for pairs of chimpanzees

MARTIN, Christopher¹; BIRO, Dora²; MATSUZAWA, Tetsuro¹ / 1: Primate Research Institute, Kyoto University 2: Department of Zoology, University of Oxford

A-16

Developmental change of nursing in captive chimpanzee (*Pan troglodytes*) mother/offspring pairs

MIZUNO, Yuu / Chubu Gakuin University

A-17

Learning to use a trackball device by chimpanzees

KANEKO, Takaaki; TOMONAGA, Masaki / Primate Research Institute, Kyoto University

A-18

Development of agile gibbons

UCHIKOSHI, Makiko / Primate Research Institute, Kyoto University

A-19

Chimpanzee behavioral strategies for occupying a feeding apparatus in a competitive situation

SATO, Yoshiaki^{1, 2}; HAYASHI, Misato¹ / 1: Primate Research Institute, Kyoto University 2: JSPS

18:30 – 20:00

Party

Guests: MUROFUSHI, Kiyoko; ASANO, Toshio; NAGUMO, Sumiharu; KUMAZAKI, Kiyonori

Symposium on Comparative Cognitive Science 2008 “Primate Origins of Human Mind”

Day 2

@ Shiran-Kaikan, Kyoto University

8:30 – 9:00 Registration

9:00 – 12:10

Session 3 (Chaired by *KAWAI Nobuyuki* / Graduate School of Information Science, Nagoya University)

9:00 –

Stone tool use of capuchins in the wild

VISALBERGHI, Elizabetta (Plenary speaker) / Istituto di Scienze e Tecnologie della Cognizione



9:40 –

Cognitive background of reciprocal altruism in tufted capuchin monkeys (*Cebus apella*)

HATTORI, Yuko / Japan Society for the Promotion of Science, Primate Research Institute



10:00 –

Cross-modal representations of familiar conspecifics in rhesus macaques

ADACHI, Ikuma / Primate Research Institute, Kyoto University & Japan Society for the Promotion of Science



10:20 –

Comparing bird and primate cognition

BOVET, Dalila / Laboratoire d'Éthologie et Cognition Comparées



10:45 –

Working memory of numerals in human children and young chimpanzees

INOUE, Sana / Primate Research Institute, Kyoto University



11:05 –

Categorization of photographs of food in captive chimpanzees (*Pan troglodytes*): Assessment on the basis of typicality by humans

TANAKA, Masayuki / Wildlife Research Center, Kyoto University



11:25 –

Visual perception of body postures in capuchin monkeys (*Cebus apella*)

MATSUNO, Toyomi / Graduate School of Letters, Kyoto University and the Japan Society for the Promotion of Science



11:45 –

Teaching chimpanzees to draw, sort objects, solve fingermazes, intercept targets, and copy images using computerized touchmonitor technology

IVERSEN, Iver / University of North Florida



12:10 – 13:40

Poster Presentations B Wildlife, Field, and Zoo Science

(with Lunch Time)

B-1

Affective influences of scream calls on other individuals in wild capuchin monkeys

MORIMOTO, Yo¹; FUJITA, Kazuo¹; LOPES, Monica P.²; PETRINI, Ana Silvia Q.²; COELHO, Camila G.²; OTTONI, Eduardo, B.² / 1: Graduate School of Letters, Kyoto University 2: Department of Experimental Psychology, São Paulo University

B-2

Dance display and bower formation at “group display site” in male Great Bowerbirds

ENDO, Chihiro¹; EGUCHI, Kazuhiro²; TAKAHASHI, Masao³; UEDA, Keisuke³ / 1: Center for Ecological Research, Kyoto University 2: Science, Kyushu University 3: Science, Rikkyo University

B-3

Bifidobacteria of chimpanzees in the wild and in captivity

UWATOKO, Yukie; USHIDA, Kazunari / Graduate school of Life and Environmental Science, Kyoto Prefectural University

B-4

Life histories and hormones: Variations by habitat in female *Macaca fuscata*

CHALMERS, Alisa / Graduate School of Science, Kyoto University

B-5

Phenotypic characterization of forest and savannah chicken ecotypes of Ghana

KAYANG, Boniface Baboreka / Wildlife Research Center, Kyoto University

B-6

Meat eating by bonobos: Prey image and meanings of meat eating behavior

TASHIRO, Yasuko / Great Ape Research Institute (GARI), Hayashibara Biochemical Laboratories, Inc.

B-7

DNA analyses in wild animals: Paternity and relatedness in primates

INOUE, Eiji¹; INOUE-MURAYAMA Miho² / 1: Human Evolution Studies, Graduate School of Science, Kyoto University 2: Wildlife Research Center of Kyoto University

B-8

Sex differences in bed height of chimpanzees in the Mahale Mountains National Park, Tanzania

ZAMMA, Koichiro / Great Ape Research Institute, Hayashibara Biochemical Laboratories, Inc.

B-9

Face morphology of canid species: Why is wolf's gaze so impressive for us?

UEDA, Sayoko¹; KOSHIMA, Shiro² / 1: Faculty of Bioscience and Biotechnology, Tokyo Institute of Technology 2: Wildlife Research Center, Kyoto University

B-10

Effects of ambient noise on dolphin whistles: Constraints on sub-grouping pattern?

MORISAKA, Tadamichi^{1, 2, 3, 4}; SAKAI, Mai^{2, 3, 5}; SHIRAKIHARA, Miki⁶; MORI, Kyoichi⁷; KOGI, Kazunobu⁸ / 1: Department of Zoology, Kyoto University 2: Department of Biological Sciences, Tokyo Institute of Technology 3: Japan Society for the Promotion of Science 4: Wildlife Research Center, Kyoto University 5: International Coastal Research Center, The University of Tokyo 6: Department of Biology, Faculty of Science, Toho University 7: Ogasawara Whale Watching Association 8: Tourism Information Center of Mikurashima Tourism Association

B-11

How do dolphins sleep? - Mothers and neonates sleep with continuous activity

SEKIGUCHI, Yuske / Faculty of Commerce and Economics, Chiba University of Commerce

B-12

Seasonal change in foraging behavior of Borneo orangutan in Danum Valley

KANAMORI, Tomoko¹; KUZE, Noko²; MALIM, Titol P.³; BERNARD, Henry⁴; KOSHIMA, Shiro⁵ / 1: Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology 2: Graduate School of Science, Kyoto University 3: Sabah Wildlife Department 4: Institute for Tropical Biology and Conservation, University Malaysia Sabah 5: Wildlife Research Center of Kyoto University

B-13

Behavior of the black and white rhinoceros in Japanese zoos

*KIYASU, Kaoru*¹; *KOSHIMA, Shiro*² / 1: Department of Biological Sciences, Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology 2: Wildlife Research Center of Kyoto University

B-14

A day in the life - Studies of ring-necked parakeet naturalized in Tokyo

*IKEDA, Takehide*¹; *YOSHI, Satoshi*¹; *KIKUKAWA, Mai*¹; *TAMURA, Yuta*¹; *TAKAGI, Issei*¹; *KOSHIMA, Shiro*² / 1: Fac. Bioscience, Tokyo Institute of Technology 2: WRC, Kyoto Univ.

B-15

Why are the neon tetras so vivid? -The "mirror-image decoy" hypothesis

*IKEDA, Takehide*¹; *KOSHIMA, Shiro*² / 1: Fac. Bioscience, Tokyo Institute of Technology 2: WRC, Kyoto Univ.

B-16

Activity rhythm and resting behaviors of killer whales (*Orcinus orca*)

*IWASAKI, Mari*¹; *ARAI, Kazutoshi*²; *KOSHIMA, Shiro*¹ / 1: Faculty Bioscience and Biotechnology, Tokyo Institute of Technology 2: Kamogawa SEA WORLD

B-17

Behavioral pattern analysis of Ganges river dolphin by using stationed acoustic data loggers

*YAMAMOTO, Yukiko*¹; *AKAMATSU, Tomonari*²; *URA, Tamaki*³; *SUGIMATSU, Harumi*³; *KOJIMA, Junichi*⁴; *BAHL, R.*⁵; *BEHERA, S.K.*⁶; *PATTNAIK, A.*⁷; *PANDA, S.*⁷; *KHAN, M.*⁷; *KAR, S.*⁸; *KAR, C.*⁸; *KOSHIMA, Shiro*⁹ / 1: Tokyo Institute of Technology 2: National Research Institute of Fisheries Engineering 3: IIS, Tokyo University 4: KDDI R&D Lab. 5: India Institute of Technology-Delhi 6: WWF-India 7: Chilika Development Authority 8: Orissa Forest Department 9: Wildlife Research Center of Kyoto University

B-18

Long-tail macaques use human hair as dental floss

*KOBA, Reiko*¹; *KODA, Hiroki*²; *TANAKA, Toshiaki*³; *MASATAKA, Nobuo*²; *WATANABE, Kunio*² / 1: National Institute of Neuroscience, National Center of Neurology and Psychiatry 2: Primate Research Institute, Kyoto University 3: Baiko Gakuin University

B-19

Captive great apes in Japan

OCHIAI-OHIRA, Tomomi / Primate Research Institute of Kyoto University

B-20

The clicks sound and these functions of captive Commerson's dolphins (*Cephalorhynchus commersonii*)

*YOSHIDA, Yayoi*¹; *MORISAKA, Tadamichi*¹; *SAKAI, Mai*²; *IWASAKI, Mari*³; *WAKABAYASHI, Ikuo*⁴; *SEKO, Atushi*⁴; *KASAMATU, Masahiko*⁴; *AKAMATSU, Tomonari*⁵; *KOSHIMA, Shiro*¹ / 1: Kyoto University 2: University of Tokyo 3: Tokyo Institute of Technology 4: TOBA Aquarium 5: National Research Institute of Fisheries Engineering

B-21

Obesity indices of chimpanzees

*FUJISAWA, Michiko*¹; *MORIMURA, Naruki*¹; *NOGAMI, Etsuko*¹; *UDONO, Toshifumi*² / 1: Wildlife Research Center of Kyoto University 2: Sanwa Kagaku Kenkyusyo

B-22

Education program @ the Chimpanzee Sanctuary Uto

NOGAMI, Etsuko; *MORIMURA, Naruki* / Wildlife Research Center, Kyoto University

13:40 – 15:20

Session 4 (Chaired by YAMAKOSHI, Gen / Graduate School of Asian and African Area Studies, Kyoto University)



13:40 –

Do chimpanzees cooperate with conspecifics altruistically or reciprocally? : Perspectives from experimental studies

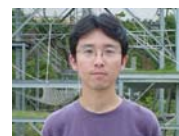
YAMAMOTO, Shinya / Primate Research Institute, Kyoto University



14:00 –

Development of tool-using behaviors in an infant chimpanzee

HIRATA, Satoshi / Great Ape Research Institute, Hayashibara Biochemical Laboratories, Inc.



14:20 –

Welfare issues in Chimpanzee Sanctuary UTO

MORIMURA, Naruki / Assistant Professor, Department of Welfare and Longevity, Wildlife Research Center, Kyoto University



14:40 –

From Bossou to Liberian forest: Chimpanzee survey across national border in West Africa

OHASHI, Gaku / Research Associate, Primate Research Institute, Kyoto University



15:00 –

Chimpanzee archaeology and the evolutionary origins of technology

CARVALHO, Susana / Leverhulme Centre for Human Evolutionary Studies, University of Cambridge



15:20 – 15:40 **COFFEE BREAK**

15:40 – 18:25

Session 5 (Chaired by FUJITA, Kazuo / Graduate School of Letters, Kyoto University)

15:40 –

Baboon metaphysics: The evolution of a social mind

SEYFARTH, Robert (Plenary speaker) / Department of Psychology, University of Pennsylvania



16:20 –

Ecology and behavior of Borneo orangutan at Danum Valley conservation area in

Malaysia

KUZE, Noko / Graduate School of Science, Kyoto University



16:40 –

Laterality of flipper rubbing behaviour in wild bottlenose dolphins

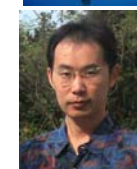
SAKAI, Mai / Ocean Research Institute, the University of Tokyo



17:00 –

Reactions to mirror reflection in squid

IKEDA, Yuzuru / Department of Chemistry, Biology & Marine Science, University of the Ryukyus



17:20 –

The peacock's tail or peacock's call: A study of sexual selection in Indian peafowl

TAKAHASHI, Mariko / No affiliations



17:40 –

Relative numerosness judgment and summation by Asian elephants

IRIE, Naoko / University of Tokyo



18:00 –

Lola ya bonobo in pictures - A photographic essay of the world's only bonobo sanctuary

WOODS, Vanessa / Duke University



Friday, May 30

Joint Program

**Symposium on Comparative Cognitive Science 2008 “Primate Origins of Human Mind”
Day 3**

Workshop for the 150th Anniversary of the French-Japanese Relations Day 2

Kick-Off Symposium of the Wildlife Research Center, Kyoto University

@ Shiran-Kaikan, Kyoto University

8:30 – 9:00 Registration

9:00 – 12:00

Session 6 (Chaired by MATSUZAWA Tetsuro / Primate Research Institute, Kyoto University)

9:00 –

Social ecology of gorillas: Socially stable with different feeding strategies

YAMAGIWA, Juichi / Kyoto University



9:30 –

Wild orangutan in Borneo

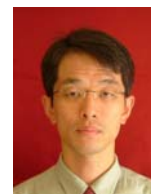
ANCRENAZ, Marc



10:00 –

Variation in spatial spread of a group and its behavioural correlates in Japanese macaques

SUGIURA, Hideki / Wildlife Research Center, Kyoto University



10:30 –

Wild chimpanzees in Kibale

KRIEF, Sabrina



11:00 –

Coexistence and competition between wild chimpanzees and villagers in Bossou, West Africa

HOCKINGS, Kimberley Jane / Dep. Antropologia Faculdade de Ciências Sociais e Humanas Universidade Nova de Lisboa



11:30 –

Behavioral differences between neighbouring groups of chimpanzees at Mahale

NAKAMURA, Michio / Wildlife Research Center, Kyoto University



Kick-Off Ceremony of the Wildlife Research Center, Kyoto University

@ Clock Tower, Kyoto University

14:00 – 17:00

Chaired by *NAKAMURA, Michio*

Plenary Memorial Lectures

IDANI, Gen'ich

KOHSHIMA, Shiro

INOUE-MURAYAMA, Miho

Film: *NAKAMURA, Miho*

Congratulatory Address

OIKE, Kazuo; HIDAKA, Toshitaka; YAHARA, Tetsukazu; HASEGAWA, Toshikazu

Saturday, May 31

Joint Program

Symposium on Comparative Cognitive Science 2008 “Primate Origins of Human Mind”

Day 4

Workshop for the 150th anniversary of the French-Japanese relations Day 3

@ Yoshida Izumidono, Kyoto University

9:00 – 11:00

9:30 –

Nos voisins chimpanzés: Ecologie de la coexistence avec les hommes et les chimpanzés au village en Guinée

YAMAKOSHI, Gen / Graduate School of Asian and African Area Studies, Kyoto University



10:00 –

Associative long term memory in baboons (and pigeons)

FAGOT, Joël / CNRS-Mediterranean Institute of Cognitive Neurosciences, Marseille



10:30 –

The human, the monkey and the devil. When Christian theology and primatology meet together

ARNOULD, Jacques / Centre National d'Etudes Spatiales



Kyoto Open Lectures by the Primate Research Institute, Kyoto University

@ Clock Tower, Kyoto University

13:00 – 17:00

The 60th anniversary of Japanese primatology

KAWAI, Masao

Lecture in Hōnen-in Temple

19:00 – 21:00 *MATSUZAWA, Tetsuro*

連続講義「人間とは何か」 On human nature

連続講義「人間とは何か」

English

2008年5月28日(水) - 31日(土) 京都大学

2008年、日本の霊長類学は60年目を迎えました。2008年、京都大学霊長類研究所のチンパンジー認知研究(アイ・プロジェクト)は30周年を迎えました。そして、2008年、京都大学に野生動物研究センターが発足しました。これらを記念して、連続講義「人間とは何か」を京都大学で開催します。



独立行政法人日本学術振興会
Japan Society for the Promotion of Science

AMBASSADE DE FRANCE AU JAPON
在日フランス大使館

京都大学 グローバルCOEプログラム
生物の多様性と進化研究のための拠点形成 - ゲノムから生態系まで
- 京都大学理学部理科生命科学専攻 -

京都大学グローバルCOEプログラム
心が活きる教育のための国際的拠点



京都大学霊長類研究所
Primate Research Institute, Kyoto University



京都大学
野生動物研究センター
Wildlife Research Center of Kyoto University

