

Programme

2009 Annual Meeting of the Mammalogical Society of Japan at Taipei

Date: 21–24 November 2009

Nov. 22: International Conference Hall

Japan and Taiwan Cooperative Symposium 1

15:00–18:15 **Japan and Taiwan Cooperative Symposium 1**
Current status and challenge of mammal management in East Asia
—Consensus building and cooperation with local residents—

“Introduction: Challenge of mammal management in East Asia”

Koji Yamazaki (Ibaraki Nature Museum)

“Consensus building with local resident for the reintroduction project of Asiatic black bear (*Ursus thibetanus ussuricus*) in South Korea”

Dong Hyuk, Jeong & Bae Keun, Lee (Species Restoration Center, Korea National Park Service)

“A key on wildlife management: the aboriginal people in Taiwan”

Wang Ying (Taiwan Normal University)

“Wildlife management with cooperation of local people, village, administration in Hyogo Prefecture”

Mayumi Yokoyama (University of Hyogo)

“Wildlife conservation in cooperation with local communities neighboring a National Park in Kenya”

Hiroshi Imae (Hokkaido University)

Commentators: Koichi Kaji, Hwang Mei-Hsiu

Nov. 23: International Conference Hall

Members' Meeting / The Mammalogical Society Prize Lecture / Japan and Taiwan Cooperative Symposium 2

11:00–12:30 **Members' Meeting**

13:30–14:15 **The Mammalogical Society Prize Lecture**
Kazuo Moriwaki (RIKEN BioResource Center)

14:30–17:45 **Japan and Taiwan Cooperative Symposium 2**
Zoogeography of Mammals in East Asia—Understanding the Island Fauna

Introduction “Island mammal fauna in East Asia”

Masaharu Motokawa (The Kyoto University Museum, Japan)

“Zoogeography of small mammals in Taiwan”

Hon-Tsen Yu (Institute of Zoology and Department of Life Science, National Taiwan University, Taiwan)

“Phylogeography of giant flying squirrels: evolutionary history of arboreal small mammals in Asia's forests”

Tatsuo Oshida (Obihiro University of Agriculture and Veterinary Medicine)

“Pleistocene mammalian fossils in Taiwan”

Chun-Hsiang Chang (Department of Geology, National Museum of Natural Science, Taiwan)

“Molecular phylogeography on carnivores of Japan and Taiwan”

Ryuichi Masuda (Faculty of Science, Hokkaido University, Japan)

18:30–20:30 **Beer Party for Participants from Japan and Taiwan**

Workshops

- F22-1 **Taxonomic reviews of Taiwanese Insectivora**
Shin-Ichiro Kawada (Dept. Zool, Natl. Mus. Nat. Sci), Masatoshi Yasuda (FFPRI-Kyushu)
Nov. 22 10:30–12:30 Room C-01
- F22-2 **Convention on Biological Diversity and Conservation of Mammals in Urban Areas**
Akiko Hasegawa (Nagoya Univ, Agr), Junji Moribe (Nagoya Univ, Agr)
Nov. 22 10:30–12:30 Room C-02
- F22-3 **Population Control of Japanese Macaques**
Watanabe Kunio, Enari Hiroto (Primate Res. Inst., Kyoto Univ.), Tokida Kunihiko (Japan Wildlife Res. Center)
Nov. 22 12:45–14:45 Room C-01
- F22-4 **Recent cetology studies in Taiwan and Japan**
Tadasu K. Yamada (National Museum of Nature and Science), Lien-Siang Chou (National Taiwan University)
Nov. 22 12:45–14:45 Room C-02
- F23-1 **Foods of mammals, 2. Comparisons of two animals at two places**
Seiki Takatsuki, Takafumi Tatewaki (Laboratory of Wildlife Ecology and Conservation, Azabu University)
Nov. 23 9:00–11:00 Room C-01
- F23-2 **Drive monkeys away!! —The present situation of driving monkeys away to reduce crop damage in Japan—**
Kei Shirai (Wildlife Management Office, Inc.), Misao Okano (Wildlife Management Office Inc.),
Seino Hironori (Wildlife Management Office, Inc.), Mami Saeki (Wildlife Management Office, Inc.),
Takeharu Uno (Miyagi Monkey and Mammal Management Center), Yutaka Yoshida (Yamanashi Institute of
Environmental Sciences)
Nov. 23 9:00–11:00 Room C-02
- F24-1 **Diet and morphological evolution in mammals**
Masakazu Asahara (Kyoto Univ.)
Nov. 24 9:00–11:00 Room C-01
- F24-2 **Approaches for bear species population monitoring in Japan**
Tsutomu Mano (Hokkaido-IES), Yoshikazu Sato (Nihon Univ.)
Nov. 24 12:30–14:30 International Conference Hall
- F24-3 **The latest chapters of the carnivore research techniques manual: Where next?**
Yayoi Kaneko (Tokyo University of Agriculture and Technology), Yuko Fukue (Wildlife Community Institute)
Nov. 24 12:30–14:30 Room A-03
- F24-4 **Morphology, now 14**
Hideki Endo. (Univ. Museum, Univ. Tokyo)
Nov. 24 12:30–14:30 Room C-01

- 11:00 22国-1 Analysis of activity rhythm of the nutria using acceleration data-logger
Shinichi Watanabe
Fukuyama Univ.
- 11:15 22国-2 New detection method for some murids with feeding sign from sunflower seeds
*Reiko Ishiwaka, Yasuhisa Masuda
Univ. Kyushu, Fac. Agriculture
- 11:30 22国-3 Population dynamics and demographic parameters of sika deer population under heavy hunting pressures in the northern part of Japan
*Shingo Miura¹, Shin-Ichi Horino², Toru Oi², Seiki Takatsuki³, Teruki Oka², Takashi Yamauchi⁴
Waseda Univ.¹, Forest Res. Institute², Azabu Univ.³, Res. Insitute Environ. Sci. Iwate⁴
- 11:45 22国-4 Estimation of the spatial-temporal population dynamics of sika deer by multi indexes of the density using state-space models
*Yasutaka Kishimoto¹, Daisuke Fujiki^{1,2}, Hiroshi Sakata^{1,2}
Wildlife Management Research Center, Hyogo¹, Univ. Hyogo²
- 13:30 22国-6 Sleep disturbance in Japanese monkey by Sika deer —Deer eat feces of monkey in the night—
*Mari Nishikawa, Koji Mochida
Univ. Kyoto
- 13:45 22国-7 The status of sika deer management in the Nishiokoppe Special Hunting Area
*Hiromasa Igota¹, Yukiko Matsuura², Masatsugu Suzuki³
Rakuno Gakuen Univ.¹, Hokkaido Univ.², Gifu Univ.³
- 14:00 22国-8 Post crash behavior of two contrasting sika deer population: population limitation and regulation
*Koichi Kaji¹, Yuko Yamamoto², Hiroshi Takahashi³, Masami Miyaki⁴
Tokyo Univ. of Agri. & Tec. ^{1,2}, FFPRI Kansai branch³, Rakuno Univ. ⁴
- 14:15 22国-9 Sika Deer Conservation of Yakushima & Kuchinoerabujima Isis. based on Civic Research Activities
*Shirow Tatsuzawa¹, Takashi Kawamura², Kenshi Tezuka³, Yoichi Arata³, Katsuya Kawasaki⁴
Hokkaido Univ.¹, Yakushima Seibutsu-bu², YOCA ³, Yakushima-cho ⁴

- 11:00 22A-1 The status of the Japanese black bear suggested by the mitochondrial DNA and the MHC gene analyses
*Yoshiki Yasukochi¹, Shin Nishida¹, Toshifumi Kurosaki², Masaaki Yoneda², Hiroko Koike¹
Univ. Kyushu¹, JWRC²
- 11:15 22A-2 Carbon, nitrogen, and oxygen isotopic compositions of bone collagen and tooth enamel carbonate of the sea otter *Enhydra lutris* from archaeological sites at Adak Island, Aleutian Archipelago
Ame Garong¹, Chizuru Takashima², Shin Nishida¹, Akihiro Kano¹, *Hiroko Koike¹
Kyushu University¹, Saga University²
- 11:30 22A-3 Localization of translocated Y chromosome region in small Indian mongoose
*Asato Kuroiwa^{1,4}, Fumihito Sawaya¹, Katsushi Nakata², Fumio Yamada³, Shintaro Abe², Chizuko Nishida⁴, Yoichi Matsuda⁵
Grad. Sch. Life Sci., Hokkaido Univ.¹, Min. Env.², FFPRI.³, Grad. Sch. Sci., Hokkaido Univ.⁴, Grad. Sch. Life Agr., Nagoya Univ.⁵
- 11:45 22A-4 Conservation Genetics of the Japanese Marten (*Martes melampus*)
*Jun J. Sato¹, Shumpei P. Yasuda², Tetsuji Hosoda³
Dept. Biotech., Fukuyama Univ.¹, Dept. Microbiol., Hokkaido Univ.², Wakayama Taikyu High School³
- 12:00 22A-5 The oldest colobine fossils in Southeast Asia
*Masanaru Takai¹, Thaung-Htike², Zin-Maung-Maung-Thein¹, Naoko Egi¹, Takeshi Nishimura¹
Primate Res. Inst., Kyoto Univ.¹, Shwebo Univ. (Myanmar)²
- 13:30 22A-6 Variation of the number of the vertebrae in Lagomorpha
*Hayatoshi Hirata¹, Shin-ichiro Kawada², Osamu Hoson³, Yoshisa Mori¹
Teikyo Univ. Science & Technology¹, National Museum of Nature and Science, Tokyo², Nagoya Uni.³
- 13:45 22A-7 Relationship between the elbow joint angle and the skeletal morphology in inversed quadrupedalism
*Shin-ichi Fujiwara, Hideki Endo
Univ. Museum, Univ. Tokyo
- 14:00 22A-8 Piglet's choices of teat position on wild pigs and primitive domestic pigs in Asia
*Yaetsu Kurosawa¹, Kazue Tanaka²
The Cattle Museum¹, Tokyo Univ. of Agri.²
- 14:15 22A-9 Common characteristics of debarking and twig cutting by the rat, *Rattus rattus* complex
*Tatsuo Yabe¹, Takuma Hashimoto², George A. Rivera³
Trop. Rat Contr. Comm.¹, Japan Wildl. Res. Cent.², Philip Wood³

- 9:00 23国-1 Effects of different frequency of deer foraging on herbaceous communities in open site
*Atushi Takayanagi¹, Roku Goda²
Kyoto Univ.¹, Asahi Shimbun Co.²
- 9:15 23国-2 Studies on the ecology and roosting behavior of Ussuri tube-nosed bat, *Murina ussuriensis*, based on the use of dead-leaf *Mallotus japonicus* traps
*Kimitake Funakoshi¹, Kenta Nagaoka¹, Kouhei Takeyama¹, Madoka Indou²
Int. Univ. of Kagoshima¹, Kagoshima Univ.²
- 9:30 23国-3 Population parameter estimates for Japanese Northern Bat *Eptesicus japonensis*, on Norikura Highland in Nagano Prefecture
Terumasa Yamamoto
Gifu Prefectural Tokikoryo High School
- 9:45 23国-4 Damage control of Japanese Pipistrelle
Nobusuke Nishi
- 10:00 23国-5 The study of life history of *Glirulus japonicus* using nest boxes
*Shusaku Minato^{1,2}, Manami Iwabuchi^{1,2}, Aiba Haruka^{1,2}, Chise Minato²
Dormouse Museum¹, The Japanese Dormouse Preservation & Research Group²
- 10:15 23国-6 Food habits of Japanese marten in suburban areas
Kyoko Sakakida
Ryukoku Univ.

- 9:00 23A-1 Adaptive deer management model in Yakushima Island
*Hiroyuki Matsuada¹, Aomi Ohta²
Yokohama National University¹, Fuefuki-shi²
- 9:15 23A-2 Autumn food habits and movements of Asiatic black bears in Toyama prefecture
*Isao Arimoto¹, Yusuke Goto², Chika Nagai¹, Kengo Furubayashi³
Tokyo Univ. of Agri. and Tech.¹, Tateyama Caldera Sabo Museum², Ptarmigan protection study group³
- 9:30 23A-3 Improvement of the harvest based estimation of a brown bears population by applying an independent estimation
*Tutomu Mano¹, Hiroyuki Matsuda², Shosuke Natsume¹, Hifumi Tsuruga¹
Hokkaido-IES¹, Yokohama National Univ.²
- 9:45 23A-4 Sizes and shapes of gaps large enough for masked palm civets (*Paguma larvata*) to enter—Effect of optical factors—
*Chihiro Kase¹, Yusuke Eguchi², Masuo Furuya³, Katsuji Uetake¹, Toshio Tanaka¹
Grad sch vet sci, Azabu Univ¹, WeNARC², Saitama AFRC.³
- 10:00 23A-5 Characteristics of carbon and nitrogen stable isotope ratios of the Japanese macaque hairs
*Toru Oi¹, Hironori Seino², Shin'ichiro Hamazaki²
FFPRI¹, WMO²
- 10:15 23A-6 Population dynamics of hybrid monkeys between two Sulaewsi macaque species
Watanabe Kunio
Primate Res. Inst., Kyoto Univ.

- 10:00 24国-1 Sightability of aerial surveys for sika deer (*Cervus nippon*)
*Hiroyuki Uno¹, Tosio Kurumada¹, Yoshihiro Inatomi¹, Katsumi Tamada¹, Koichi Kaji²
Hokkaido Inst. Environmental Sciences¹, Tokyo Univ. Agriculture and Technology²
- 10:15 24国-2 Analysis of factors affecting rice crop damage by sika deer in a landscape context in the Boso Peninsula
*Mayura Takada¹, Maki Suzuki², Keiji Ochiai³, Masahiko Asada³, Tadashi Miyashita²
Obihiro Univ.¹, Univ. Tokyo², Natural history Museum and Institute, Chiba³
- 10:30 24国-3 Invention of drop net for deer capture
Yasuyuki Muroyama^{1,2}, Akira Taguchi², Sachiko Nakamura^{1,2}, Yasutaka Kishimoto², Masayoshi Nagamoto³, Tetsuya Matsumoto⁴, Youichi Kitagawa⁴, *Yoshiki Morimitsu^{1,2}
University of Hyogo Wildlife Management Research Center, Hyogo¹, Wildlife Management Research Center, Hyogo², Machine Metallic Industrial Technology Support Center, Hyogo Pref.³, Hyogo Prefectural Institute of Technology⁴
- 10:45 24国-4 Recent status of Uotsuri-jima, Senkaku Island under the introduced goat problem
*Yasushi Yokohata¹, Masatsugu Yokota², Masami Kaneko³, Buho Hoshino³, Takashi Ono⁴, Mai Minamisawa⁴
Grad. Sch. Sci. Eng., Univ. Toyama¹, Fac. Sci., Univ. Ryukyus.², Fac. Env. Syst., Rakuno Gakuen Univ.³, EnVision⁴
- 11:00 24国-5 Designs to Remove the Effect from Body Heating on Temperature Sensor Built in the GPS Housing of GPS3300 Radio-Collar
*Zhaowen Jiang¹, Seiki Takatsuki², Masahiko Kitahara³, Mikio Sugita³
WMO¹, Azabu Univ.², Yamanashi Inst. Envir. Sci.³
- 11:15 24国-6 Reduction of habitat and some characteristics of collected individuals of the endangered Okinawa spiny rat *Tokudaia muenninki*
*Fumio Yamada¹, Norihiro Kawauchi², Katsushi Nakata³, Yuji Miyake³, Sota Fukuchi³, Hiroshi Shichiri³, Sintaro Abe³, Nobuhiko Kotaka¹, Atsushi Takashima⁴, Asato Kuroiwa⁵, Chie Murata⁵
Forestry and Forest Products Res. Inst. (FFPRI)¹, Islands Wildlife Lab.², Naha Office of the Ministry of the Environment³, University of the Ryukyus⁴, Hokkaido University⁵
- 11:30 24国-7 Genetic background of four subspecies of the Japanese hare, *Lepus brachyurus*, by mitochondrial and nuclear loci
*Mitsuo Nunome¹, Harumi Torii², Rikyu Matsuki³, Hitoshi Suzuki¹
Univ. Hokkaido¹, Nara Univ. Education², CRIEPI³

- 10:00 24A-1 Individual Identification of *Mustela itatsi*
*Takeshi Sekiguchi¹, Hiroshi Sasaki², Yoshiko Kurihara¹, Fumiko Sekiguchi¹, Shigeki Watanabe³, Daigo Moriyama⁴, Naoko Kurose⁵, Rikyu Matsuki⁶, Midori Saeki⁷, Koji Yamazaki⁸
Kyushu University¹, Chikushi Jogakuen Univ, Jr. College², Seian Univ. of Art and Design³, Kokusai Kogyo Co., Ltd⁴, Fac. Sci, Kanagawa Univ.⁵, Central Research Institute of Electric Power Industry⁶, National Agriculture and Food Research Organization⁷, Ibaraki Nature Museum⁸
- 10:15 24A-2 Distribution and food habits of Japanese weasels *Mustela itatsi* at Gokayama in Seburi Mountains, Fukuoka
*Hiroshi Sasaki¹, Takeshi Sekiguchi², Shigeki Watanabe³, Yoshiko Kurihara², Fumiko Sekiguchi², Daigo Moriyama⁴, Naoko Kurose⁵, Rikyu Matsuki⁶, Midori Saeki⁷, Koji Yamazaki⁸
Chikushi Jogakuen Univ, Jr. College¹, Fac, Med., Kyushu Univ.², Seian Univ. of Art and Design, Seian Univ. of Art and Design³, Kokusai Kogyo Co., LTD⁴, Fac. Sci., Kanagawa Univ.⁵, CRIEPI ⁶, NARC⁷, Ibaraki Nature Museum⁸
- 10:30 24A-3 The Effects of the Fence on the Prevention of Activities by Introduced Mongoose (Class Mammalia)
*Yasuo Iijima¹, Norihiro Kawauchi², Katsuhiko Yamashita², Natsuki Kosaka², Mio Kobayasi², Satoru Morita²
Yachiyo Engineering Co., Ltd Kyusyu Branch office¹, Yachiyo Engineering Co., Ltd Okinawa office²
- 10:45 24A-4 Effects of high deer density on raccoon dog food resources in Oku-Nikko, Japan
*Yoshikazu Seki¹, Masaaki Koganezawa²
Tokyo Univ. Agri. Tech¹, Utsunomiya Univ. Forest.²
- 11:00 24A-5 Acoustic behavior of short-finned pilot whales off northern Okinawa Island
*Fumio Nakahara¹, Naoto Higashi², Haruna Okabe³, Hirotohi Emoto⁴, Senzo Uchida⁵
Tokiwa Univ¹, Ocean Expo. Commemorative Park Management Foundation², General Research Center, Ocean Expo. Commemorative Park Management Foundation³, System Intech⁴, Okinawa Churaumi Aquarium⁵
- 11:15 24A-6 Historical distribution changes of the 26 mammal species in Sumatra and its implication for conservation
*Rizaldi^{1,2}, S. N. Kamilah², A. Bakar², M. Mitani³, K. Watanabe¹
Primate Res., Inst., Kyoto Univ.¹, Dep. Biology, Fac. Sciences, Andalas Univ.², Hyogo Pref. Univ.³

- * P-1 Preliminary study on Anal Tonsil in Cetaceans
*Yuko Tajima, Manami Makara, Tadasu K. Yamada
National Museum of Nature and Science
- * P-2 Osteological comparison in spinal column between *Tursiops truncatus* and *T. aduncus*
*Nozomi Kurihara, Tadasu K. Yamada
Natl. Mus. Nat. Sci
- * P-3 The preliminary research of the ontogenetic difference between two subspecies of the West Indian manatee
*Osamu Hoson¹, Shin-ichiro Kawada², Tadasu K. Yamada², Sen-ichi Oda¹
Grad. Sch. Bio. Agr. Sci., Nagoya Univ.¹, Department of Zoology, National Museum of Nature and Science²
- * P-4 Hair ultrastructure of Hippotraginae utilizing stuffed specimens
*Manami Makara, Shinichiro Kawada, Tadasu K. Yamada
National Museum of Nature and Science
- * P-5 Geometric morphometric study of the skull of Japanese serows (*Capricornis crispus*) in Shizuoka prefecture
Hiroshi Fukunaga
Department of Zoology, Kyoto Univ
- * P-6 Morphometrical observation of the skull of Korean water deer, *Hydropotes inermis argyropus*
*Yungkun Kim¹, Ki-jeong Na², Young-jun Kim³, Hang Lee³, Junpei Kimura¹
Laboratory of Veterinary Anatomy, College of Veterinary Medicine, Seoul National Univ., Seoul, Korea¹,
College of Veterinary Medicine, Chungbuk National Univ., Cheongju, Korea², Conservation Genome Resource Bank for Korean Wildlife, College of Veterinary Medicine, Seoul National Univ., Seoul, Korea³
- * P-7 Eruption sequence and eruption times of the teeth in Patas monkey
Yu Okuda
Okayama Univ. Sci
- P-8 The Studies of Cheetah's Run
*Naomi Wada¹, Megumi Goto¹, Yusuke Ikebe², Azusa Satou², Satoshi Une³, Mutsumi Kawata³
The United Graduate School of Veterinary Science, Yamaguchi University¹, Akiyoshida Wild Animal Park², Osaka Veterinary Referral Center³
- P-9 Comparison of feeding ecology and skull morphology between two subspecies of the leopard cat, Iriomote cat *Prionailurus bengalensis* and Tsushima leopard cat *P. b. euphilura* in Japan
*Nozomi Nakanishi, Masako Izawa
Ryukyu Univ
- * P-10 Use of eye lens to estimate age in Small Indian mongoose
*Tomomi Kawano^{1,3}, Katushi Nakata², Koki Hirano¹, Go Ogura¹, Osamu Ishibashi¹
University of Ryukyus¹, Ministry of Environment², Kumamoto agriculture high school³

- * P-11 Cranial geographic variation of the Japanese weasel detected by allometric analysis
*Satoshi Suzuki¹, Masaharu Motokawa²
Dept. Zoology, Grad. Sch. Sci., Kyoto Univ.¹, Kyoto Univ. Museum²
- * P-12 Age Determination of Coypu and Age Structure of Its Population in Aichi Prefecture, Japan
*Keiko Sone¹, Kazuhiro Koyasu², Shuji Kobayashi³, Sen-ichi Oda¹
Grad. Sch. Bio. Agr. Sci., Nagoya Univ.¹, Sch. Dent., Aichi-Gakuin Univ.², Fac. Sci., Okayama Univ. Sci.³
- * P-13 Geographic variation of external and skull morphology of small Japanese field mouse, *Apodemus argenteus*
*Yuta Shintaku¹, Masaharu Motokawa²
Dep. Zool., Grad. Sch. Sci., Kyoto Univ.¹, Kyoto Univ. Museum²
- * P-14 Craniodental mechanics and orbit angles of two sympatric callosciurine squirrels in Vietnam
*Daisuke B. Koyabu¹, Akiko Hayashida², Hideki Endo²
Grad. Sci., Univ. Tokyo/JSPS¹, Univ. Museum, Univ. Tokyo²
- P-15 Foramen magnum angle and its effect on visual field in two *Apodemus* murids
*Kazuhiko Satoh, Yasutoku Kogaya, Kin-ya Kubo, Sadakazu Ejiri
Dept. Oral Anat., Asahi Univ. Sch. Dent
- P-16 A morphological comparison between *Apodemus semotus* in Taiwan and *A. draco* in China
Yukibumi Kaneko
502-4, Takayacho, Sakaide, Kagawa, 762-0017, Japan
- P-17 Kinematic studies of mole's locomotion
*Megumi Goto, Naomi Wada
The United Graduate School of Veterinary Science, Yamaguchi University
- * P-18 A relationship between variations of tail width and histological differences in the greater Japanese shrew-mole
*Koichiro Shirai, Masahiro A. Iwasa
Grad. Sch. Bioresour. Sci., Nihon Univ
- P-19 Macroscopic and three-dimensional CT image examinations of the mastication system in the giant anteater
*Hideki Endo¹, Shin-Ichiro Kawada², Teruyuki Komiya³, Hiroshi Koie⁴
Univ. Museum, Univ. Tokyo¹, Dept. Zool., Natl. Mus. Nat. Sci.², Ueno Zool. Gardens³, Dep. Vet. Int. Med, Nihon Univ.⁴
- P-20 Population genetic structure of Asian blackbear at local scale in Yamagata, northern Japan
*Reina Uno¹, Naoki Ohnishi², Hideo Higashi³, Hidetoshi B. Tamate⁴
Institute of Advanced Biosciences¹, Forestry and Forest Products Research Institute², Yamagata Wildlife Association³, Yamagata Univ.⁴
- P-21 Population genetics analysis of a Japanese black bear population in Shimokita Peninsula
*Toshiaki Yamamoto¹, Yuri Okumura¹, Hirohisa Tanaka¹, Nozomi Takatsudo¹, Teruki Oka²
Nippon Veterinary and Life Science University¹, Forestry and Forest Products Research Institute²

- * P-22 Monitoring of behavior and body temperature during hibernation in captive Asiatic black bear
Takuro Yoshimoto, *Michito Shimozuru, Toshio Tsubota
Hokkaido Univ
- * P-23 Ancient DNA Analysis for the Sea Otter from Archaeological Sites on Adak, Aleutian Islands
*Shin Nishida¹, Dixie West², Susan Crockford³, Hiroko Koike¹
Kyushu Univ.¹, University of Kansas², Pacific Identifications Inc.³
- * P-24 Phylogenetic history of mustelids in Taiwan inferred from mitochondrial DNA
*Tetsuji Hosoda¹, Jun Sato², Lian-Kong Lin³, Yen-Jean Chen⁴, Masashi Harada⁵, Masahiro Iwasa⁶,
Hitoshi Suzuki⁷
Taikyū H. S.¹, Fukuyama Univ. Biotech.², Tunghai Univ. Life Sci.³, Nat. Mus. Natl Sci.⁴, Osaka City
Univ. Med.⁵, Nihon Univ. Biores. Sci.⁶, Hokkaido Univ. Earth Env. Sci.⁷
- * P-25 Mitochondrial DNA analysis of Raccoons (*Ploceon lotor*) in Kyoto, and Fukui Prefectures
*Yuji Oikawa¹, Yuzo Takada², Kazuki Niwa¹
Toho Univ.¹, National Defense Medical College²
- * P-26 Seasonal change of plucked hair sample type of Asiatic black bear (*Ursus thibetanus*) and
reliability of genotyping
*Mami Kondo¹, Kiyoshi Yamauchi², Tsunenori Tsujimoto³, Hidetoshi Tamate⁴, Masaaki Yoneda⁵,
Makoto Asano¹, Masatsugu Suzuki¹
Gifu Univ.¹, Reseach Institute for Environment Sciences and Public Health of Iwate Prefecture², Morioka
Zoological Park³, Yamagata Univ.⁴, JWRC⁵
- * P-27 Microsatellite analysis on Eurasian badger populations
*Sara Tashima¹, Yayoi Kaneko², Alexei Abramov³, Ryuichi Masuda¹
Hokkaido Univ.¹, Tokyo Univ. of Agri. and Tech.², Zool. Inst. Russian Acad. of Sci.³
- * P-28 The phylogeographic evolution of the least weasel *Mustela nivalis*
*Naoko Kurose¹, Kirk Yu-Teh Lin²
Department of Biological Sciences, Faculty of Science, Kanagawa University¹, Institute of Ecology and
Evolutionary Biology, National Taiwan University²
- * P-29 Establishment of methods for polymorphic analysis using microsatellite markers in small Asian
mongoose and investigation of the genetic structure of its Okinawa Island population
*Shoko Tamanaha¹, Hironori Iwasaki², Go Ogura³, Osamu Ishibashi³, Hirosuke Oku²
Yamaguchi Univ.¹, University of the Ryukyus Tropical Biosphere Research Center, Center of Molecular
Bioscience², Laboratory of subtropical zoology, Faculty of Agriculture University of the Ryukyus³
- P-30 Possible introgression of porcine genes to wild boar in Tohoku
*Mitsue Kaizu¹, Hidetoshi Tamate²
Yamagata Univ.¹, Yamagata Univ.²
- * P-31 Phylogenetic evolution of Asiatic elephant based on mitochondrial genome
*Takahiro Yonezawa¹, Sri Sulandari², M. S. A. Zein², Masami Hasegawa¹
School of Life Sciences, Fudan University¹, Zoology, Research Center for Biology, LIPI²

- P-32 Distribution history and Genetic structure of Taiwanese macaques (*Macaca cyclopis*) in Izu-Oshima Island
*Mami Saeki¹, Yoshi Kawamoto², Sakie Kawamoto², Kei Shirai¹, Aki Kawamura¹
Wildlife Management Office Inc¹, Primate Research Institute, Kyoto Univ²
- P-33 Development of a screening method of Y chromosomal STR polymorphism by direct PCR from crude blood and its application to the monitoring of hybridization between Japanese and foreign macaques in Japan
*Yoshi Kawamoto, Azusa Saito, Sakie Kawamoto
Primate Research Institute, Kyoto Univ
- P-34 Differences in Distribution of Y-chromosome Haplotypes, among groups of hamadryas baboon
*Akihiro Yamane¹, Takayoshi Shotake², Akio Mori², Hideki Sugiura³, Ahmed Boug⁴, Toshitaka Iwamoto⁵
Kitakyushu Museum¹, PRI, Kyoto Univ.², WRC, Kyoto Univ.³, NWRC, Saudi Arabia⁴, Miyazaki Univ.⁵
- * P-35 Study on species identification of *Callosciurus* squirrels introduced into Japan: Is there *C. finlaysonii* in Shizuoka Prefecture?
*Takuya Kuramoto¹, Hitomi Ikeda¹, Harumi Torii², Tatsuo Oshida¹
Obihiro Univ. of Agriculture and Veterinary Medicine, Lab. of Wildlife Ecology¹, Center for Natural Environment Education, Nara Univ. of Education²
- * P-36 Relationship between aggregation of mouse sperm and their fertility
*Yuki Hosokawa¹, Akira Sawaguchi², Akio Shinohara¹, Chihiro Koshimoto¹
Frontier Science Research Center, Univ. Miyazaki¹, Dept. Anatomy, Fac. Medicine, Univ. Miyazaki²
- * P-37 The Effects of Thyroxine on HP Rhythm of Hibernator and Non-Hibernator in Chipmunks
*Masahiro Shigeno¹, Haruka Maruyama², Hiroko Ishiniwa¹, Noriaki Kondo³, Tsuneo Sekijima¹
Grad Sch of Sci and Tech, Niigata Univ.¹, Fac of Agr, Niigata Univ.², Tamagawa Univ.³
- * P-38 The large X and Y chromosomes in Okinawa spiny rat *Tokudaia muenninki*
*Chie Murata¹, Fumio Yamada², Norihiro Kawauchi³, Katsushi Nakata⁴, Shintaro Abe⁴, Yoichi Matsuda⁵, Asato Kuroiwa^{1,6}
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- P-140 Geographic variation in chromosomes of the sika deer *Cervus nippon*, in Japan with a note on the karyotype evokution
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- * P-141 Interspecific variation of hindlimb morphology between Japanese weasel and Siberian weasel and its evolutionary implication
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- * P-142 The assessment of the road use of the Iriomote cat (*Prionailurus bengalensis iriomotensis*) by the distribution of scats and prey animals on Iriomote-jima Island
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