24 September (Sat.) Hall 14:30-16:00

**Lecture for the Encouragement Prize for 2016 of the Mammal Society of Japan**

Studies on evolutionary morphology of the mammalian skull and teeth, focusing on the concept of variability 14:40-15:00
Dr. Masakazu Asahara
College of Liberal Arts and Sciences, Mie University

Social touch and synchrony in dolphins 15:00-15:20
Dr. Mai Sakai
Faculty of Agriculture, Kindai University

**Lecture for the Society Prize for 2015 of the Mammal Society of Japan**

Evolutionary history of the small mammals in the Japanese Islands 15:20-15:40
Dr. Hitoshi Suzuki
Graduate School of Environmental Science, Hokkaido University

**Lecture for the Society Prize for 2016 of the Mammal Society of Japan**

Toward science based wildlife management: Sika deer population irruptions and their management 15:40-16:00
Dr. Koichi Kaji (Tokyo University of Agriculture and Technology)
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<tr>
<td>Sep 23 (Fri)</td>
<td>15:30~18:30</td>
<td>Room 1D204</td>
<td>S-1</td>
<td>Understanding of species diversity of mammals in Asia</td>
<td>Masaharu Motokawa</td>
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<td>Sep 25 (Sun)</td>
<td>9:00~12:00</td>
<td>Room 1D201</td>
<td>S-2</td>
<td>DeerBase: The vision for the data sharing of GPS collar ~ Its benefits, challenges and actions to cooperation</td>
<td>Yasuyuki Tachiki, Ryota Araki, Takahiro Ooba, Takeharu Uno, Kentaro Seki, Shinichiro Hamasaki, Noriko Yokoyama, Hiroyuki Uno, Rika Akamatsu, Tsuyoshi Yoshida</td>
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<td>Sep 25 (Sun)</td>
<td>9:00~12:00</td>
<td>Room 1D204</td>
<td>S-3</td>
<td>The state of captured animals usage and disposal in Japan.</td>
<td>Shigeki Hirata, Yuuji Kodera, Masatsugu Suzuki</td>
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<tr>
<td>Sep 26 (Mon)</td>
<td>9:00~12:00</td>
<td>Auditorium</td>
<td>S-4</td>
<td>Appropriate objective for sika deer management and problems in practical situation</td>
<td>Hayato Iijima, Nobuhiko Akashi, Masaki Ando</td>
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<td>Sep 26 (Mon)</td>
<td>9:00~12:00</td>
<td>Hall</td>
<td>S-5</td>
<td>What should we do in order to settle problems related to wildlife? – Basic research for applying to the problems –</td>
<td>Hiroko Ishiniwa, Shinsuke H. Sakamoto</td>
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## Workshop

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<tr>
<td>Sep 23 (Fri)</td>
<td>15:00~17:00</td>
<td>1E102</td>
<td>Conservation and Welfare Challenges for Asiatic Black Bears: Continued Illegal Trafficking of Bears, Bear Parts and the Bear Bile Industry</td>
<td>Michito Shimozuru, Monica Bando</td>
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<td>How can we achieve and maintain a target density level of sika deer populations?</td>
<td>Hiroshi Takahashi, Yukiko Matsuura, Hiromasa Igota, Takashi Ikeda, Munemitsu Azumaya</td>
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<td>Thinking unit and criteria of local population for Japanese macaques protection and management</td>
<td>Katsuya Suzuki, Hiroto Enari, Takeharu Uno, Hironori Seino, Masaaki Takiguchi, Yoshiki Morimitsu, Naoto Yamabata</td>
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<td>Carnivore studies in urban areas</td>
<td>Masayuki U. Saito, Yayoi Kaneko</td>
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<td>A Challenge of Conservation Ecology to Secure the Black Bear Population in Shikoku</td>
<td>Toru Oi, Koji Yamazaki, Yachimori Syuji, Yamada Takaki, Manabu Onuma</td>
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<tr>
<td>Sep 23 (Fri)</td>
<td>17:00~19:00</td>
<td>1E203</td>
<td>F-06</td>
<td>Aiming for Renaissance of Serow Studies and of its Conservation</td>
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<tr>
<td>Sep 23 (Fri)</td>
<td>17:00~19:00</td>
<td>1E303</td>
<td>F-07</td>
<td>Behavioral studies on Japanese macaques by young primatologists</td>
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<td>in commemoration of Year of the Monkey</td>
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<td>Sep 23 (Fri)</td>
<td>17:00~19:00</td>
<td>1D201</td>
<td>F-08</td>
<td>Toward an estimate of food consumption by pinnipeds; Overview of data availability</td>
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<td>Sep 24 (Sat)</td>
<td>17:00~19:00</td>
<td>1E102</td>
<td>F-09</td>
<td>Theory and application of wildlife abundance estimation: especially focused on Bayesian methods</td>
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<td>Sep 24 (Sat)</td>
<td>17:00~19:00</td>
<td>1E203</td>
<td>F-10</td>
<td>Encouragement of description: from the view points of malformation and anomaly.</td>
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Fieldwork in Tropical Asia! ～Malayan Tapir, Porcupine, Civet and Orangutan～

〇HISASHI MATSUBAYASHI, Yoshihiro NAKASHIMA, Yuko TAWA, Aoi MATSUKAWA, Miyabi NAKABAYASHI, Tomoyuki TAJIMA

How we can balance “pregnancy and childcare” with “study and research”?  

〇Noko Kuze, Chinatsu Kozakai, Mugino Ozaki Kubo, Tai Kubo, Yukiko Shimooka, Seiki Takatuki, Wakana Shiino, Mai Sakai

Wild Mammal Management in Future  

〇Yasushi Yokohata, Hiroto Enari, Yuya Watari, Koichi Kaji

Various introduction of mammal research presented by youth researchers

〇Takashi Ikeda, Yuki Matsumoto, Kenta Uchida

Mammal feeding and its implications for other species

〇Yamato Tsuji, Atsushi Nakamoto
F-16
Sep 24 (Sat) 19:00～21:00 Room 1E303
Ecology of rodents—New approaches develop novel fields—
〇Shinsuke H. Sakamoto, Takuya Shimada, Takashi Saitoh

F-17
Sep 24 (Sat) 19:00～21:00 Room 1D201
The possibility of big data the large number of data "Monitoring sites 1000 SATOYAMASatochi" program—Achievements of national-wide citizen science program withWhat is found the sensor camera trap investigation by citizen volunteers—
〇Yuji Aoki, Takayuki Adachi, Motokazu Ando

F-18
Sep 24 (Sat) 19:00～21:00 Room 1D204
Pelvis!
〇Dai Fukui, Yuriko Igarashi, Yuko Tajima, Noko Kuze, Kent Mori, Shin-Ichiro Kawada
## Oral Session

**Sep 24 (Sat) 9:00～12:00 Auditorium**

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<tr>
<td>OA-01</td>
<td>9:00～9:15</td>
<td>Study about locomotion of the Japanese mole (<em>Mogera wogura</em>)</td>
<td>Taiki Matsuo, Naomi Wada</td>
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<td>OA-02</td>
<td>9:15～9:30</td>
<td>Bat fauna in the elevated railways of the Kyushu-Shinkansen, with special reference to the ecology of &quot;<em>Tadarida insignis</em>&quot;.</td>
<td>Kimitake Funakoshi, Akiyoshi Sato, Yushi Osawa, Keiko Osawa, Ayaka Saeki, Tathuya Osawa</td>
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<tr>
<td>OA-03</td>
<td>9:30～9:45</td>
<td>First genetic findings of copper-winged bat (<em>Myotis rufoniger</em>) using novel 10 microsatellites</td>
<td>Junghwa An, Mu Yeong Lee, Hye Sook Jeon, Sung Kyoung Choi, Sang Hoon Han</td>
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<tr>
<td>OA-04</td>
<td>9:45～10:00</td>
<td>Reports on monitoring studies of Japanese dormice (<em>Glirulus japonicus</em>) in Wakayama prefecture and assessment of a nest-box and camera trapping study for monitoring large and medium-sized wild mammals in forest</td>
<td>Fumihito Shibata, Tetuji Hosoda, Naoki Agetuma, Keita Suzuki</td>
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<tr>
<td>OA-05</td>
<td>10:00～10:15</td>
<td>Evaluation of goodnature’s A24 kill-trap for alien squirrels in Japan</td>
<td>Masatoshi Yasuda, Yuma Matsui</td>
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<td>OA-06</td>
<td>10:15～10:30</td>
<td>Estimation of days post-partum using placental scars in the vole, <em>Myodes rufocanus</em>.</td>
<td>Keisuke Nakata</td>
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<tr>
<td>OA-07</td>
<td>10:30～10:45</td>
<td>Dispersal determines the slope of Taylor’s law: Gompertz model analyses of Hokkaido vole populations</td>
<td>Takashi Saitoh</td>
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<tr>
<td>OA-08</td>
<td>10:45～11:00</td>
<td>Genetic diversity and Meta-barcoding diet analyses of the large Japanese field mice in the Seto Inland Sea</td>
<td>Jun J Sato, Daisuke Kyogoku, Taketo Komura, Yuki Shiraishi, Kohei Maeda, Chiaki Inamori, Daiki Miura, Yasunori Yamaguchi, Yuji Isagi</td>
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Breeding season in urban population of Norway rats in Yokohama estimated from age composition
○ Tatsuo Yabe, Tadao Otomo, Toshimitsu Harashima, Hiroshi Shigeoka, Kenjiro Yamaguchi

External Measurements of the Coypu Captured by the Box Trap at Masuda City, Shimane Prefecture, Southwest Japan
○ Yutaka Yoshida

Genetic characteristics and dispersal of nutria Myocastor coypus in Japan
○ Kouichi Kawamura, Satoko Kaieda, Rihoko Inoue, Mayumi Kato, Yasuhiro Kashitani, Sigemitsu Kawatou, Keiko Sone, Syuji Kobayashi

The actual reason of colonization by the feral nutria, Myocastor coypus in Japan.
○ Shuji Kobayashi, Kouichi Kawamura, Senichi Oda

Effects of tourism on the physiological stress levels and behavior in Amami rabbits
○ Mariko Suzuki, Shiho Fujita, Eiji Inoue, Keiko Ito

Discrimination of hybrid individuals by a multiplex SNP analysis: An application to hybrid monitoring of Japanese macaques in Chiba Prefecture
○ Yoshi Kawamoto, Sakie Kawamoto, Yasuhiro Go, Hironaga Kakoi

Examination of the conservation unit of endangered local population of Japanese macaques using genetic information
○ Yoshiki Morimitsu, Yumi Asada, Yohsi Kawamoto

Tracking of Japanese monkey migration by Real-time GPS collar.
○ Hiroyuki Sakaniwa, Masato Yazawa, Akiko Haruyama

Grooming reciprocity among wild male Japanese macaques
○ Tatsuro Kawazoe
Dietary profile of Trachypithecus auratus: does forest structure influence food habits of the lutungs?
〇Yamato Tsuji, Masazumi Mitani, Kanthi Arum Widayati, Bambang Suryobroto, Kunio Watanabe

Olfactory speciation in Eurasian badgers Meles spp.: Comparison between Japanese and European badgers
〇Yayoi Kaneko, Chris Newman, Evgeniy Raichev, Sonoko Kosuga, Masayuki U. Saito, Yosuke Kuramoto, David W. Macdonald, Stanislava Peeva, Christina Buesching

Interspecific den sharing of mammals in Japanese Badger Meles anakuma setts
〇Akira Kondo

Why the Eurasian otter, Lutra lutra, went extinct in Hokkaido?
〇Takahiro Murakami, Yasuto Furukawa

Age–related change in diet of the Tsushima leopard cat
〇Nozomi Nakanishi, Masako Izawa

Food habits of red fox (Vulpes vulpes japonica) and selective predation to on aspecific rodent at Watarase retarding basin in Tochigi Prefecture
〇Takuro Nakano, Yoshihiro Nakashima

Anthelmintic baiting of foxes against echinococcosis in Hokkaido, Japan
〇Kohji Uraguchi, Takao Irie, Hirokazu Kouguchi, Kinpei Yagi, Azusa Inamori, Michito Shimozuru, Toshio Tsubota

Can GPS–Argos collar be available for sika deer tracking in Japan?
〇Norikazu Eguchi, Akira Ishida, Satoru Kurita, Noboru Yamashita, Akira Takahashi, Hidefumi Yatomi

Sep 24 (Sat) 9:00～12:00 International Conference Room
Female age-specific reproductive rate in sika deer population on Miyajima island and influence of violative feeding.
○Yoh Ihara, Akiko Matsumoto, Kosei Yunoki, Atsushi Sato

OC-03 9:30~9:45
Philopatry in male sika deer on Miyajima island
○Akiko Matsumoto, Yoh Ihara, Kohsei Yunoki, Atsushi Satou

OC-04 9:45~10:00
Development of a small corral trap for capturing sika deer.
○Hiroyuki Uno, Yasuyuki Tachiki, Takunari Murai, Mitsuo Yoshida

OC-05 10:00~10:15
Unstable dynamics of a high-density sika deer population: effects of density and winter severity

OC-06 10:15~10:30
Monitoring the use of clearcut areas by Sika deer for culling.
○Hideo Okumura, Sakae Fujii, Kazuo Mori, Chizuru Yayota, Yoshinori Kaneshiro

OC-07 10:30~10:45
Comparison of aerial and ground counts for Yezo sika deer –A case study of Lake Furen wildlife protection area–
○Takunari Murai, Yasuyuki Tachiki, Hidetsugu Nakamura, Tomomi Kudo, Rika Akamatsu, Tsuyoshi Yoshida

OC-08 10:45~11:00
Is it possible to estimate animal density without individual recognition using camera trap?
○Yoshihiro Nakashima, Hiromitsu Samejima, Keita Fukasawa

OC-09 11:00~11:15
Evolution of gigantism in stem baleen whales (Cetacea: Mysticeti)
○Cheng-Hsiu Tsai, Naoki Kohno

OC-10 11:15~11:30
Anomalously white Risso’s dolphins *Grampus griseus* from Wakayama, Japan.
○Noriko Funasaka, Tetsuo Kirihata, Masayuki Hosono, Hidehiro Kato, Seiji Ohsumi

OC-11 11:30~11:45
Cetacean strandings in the Nansei Islands of southwest Japan.
○Haruna Okabe, Nozomi Kobayashi, Naoto Higashi, Koji Tokutake, Hirokazu Miyahara, Senzo Uchida
Monitoring of haul-out sites of Steller sea lions on Moneron Island: Using Time-Lapse Camera
○Kaoru Hattori, V.N. Burkanov, Takeomi Isono, Orio Yamamura

Sep 25 (Sun) 9:30～11:00 Auditorium

OA-13 9:30～9:45
Morphological study of the meniscus of mammals
○Yuki Hattori, Ran Sato, Naomi Wada, Megumi Haiya

OA-14 9:45～10:00
Morphological and molecular phylogenetic analysis of Ryukyu wild boar
○Keiko Takeuchi, Syuichi Hamada, Tomomi Aratani, Maho Itou, Kishin Ysuda, Satoru Niwata, Takeshi Shimogiri, Hiroshi Yasue, Masahide Nshibori, Yaetsu Kurosawa

OA-15 10:00～10:15
Relationships between age and baculum and estimating breeding seasons from temporal changes in testes morphology of the Siberian Weasel (Mustela sibirica)
○Kouhei Hayashi, Tatsuya Noro, Teruaki Hino

OA-16 10:15～10:30
Phylogenetic status of the Japanese otter based on mitochondrial genome sequence
○Daisuke Waku, Takahiro Segawa, Takahiro Yonezawa, Ayumi Akiyoshi, Taichiro Ishige, Miya Ueda, Hiroshi Ogawa, Hiroshi Sasaki, Motokazu Ando, Naoki Kohno, Takeshi Sasaki

OA-17 10:30～10:45
Phylogeography of the raccoon dog (Nyctereutes procyonoides) in Japan, based on mitochondrial DNA control region sequences
○Wataru Saito, Yayoi Kaneko, Ryuichi Masuda

OA-18 10:45～11:00
Detection of Nutria, an invasive semi-aquatic mammal, by environmental DNA analysis
○Hiromu Motozawa, Hiroki Yamanaka
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<td>OB-13</td>
<td>9:30~9:45</td>
<td>Influence of social relationship on distributional pattern of male sperm whale on feeding ground</td>
<td>Hayao Kobayashi, Masao Amano</td>
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<td>OB-14</td>
<td>9:45~10:00</td>
<td>The birthing rate and the birthing interval of humpback whales in Okinawan waters</td>
<td>Nozomi Kobayashi, Haruna Okabe, Isao Kawazu, Naoto Higashi, Hirokazu Miyahara, Hidehiro Kato, Senzo Uchida</td>
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<td>OB-15</td>
<td>10:00~10:15</td>
<td>Do urban squirrels change flight initiation distance depending on the different risk levels?</td>
<td>Kenta Uchida, Tatsuki Shimamoto, Hisashi Yanagawa, Itsuro Koizumi</td>
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<td>OB-16</td>
<td>10:15~10:30</td>
<td>Study of behavioral and effective application rate of sika deer (Cervus nippon) to capsaicin repellent</td>
<td>Yuichiro Shiiba, Ken-Ichi Takeda</td>
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<td>OB-17</td>
<td>10:30~10:45</td>
<td>Elucidation of migration and dispersion of Hokkaido brown bear (Ursus arctos yesoensis) in Shiretoko-Peninsula, eastern Hokkaido, Japan</td>
<td>Yuri Shirane, Masami Yamanaka, Masanao Nakanishi, Tsuyoshi Ishinazaka, Takane Nose, Shinsuke Kasai, Masataka Shiroyanagi, Yasushi Masuda, Hihumi Tsuruga, Tsutomu Mano, Yasushi Fujimoto, Masahiro Osada, Mariko Sashika, Toshio Tsubota, Michito Shimozuru</td>
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<tr>
<td>OB-18</td>
<td>10:45~11:00</td>
<td>The Use of earthworms by the Japanese badger in cattle farm</td>
<td>Kouji Hijikata, Hideharu Tsukada, Masato Minami</td>
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<td>OC-13</td>
<td>9:30~9:45</td>
<td>Approaches to the Development of Oral Contraceptive Vaccines for Raccoons (Procyon lotor)</td>
<td>Naoto Mori, Makoto Asano, Naotoshi Kuninaga, Masatsugu Suzuki</td>
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<tr>
<td>OC-14</td>
<td>9:45~10:00</td>
<td>Development of Immunocontraceptive Vaccine for Population Control of Mongoose (4)</td>
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OC-15 10:00～10:15
The use of Bayesian state-space model and density-dependent body measurements: towards defining appropriate deer management unit at a landscape scale
Naotoshi Kuninaga, Makoto Asano, Naoto Mori, Masatsugu Suzuki

OC-16 10:15～10:30
The utilization of pasture grasses and dwarf bamboo by sika deer at Kouzu Dairy Farm in Gunma Prefecture
Kazutaka Takeshita, Koichi Kaji

OC-17 10:30～10:45
The appearance factor of crop-raiding Japanese macaques in a farming community practicing multiple damage controls
Akane Washida, Hideharu Tsukada, Masato Minami, Seiki Takatsuki, Tetsuo Suyama

OC-18 10:45～11:00
An experimental study on orchard vole population management by native owls: preliminary result during nesting season
Chie Murano, Nobuyuki Azuma

Sep 26 (Mon) 9:00～11:45 International Conference Room

OC-19 9:00～9:15
Natural deaths and cannibalization of Asian black bears
Hiroo Tamatani, Toshiaki Yamamoto, Masaru Koyama

OC-20 9:15～9:30
Evaluation of ant usage by Asiatic black bear along the forest road using the interval camera
Yusuke Goto, Kenta Sawada

OC-21 9:30～9:45
Conversion of population management policy of Japanese black bear in Hyogo prefecture
Mayumi Yokoyama, Shun Takagi

OC-22 9:45～10:00
Camera trap research in the western Chugoku Mountains black bear population
Hiroyuki Tado

OC-23 10:00～10:15
Brown bear research with application of DNA profiling in Sapporo city
Koichi Waseda, Hifumi Tsuruga, Mariko Ibe, Yoshikazu Sato, Tsutomu Mano
OC-24  10:15~10:30  
Brown bear invasion into human settlements or crop fields: understanding its cause in terms of ideal despotic distribution
〇Yoshikazu Sato, Shunsuke Fukami, Mayura B Takada

OC-25  10:30~10:45  
Effects of spatial scale on the harvest based estimation of brown bear population dynamics in Hokkaido
〇Tsutomu Mano, Hiroyuki Matsuda, Hiêmi Tsuruga, Mami Kondo, Shosuke Natsume

OC-26  10:45~11:00  
Methods for the analysis of radiation exposure impact on wildlife
〇Kaori Murase, Sakie Kido, Toshiyuki Sato, Kei Okuda, Ayami Shiga, Hiroshi Takase, Kentaro Mizuno, Yutaro Hayashi, Takahiro Yasui, Takashi Ueda, Koichi Kaji

OC-27  11:00~11:15  
Mammalogy in anthropology for research on human evolution
〇David Sprague

OC-28  11:15~11:30  
Current Status and Issues of 3DCG creation with Photogrammetry
〇Kent Mori

OC-29  11:30~11:45  
Historical review of the introduction of the small Indian mongoose into Okinawa by Shyozaburo Watase
〇Yukibumi Kaneko

OC-30  11:45~12:00  
Rokuro Nagasawa and mammalogy
〇Shin-Ichiro Kawada, Hayatoshi Hirata, Sayaka Shimoinaba
Poster Session

Core Time:  
Sep 24 (Sat)  16:00～17:00 (Odd-Number)  
Sep 25 (Sun)  11:00～12:00 (Even-Number)  

Special Conference Room

P-001  Relationships between position of cotylar fossa on the astragalus and its function in the ankle joint  
〇Naoko Egi

P-002  Immunohistochemical studies on the functional regulation and cytoskeleton of testes in eastern grey kangaroo  
〇Kahori Nishihara, Motoki Sasaki, Keisuke Kawase, Daisuke Kondoh, Nobuo Kitamura

P-003  Habita use of Japanese monkey in Nakatosa Town, Kochi Prefecture  
〇Kana Terayama, Yoshinori Kaneshiro, Motomi Genkai-Kato

P-004  What mammal species made fruits of kousa dogwood (*Cornus kousa*) multiple?  
〇Akito Toge

P-005  Habitat use by crop-raiding Japanese macaques at the raiding rate  
〇Akiyo Nakagawa, Shota Mochizuki, Takuhiko Murakami

P-006  Phylogeography of Amami rabbit from Amami Island and Tokunoshima Island  
〇Kyoko Suda, Gota Kinoshita, Shinitiro Fukumoto, Hitoshi Suzuki

P-007  Distribution and seasonal activity of the Japanese dormouse *Glirulus japonicus* in northwestern Kyushu  
〇Hiroya Yoshioka, Kasumi Akashi, Motoaki Kinoshita, Kazunori Soejima, Masatoshi Yasuda, Makoto Tokuda

P-008  Effects of understory diversity in a larch plantation on the probabilities of Japanese dormouse occurrence: field experiments  
〇Hiroki Hagata, Masahiro Fujioka, Kanoko Tawara, Masashi Yamada

P-009  Survey of Japanese dormouse *Glirulus japonicus* in Southern Boso natural forest  
〇Kana Sakamoto, Chihiro Kase, Toshiyuki Shibahara

P-010  Suitable microhabitat use in the hibernating Japanese dormouse  
〇Manami Iwabuchi, Haruka Aiba, Chise Minato, Shusaku Minato

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