

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)

Symposium

Sep 23 (Fri) 15:30~18:30 Room 1D204

S-1

Understanding of species diversity of mammals in Asia

Masaharu Motokawa

Sep 25 (Sun) 9:00~12:00 Room 1D201

S-2

DeerBase: The vision for the data sharing of GPS collar ~Its benefits, challenges and actions to cooperation

Yasuyuki Tachiki, Ryota Araki, Takahiro Ooba, Takeharu Uno, Kentaro Seki, Shinichiro Hamasaki, Noriko Yokoyama, Hiroyuki Uno, Rika Akamatsu, Tsuyoshi Yoshida

Sep 25 (Sun) 9:00~12:00 Room 1D204

S-3

The state of captured animals usage and disposal in Japan.

Shigeki hirata, Yuuji Koderu, Masatsugu Suzuki

Sep 26 (Mon) 9:00~12:00 Auditorium

S-4

Appropriate objective for sika deer management and problems in practical situation

Hayato Iijima, Nobuhiro Akashi, Masaki Ando

Sep 26 (Mon) 9:00~12:00 Hall

S-5

What should we do in order to settle problems related to wildlife? – Basic research for applying to the problems –

Hiroko Ishiniwa, Shinsuke H. Sakamoto

Workshop

Sep 23 (Fri) 15:00~17:00 Room 1E102

F-01

Conservation and Welfare Challenges for Asiatic Black Bears: Continued Illegal Trafficking of Bears, Bear Parts and the Bear Bile Industry

○Michito Shimozuru, Monica Bando

Sep 23 (Fri) 15:00~17:00 Room 1E203

F-02

How can we achieve and maintain a target density level of sika deer populations?

○Hiroshi Takahashi, Yukiko Matsuura, Hiromasa Igota, Takashi Ikeda, Munemitsu Azumaya

Sep 23 (Fri) 15:00~17:00 Room 1E303

F-03

Thinking unit and criteria of local population for Japanese macaques protection and management

○Katsuya Suzuki, Hiroto Enari, Takeharu Uno, Hironori Seino, Masaaki Takiguchi, Yoshiaki Morimitsu, Naoto Yamabata

Sep 23 (Fri) 15:00~17:00 Room 1D201

F-04

Carnivore studies in urban areas

○Masayuki U. Saito, Yayoi Kaneko

Sep 23 (Fri) 17:00~19:00 Room 1E102

F-05

A Challenge of Conservation Ecology to Secure the Black Bear Population in Shikoku

○Toru Oi, Koji Yamazaki, Yachimori Syuji, Yamada Takaki, Manabu Onuma

Sep 23 (Fri) 17:00~19:00 Room 1E203

F-06

Aiming for Renaissance of Serow Studies and of its Conservation

○Kunihiko Tokida, Takahiro Miura, Hideo Okumura, Ryosuke Kishimoto, Shingo Miura, Shinsuke Koike

Sep 23 (Fri) 17:00~19:00 Room 1E303

F-07

Behavioral studies on Japanese macaques by young primatologists in commemoration of Year of the Monkey

Tatsuro Kawazoe, Akiko Sawada, Masataka Ueno, Noriko Katsu, ○Naofumi Nakagawa

Sep 23 (Fri) 17:00~19:00 Room 1D201

F-08

Toward an estimate of food consumption by pinnipeds; Overview of data availability

○Kaoru Hattori, Yoko Goto, Tsutomu Tamura, Mari Kobayashi, Takahito Masubuchi, Takayuki Haneda, Yu Kanaji, Hiroshi Ohizumi

Sep 24 (Sat) 17:00~19:00 Room 1E102

F-09

Theory and application of wildlife abundance estimation: especially focused on Bayesian methods

○Hayato Iijima, Keita Fukasawa, Shun Takagi

Sep 24 (Sat) 17:00~19:00 Room 1E203

F-10

Encouragement of description: from the view points of malformation and anomaly.

○Megu Gunji, Nozomi Kurihara, Taiki Matsuo

Sep 24 (Sat) 17:00~19:00 Room 1E303

F-11

Fieldwork in Tropical Asia! ~Malayan Tapir, Porcupine, Civet and Orangutan~
○HISASHI MATSUBAYASHI, Yoshihiro NAKASHIMA, Yuko TAWA, Aoi
MATSUKAWA, Miyabi NAKABAYASHI, Tomoyuki TAJIMA

Sep 24 (Sat) 17:00~19:00 Room 1D201

F-12

How we can balance “pregnancy and childcare” with “study and research”?
○Noko Kuze, Chinatsu Kozakai, Mugino Ozaki Kubo, Tai Kubo, Yukiko Shimooka, Seiki
Takatuki, Wakana Shiino, Mai Sakai

Sep 24 (Sat) 17:00~19:00 Room 1D204

F-13

Wild Mammal Management in Future
○Yasushi Yokohata, Hiroto Enari, Yuya Watari, Koichi Kaji

Sep 24 (Sat) 19:00~21:00 Room 1E102

F-14

Various introduction of mammal research presented by youth researchers
○Takashi Ikeda, Yuki Matsumoto, Kenta Uchida

Sep 24 (Sat) 19:00~21:00 Room 1E203

F-15

Mammal feeding and its implications for other species
○Yamato Tsuji, Atsushi Nakamoto

Sep 24 (Sat) 19:00~21:00 Room 1E303

F-16

Ecology of rodents–New approaches develop novel fields–

○Shinsuke H. Sakamoto, Takuya Shimada, Takashi Saitoh

Sep 24 (Sat) 19:00~21:00 Room 1D201

F-17

The possibility of big data the large number of data “Monitoring sites 1000

SATOYAMA Satochi” program –Achievements of national-wide citizen science program

with What is found the sensor camera trap investigation by citizen volunteers–

○Yuji Aoki, Takayuki Adachi, Motokazu Ando

Sep 24 (Sat) 19:00~21:00 Room 1D204

F-18

Pelvis!

○Dai Fukui, Yuriko Igarashi, Yuko Tajima, Noko Kuze, Kent Mori, Shin-Ichiro Kawada

Oral Session

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

OA-01 9:00~9:15

Study about locomotion of the Japanese mole (*Mogera wogura*)

○Taiki Matsuo, Naomi Wada

OA-02 9:15~9:30

Bat fauna in the elevated railways of the Kyushu-Shinkansen, with special reference to the ecology of "*Tadarida insignis*" .

○Kimitake Funakoshi, Akiyoshi Sato, Yushi Osawa, Keiko Osawa, Ayaka Saeki, Tathuya Osawa

OA-03 9:30~9:45

First genetic findings of copper-winged bat (*Myotis rufoniger*) using novel 10 microsatellites

○Junghwa An, Mu Yeong Lee, Hye Sook Jeon, Sung Kyoung Choi, Sang Hoon Han

OA-04 9:45~10:00

Reports on monitoring studies of Japanese dormice (*Glirulus japonicus*) in Wakayama prefecture and assessment of a nest-box and camera trapping study for monitoring large and medium-sized wild mammals in forest

○Fumihito Shibata, Tetuji Hosoda, Naoki Agetuma, Keita Suzuki

OA-05 10:00~10:15

Evaluation of goodnature's A24 kill-trap for alien squirrels in Japan

○Masatoshi Yasuda, Yuma Matsui

OA-06 10:15~10:30

Estimation of days post-partum using placental scars in the vole, *Myodes rufocanus*.

○Keisuke Nakata

OA-07 10:30~10:45

Dispersal determines the slope of Taylor's law: Gompertz model analyses of Hokkaido vole populations

○Takashi Saitoh

OA-08 10:45~11:00

Genetic diversity and Meta-barcoding diet analyses of the large Japanese field mice in the Seto Inland Sea

○Jun J Sato, Daisuke Kyogoku, Taketo Komura, Yuki Shiraishi, Kohei Maeda, Chiaki Inamori, Daiki Miura, Yasunori Yamaguchi, Yuji Isagi

OA-09 11:00~11:15

Breeding season in urban population of Norway rats in Yokohama estimated from age composition

○Tatsuo Yabe, Tadao Otomo, Toshimitsu Harashima, Hiroshi Shigeoka, Kenjiro Yamaguchi

OA-10 11:15~11:30

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

○Yutaka Yoshida

OA-11 11:30~11:45

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

OA-12 11:45~12:00

The actual reason of colonization by the feral nutria, *Myocastor coypus* in Japan.

○Shuji Kobayashi, Kouichi Kawamura, Senichi Oda

Sep 24 (Sat) 9:00~12:00 Hall

OB-01 9:00~9:15

Effects of tourism on the physiological stress levels and behavior in Amami rabbits

○Mariko Suzuki, Shiho Fujita, Eiji Inoue, Keiko Ito

OB-02 9:15~9:30

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

OB-03 9:30~9:45

Examination of the conservation unit of endangered local population of Japanese macaques using genetic information

○Yoshiki Morimitsu, Yumi Asada, Yohsi Kawamoto

OB-04 9:45~10:00

Tracking of Japanese monkey migration by Real-time GPS collar.

○Hiroyuki Sakaniwa, Masato Yazawa, Akiko Haruyama

OB-05 10:00~10:15

Grooming reciprocity among wild male Japanese macaques

○Tatsuro Kawazoe

- OB-06 10:15~10:30
Dietary profile of *Trachypithecus auratus*: does forest structure influence food habits of the lutungs?
○Yamato Tsuji, Masazumi Mitani, Kanthi Arum Widayati, Bambang Suryobroto, Kunio Watanabe
- OB-07 10:30~10:45
Olfactory speciation in Eurasian badgers *Meles spp.*: Comparison between Japanese and European badgers
○Yayoi Kaneko, Chris Newman, Evgeniy Raichev, Sonoko Kosuga, Masayuki U. Saito, Yosuke Kuramoto, David W. Macdonald, Stanislava Peeva, Christina Buesching
- OB-08 10:45~11:00
Interspecific den sharing of mammals in Japanese Badger *Meles anakuma setts*
○Akira Kondo
- OB-09 11:00~11:15
Why the Eurasian otter, *Lutra lutra*, went extinct in Hokkaido?
○Takahiro Murakami, Yasuto Furukawa
- OB-10 11:15~11:30
Age-related change in diet of the Tsushima leopard cat
○Nozomi Nakanishi, Masako Izawa
- OB-11 11:30~11:45
Food habits of red fox (*Vulpes vulpes japonica*) and selective predation to on aspecific rodent at Watarase retarding basin in Tochigi Prefecture
○Takuro Nakano, Yoshihiro Nakashima
- OB-12 11:45~12:00
Anthelmintic baiting of foxes against echinococcosis in Hokkaido, Japan
○Kohji Uraguchi, Takao Irie, Hirokazu Kouguchi, Kinpei Yagi, Azusa Inamori, Michito Shimozuru, Toshio Tsubota

Sep 24 (Sat) 9:00~12:00 International Conference Room

- OC-01 9:00~9:15
Can GPS-Argos collar be available for sika deer tracking in Japan?
○Norikazu Eguchi, Akira Ishida, Satoru Kurita, Noboru Yamashita, Akira Takahashi, Hidefumi Yatomi
- OC-02 9:15~9:30

- 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
○Mayumi Ueno, Hayato Iijima, Kazutaka Takeshita, Hiroshi Takahashi, Tsuyoshi Yoshida, Hiroyo Uehara, Hiromasa Igota, Yukiko Matsuura, Takashi Ikeda, Munemitsu Azumaya, Koichi Kaji
- 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

OC-12 11:45~12:00

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

Sep 25 (Sun) 9:30~11:00 Hall

OB-13 9:30~9:45

Influence of social relationship on distributional pattern of male sperm whale on feeding ground

○Hayao Kobayashi, Masao Amano

OB-14 9:45~10:00

The birthing rate and the birthing interval of humpback whales in Okinawan waters

○Nozomi Kobayashi, Haruna Okabe, Isao Kawazu, Naoto Higashi, Hirokazu Miyahara, Hidehiro Kato, Senzo Uchida

OB-15 10:00~10:15

Do urban squirrels change flight initiation distance depending on the different risk levels?

○Kenta Uchida, Tatsuki Shimamoto, Hisashi Yanagawa, Itsuro Koizumi

OB-16 10:15~10:30

Study of behavioral and effective application rate of sika deer (*Cervus nippon*) to capsaicin repellent

○Yuichiroh Shiiba, Ken-Ichi Takeda

OB-17 10:30~10:45

Elucidation of migration and dispersion of Hokkaido brown bear (*Ursus arctos yesoensis*) in Shiretoko-Peninsula, eastern Hokkaido, Japan

○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

OB-18 10:45~11:00

The Use of earthworms by the Japanese badger in cattle farm

○Kouji Hijikata, Hideharu Tsukada, Masato Minami

Sep 25 (Sun) 9:30~11:00 International Conference Room

OC-13 9:30~9:45

Approaches to the Development of Oral Contraceptive Vaccines for Raccoons(*Procyon lotor*)

○Naoto Mori, Makoto Asano, Naotoshi Kuninaga, Masatsugu Suzuki

OC-14 9:45~10:00

Development of Immunocontraceptive Vaccine for Population Control of Mongoose (4)

○Naotoshi Kuninaga, Makoto Asano, Naoto Mori, Masatsugu Suzuki

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

○Kazutaka Takeshita, Koichi Kaji

OC-16 10:15~10:30

The utilization of pasture grasses and dwarf bamboo by sika deer at Kouzu Dairy Farm in
Gunma Prefecture

○Akane Washida, Hideharu Tsukada, Masato Minami, Seiki Takatsuki, Tetsuo Suyama

OC-17 10:30~10:45

The appearance factor of crop-raiding Japanese macaques in a farming community
practicing multiple damage controls

○Yosuke Ueda, Mieko Kiyono, Takanori Nagano, Shota Mochizuki, Takuhiko Murakami

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
○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
○Tutomu Mano, Hiroyuki Matsuda, Hifumi Tsuruga, Mami Kondo, Shosuke Natsume
- OC-26 10:45~11:00**
Methods for the analysis of radiation exposure impact on wildlife
○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
○David Sprague
- OC-28 11:15~11:30**
Current Status and Issues of 3DCG creation with Photogrammetry
○Kent Mori
- OC-29 11:30~11:45**
Historical review of the introduction of the small Indian mongoose into Okinawa by Shyozaburo Watase
○Yukibumi Kaneko
- OC-30 11:45~12:00**
Rokuro Nagasawa and mammalogy
○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
 ○Naoko Egi
- P-002 Immunohistochemical studies on the functional regulation and cytoskeleton of testes in eastern grey kangaroo
 ○Kahori Nishihara, Motoki Sasaki, Keisuke Kawase, Daisuke Kondoh, Nobuo Kitamura
- P-003 Habita use of Japanese monkey in Nakatosa Town, Kochi Prefecture
 ○Kana Terayama, Yoshinori Kaneshiro, Motomi Genkai-Kato
- P-004 What mammal species made fruits of kousa dogwood (*Cornus kousa*) multiple?
 ○Akito Toge
- P-005 Habitat use by crop-raiding Japanese macaques at the raiding rate
 ○Akiyo Nakagawa, Shota Mochizuki, Takuhiko Murakami
- P-006 Phylogeography of Amami rabbit from Amami Island and Tokunoshima Island
 ○Kyoko Suda, Gota Kinoshita, Shinitiro Fukumoto, Hitoshi Suzuki
- P-007 Distribution and seasonal activity of the Japanese dormouse *Glirulus japonicus* in northwestern Kyushu
 ○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
 ○Hiroki Hagata, Masahiro Fujioka, Kanoko Tawara, Masashi Yamada
- P-009 Survey of Japanese dormouse *Glirulus japonicus* in Southern Boso natural forest
 ○Kana Sakamoto, Chihiro Kase, Toshiyuki Shibahara
- P-010 Suitable microhabitat use in the hibernating Japanese dormouse
 ○Manami Iwabuchi, Haruka Aiba, Chise Minato, Shusaku Minato
- P-011 Do *Pteromys volans orii* change their litter size between different breeding seasons? Conclusive results of a 10-year long-term observation in mountainous natural forest in Hokkaido, Japan
 ○Reina Hashimoto, Asuka Hayashi, Yuka Takeichi, Tatsuo Oshida

- P-012** Analysis of environmental factors to determine use of nest boxes by the Siberian flying squirrel in mountainous natural forest in Hokkaido, Japan
 ○Haruki Suzuki, Yuki Yoshimura, Tatsuo Oshida
- P-013** Nest boxes for wild animals in Nopporo Shinrin Kouen Prefectural Natural Park, Hokkaido, Japan—Possibility of inhibition of Siberian flying squirrels
 ○Yuushin Asari, Mitsuyoshi Kato, Yuuji Yamaguchi, Yuuichi Ishida
- P-014** How do the pups of giant flying squirrel acquire a gliding ability?
 ○Mayumi Shigeta, Yusuke Shigeta, Noriko Tamura
- P-015** Do the giant flying squirrels select leaves in response to its components?
 ○Mutsumi Ito, Noriko Tamura, Fumio Hayashi
- P-016** Resource utilization of two *Callosciurus* squirrels during dry season in seasonal tropical forest in Thailand
 ○Shun Kobayashi, Taksin Artchawakom, Jumlong Placksanoi, Chittima Aryuthaka, Tetsuo Denda, Masako Izawa
- P-017** Are urban squirrels stressed?: comparison of stress hormone between the red squirrels living in urban and rural site
 ○Tatsuki Shimamoto, Kenta Uchida, Iori Tanio, Mitsuru Watanabe, Motozumi Matsui, Hisashi Yanagawa
- P-018** Dose the Jarman–Bell principle apply to arboreal squirrels?: Comparative anatomical analyses between large folivores and small granivores show the correlation between alimentary tract length and body weight
 ○Wakana Mitsuzuka, Tatsuo Oshida
- P-019** Inventorying elusive small arboreal rodents by camera trapping
 ○Kei K Suzuki, Motokazu Ando
- P-020** Free-ranging rodents obtained from Tsunami affected areas in Ishinomaki, Miyagi Prefecture, Japan
 ○Mitsuhiko Asakawa
- P-021** Comparison with skulls of *Apodemus speciosus* and *Apodemus argenteus* in Shizuoka Prefecture and Aichi Prefecture
 ○Kosuke Yamamoto, Akio Sasaki
- P-022** Comparison the gut microbiota between *Apodemus speciosus* and *A. argenteus*
 ○Akio Shinohara, Kento Inadome, Takeshi Eto, Goro A Kato, Yoshinobu Okubo, Shinsuke H Sakamoto, Chihiro Koshimoto
- P-023** Genetic diversity of *Apodemus speciosus* in different fragmentation size of suburban forest.
 ○Yuuki Koumi

- P-024** Estimation of sample number of necessary feces samples to identify plant food resource of *Apodemus speciosus* using DNA barcoding
○Taichi Fujii, Hirokazu Kawamoto, Tomoyasu Shirako, Motoyasu Minami
- P-025** Environmental factors to determine use of nest boxes by small Japanese field mouse in mountainous natural forest in Hokkaido, Japan
○Sakura Jyokaji, Yuki Yoshimura, Daisuke Sato, Tatsuo Oshida
- P-026** Preliminary study on food caching behaviors of arboreal rodents using nest boxes in the mountainous natural forest in Hokkaido, Japan.
○Taishi Tosa
- P-027** Behavior observation in biological exhibition from point of views of a researcher and visitors.
○Kumiko Sawabe
- P-028** Sequence variation of the *Asip* and *Mc1r* genes in *Rattus exulans* from Myanmar with different coat colours
○Motoko Kobayashi, San Maung Maung, Thida Lay Thwe, Ken Katakura, Hitoshi Suzuki
- P-029** Identification of genetic loci associated with tame behavior using selective breeding and association mapping in mice
○Yuki Matsumoto, Jo Nishino, Hirofumi Nakaoka, Tatsuhiko Goto, Tsuyoshi Koide
- P-030** Difference of genetic and phenotypic properties between two farm areas of Hokkaido in the house mice
○Hikari Myoshu, Masahiro A. Iwasa
- P-031** Evaluation for the alleles at the agouti locus in the Japanese house mice
○Sayaka Kawamura, Masahiro A. Iwasa
- P-032** Variation in the coat-color-controlling genes, *Mc1r* and *Asip* in the house mouse *Mus musculus*
○Yuki Sakuma, Gohta Kinoshita, Hiroyuki Shimoji, Hitoshi Suzuki, Kimiyuki Tsuchiya, Chihiro Tanaka, Hajaririna Ramin, Marie C Ranoroosa
- P-033** Habitats of nutria and its agricultural damage in Shimane prefecture
○Hiroki Kanamori, Seigo Sawada, Masahiro Komiya
- P-034** Geographical variation in cranial measurements of *Myocastor coypus* in Okayama
○Ayaka Yamamoto, Koichi Kawamura, Shuji Kobayashi
- P-035** The habituation test of the learning ability in captive nutria, *Myocastor coypus*, for the investigation of the auditory characteristics.
○Hiroki Konno, Kaori Saitou, Yasuyuki Murayama, Hiroki Kouda, Kouichi Kawamura, Syuji Kobayashi

- P-036** Comparative study on evolutionary dynamics based on mitochondrial DNA sequences in small mammals of the Japanese Islands
 ○Asuka Honda, Shota Murakami, Azusa Nakamoto, Masashi Harada, Kimiyuki Tsuchiya, Hitoshi Suzuki
- P-037** Challenge to construct the database of complete skeleton — Soricomorpha & Erinaceomorpha in Shizuoka Prefecture —
 ○Akio Sasaki, Takashi Miyake, Ayumi Takada, Tatsuko Takayama
- P-038** Comparison of vertebrae in shape between terrestrial and semi-fossorial *Sorex* species: Does the adaptation to subterranean environments affect morphology of vertebrae?
 ○Asumi Suzuki, Shin-Ichiro Kawada, Tatsuo Oshida
- P-039** The morphological and genetic variation of Japanese white-toothed shrew, *Crocidura dsinezumi* on the Tobishima island, Sakata-shi, Yamagata
 ○Nobuaki Kojo, Yumena K. Nakamura, Ryo O. Gotoh, Tamate B. Hidetoshi
- P-040** Prey composition of Japanese water shrew in the tributaries of the Iwaki river system, Aomori prefecture.
 ○Nao Shiozuka, Touko Kanzaki, Ryouta Kikuchi, Nozomu Sato, Rumiko Nakashita, Nobuyuki Azuma
- P-041** The genetic population structure of the western Japanese mole (*Mogera wogura*) inferred from mitochondrial and nuclear gene sequences
 ○Azusa Nakamoto, Masashi Harada, Akio Shinohara, Kimiyuki Tsuchiya, Hitoshi Suzuki
- P-042** Home range and food habit of Bonin flying foxes from summer to winter season.
 ○Hajime Suzuki, Kazuo Horikoshi, Harumi Horikoshi, Naoko Suzuki
- P-043** Reconsideration of the distribution of the Ryukyu Flying Fox—What's going on in the peripheral zone of the distribution?
 ○Atsushi Nakamoto
- P-044** Result of Chiroptera survey on Tengu Heights of Shikoku area
 ○Shuji Yachimori
- P-045** Roosting ecology of five species cave dwelling bats at Hayakawa town, Central Japan.
 ○Hayato Takada, Nobumasa Oonishi, Miki Toda, Masato Minami
- P-046** Four species of bats which roost in the crevices of raised Shinkansen railway in Japan
 ○Keiko Osawa, Akiyoshi Sato, Yushi Osawa
- P-047** Echolocation and acoustic identification of bat species in Tochigi prefecture
 ○Daichi Nakamura, Sachiko Yasui, Takasi Kamijo, Akihisa Miyano, Marina Komatsu, Satoko Yishikura, Akiyoshi Satou, Setsuko Katsuta
- P-048** Changes of population size for Bangs nose-leaf bat *Hipposideros turpis* Bang(1901) in Ishigaki Island, Okinawa prefecture. (2003–2015)

- Kyouji Koyanagi, Hisao Tamura, Akiko Tsuji, Kazue Okumura, Hajime Hasimoto, Kishio Maeda
- P-049** Acoustic monitoring as a non-harmful tool to monitor *Natalus primus*, a critically endangered bat species from Cuba
- Lida Sanchez Sanchez, Christian R Moreno, Carlos A Mancina, Emanuel C Mora
- P-050** Comparative study of physiological cross-sectional area of masticatory muscles among species of Carnivora
- Kai Ito, Hideki Endo
- P-051** Genetic variation of Tsushima and Iriomote leopard cats, based on genotyping of MHC class II DRB gene and MHC-linked microsatellites
- Toshinori Saka, Yoshinori Nishita, Ryuichi Masuda
- P-052** Residents' awareness survey on feral cat issues and countermeasures in Teuri Island
- Tohru Ikeda, Yasunori Takenaka, Futoshi Yamada, Takaaki Suzuki, Kohta Mameno, Akari Kobayashi, Yoshiki Ishida, Yoshiomi Ohsaka
- P-053** Genetic variation of MHC class II DRB genes among three weasel species: Japanese weasel (*Mustela itatsi*), Siberian weasel (*M. sibirica*) and least weasel (*M. nivalis*)
- Yoshinori Nishita, Alexei V. Abramov, Pavel A. Kosintsev, Liang-Kong Lin, Voitto Haukisalmi, Evgeniy Raichev, Shigeki Watanabe, Kouji Yamasaki, Yayoi Kaneko, Ryuichi Masuda
- P-054** The short-time foraging patterns of an omnivorous carnivore, Tsushima marten, estimated by quantitative indexes of stomach contents analysis
- Yoko Okawara, Nozomi Nakanishi, Masako Izawa
- P-055** Individual identification of small clawed otter and smooth-coated otter in Malay Peninsular based on previous Eurasian otter genetic markers.
- Hiroshi Sasaki, Takeshi Sekiguchi, Shukor Md-Nor, Badrul Munir Md-Zain, Pazil Abdul-Patah, Daisuke Wake
- P-056** Phylogeography and distribution changes between Asian and European badgers (*Meles*) in the Holocene epoch
- Emi Kinoshita, Pavel A Kosintsev, Evgeniy G Raichev, Voitto K Haukisalmi, Alexey P Kryukov, Øystein Wiig, Alexei V Abramov, Alexander P Saveljev, Yayoi Kaneko, Ryuichi Masuda
- P-057** Diet resources and preference in behavior range of Japanese badger (*Meles anakuma*) in an urban area
- Takehiko Kamito, Marina Fujita, Momo Manabe, Shohei Kobayashi, Yayoi Kaneko
- P-058** Behavioral difference around the setts and temporal niche differentiation between Japanese badgers and raccoon dogs

- Masaki Shimada, Kanako Ochiai
- P-059** Muscle fiber type organization of the trapezius, rhomboideus and serratus ventralis muscles of a raccoon dog
- Ryuhei Kojima, Kei Wakamatsu, Konosuke Tokita
- P-060** Distribution and winter food habits of raccoon dogs in the northwest region of central Tokyo
- Meng Liu, Masayuki U. Saito, Yayoi Kaneko
- P-061** When does the raccoon dog become the winter coat of fur?
- Yoshinori Kaneshiro
- P-062** Environmental determinants of morphological variation in red fox occurring in the Northern Hemisphere
- Sang-In Kim, Tatsuo Oshida, Mayura B. Takada, Alexei V. Abramov, Gábor Csorba
- P-063** Development and application of novel microstellite markers for Ezo red fox (*Vulpes vulpes schrencki*)
- Tomoki Tada, Hana Tanaka, Kenta Wada
- P-064** Settle or wander? : variation in the dens usage pattern by red foxes
- Takako Ikeda
- P-065** Wolves of the Japanese Islands: their age and distribution.
- Ayako Kohno, Hikaru Uno, Fuyuki Tokanai, Yuichiro Kudo, Tomoyuki Ohashi, Yohoko Okumura, Naoki Kohno
- P-066** Does a masked palm civet scratch at the pillar?
- Chihiro Kase, Yusuke Eguchi
- P-067** Summer food habits of the masked palm civet *Paguma larvata* in a suburban area of Ibaraki Prefecture
- Masakazu Iwama, Koji Yamazaki, Miho Matsuyama, Yoshinobu Hoshino, Yayoi Kaneko
- P-068** Aces in the hole! Using detection dogs for the mongoose eradication project in Amami Oshima Island – Training, handling dogs and the result –
- Yoshihito Goto, Ryo Yamashita, Masashi Kioka, Shin Hosokawa, Goro Majima, Satoshi Shiraishi, Takuya Yamada, Kenji Kitaura, Takuma Hashimoto, Takahiro Morosawa, Naho Mitani
- P-069** Spatiotemporal factors affecting bark stripping of conifer trees by Asiatic black bears
- Shinsuke Koike, Shoko Kobashikawa
- P-070** Effect of yearly fluctuations in nut production on appearance of Japanese black bear after outbreak of Japanese oak wilt
- Miyu Imagawa, Shota Mochizuki, Makoto Kobayashi, Syu Imamura, Maki Yamamoto
- P-071** Timeline Analysis of Animal Tracks – A new approach to GPS telemetry data

- Hirofumi Hirakawa, Chihiro Takahata
- P-072** Denning behavior of Asiatic black bears in Nagano Prefecture
○Akiko Takii, Kirara Kido, Ayako Kawai, Hiyoshi Akiko, Yuuki Hosokawa, Chihiro Takahata, Hidetake Hayashi, Shigeyuki Izumiyama
- P-073** Individual variation in diet of Asiatic black bears
○Tomoko Naganuma, Shinsuke Koike, Rumiko Nakashita, Chinatsu Kozakai, Koji Yamazaki, Koichi Kaji
- P-074** Food habits of the Japanese black bears around the Yokokawa national forest
○Saki Nakata, Shigeyuki Izumiyama, Chihiro Takahata
- P-075** Evaluation of suitable bait for asiatic black bear in the camera-trap designs
○Mai Ichikawa, Syota Mochizuki, Maki Yamamoto, Takuhiko Murakami
- P-076** The anatomical characteristics of olfactory organ in Brown bear (*Ursus arctos*)
○Jumpei Tomiyasu, Daisuke Kondoh, Naoya Matsumoto, Hideyuki Sakamoto, Motoki Sasaki, Yoshikazu Sato, Shingo Haneda, Motozumi Matsui
- P-077** Does brown bears discriminate individual bears by their smell? : Experiments of chemical communication using an oily secretion from their back skin
○Hisasaki Toyoshima, Taihei Naruse, Naoya Matsumoto, Jumpei Tomiyasu, Michito Shimozuru, Yoshikazu Sato
- P-078** Summer food availability, body condition, and cub survival in female brown bears in the Rurua area, Shiretoko Peninsula
○Michito Shimozuru, Fumihiko Mori, Yuri Shirane, Masami Yamanaka, Masanao Nakanishi, Toshio Tsubota
- P-079** Examination on the method of DNA based individual identification using bear damaged corn-remains collected at agricultural fields
○Hifumi Tsuruga, Mami Kondo
- P-080** Trial for evaluation of brown bear population trend in the Shiretoko Peninsula.
○Masami Yamanaka, Michito Shimozuru, Masanao Nakanishi, Yuri Shirane, Tsutomu Mano, Yasushi Masuda
- P-081** Spatial-temporal patterns of human-derived mortality on Hokkaido brown bears as an indicator of human bear conflicts.
○Syunsuke Fukami, Tsutomu Mano, Yoshikazu Sato
- P-082** Attempt to utilize brown bear (*Ursus arctos*) faeces collected from fields as genetic samples
○Mami Kondo, Hifumi Tsuruga
- P-083** Utilization Distribution and Ecology of Domestic Cat and Raccoon in the Urban Green Area.

- Mao Asami, Takehiko Kamito
- P-084** Home range size and habitat selection of raccoon (*Procyon lotor*) in Shimane Prefecture
○Masahiro Komiya, Hiroki Kanamori, Seigo Sawada, Yasuhiro Sugano, Yuki Ishibashi, Hiroaki Otani, Noriyuki Kanazawa
- P-085** Dietary characteristics of alien species, raccoon (*Procyon lotor*), which shows recent range expansion in Southern part of Ibaraki Prefecture, central Japan
Ayako Suzuki, Nachika Ochiai, Mayumi Furuya, Yusuke Goto, ○Koji Yamazaki
- P-086** Where's raccoon? – Five fingers are here
○Emi Yamaguchi, Mayura B Takada, Mutsuyo Kadohira
- P-087** How many camera trap efforts are needed to detect feral raccoons in the front line of their range?
○Yoshikazu Seki, So Rokuhara, Yoshihisa Mori
- P-088** Cascade of invasive raccoon control and its challenge in Japan
○Takaaki Suzuki, Tohru Ikeda
- P-089** A reconstructed ankle joint of the extinct pinniped *Allodesmus* based on morphologies of the astragalus and calcaneus
○Wataru Tonomori, Naoki Kohno
- P-090** Comparative study of skull's shapes on sex and growth stage of spotted seal and harbor seal using landmark method
○Yuichi Arai, Aya Morohoshi, Mio Shibuya, Takahito Masubuti, Takayuki Haneda, Mituki Watanabe, Mio Kato, Minoru Kanaiwa, Mari Kobayashi
- P-091** Validation of crossbreeding of spotted seals and kuril harbor seals by using the SINEs.
○Yuka Miura, Mari Kobayashi, Takeshi Sasaki, Taichiro Ishige
- P-092** Food habit of harbor seal (*Phoca vitulina stejnegeri*) at Cape Erimo, Hokkaido
○Takahito Masubuti, Toshihiro Aoki, Yukari Itagaki, Ayako Maruyama, Mari Kobayashi
- P-093** Estimation of the breeding area of spotted seals (*Phoca largha*) at Bakkai Hokkaido, Japan
○Mio Kato, Mari Kobayashi, Hiroyasu Mori
- P-094** Usage pattern in Lake Furen of spotted seals by individual identification
○Mitsuki Watanabe, Mari Kobayashi
- P-095** Seasonal characteristics of diving behavior in each age class and sex of spotted seals (*Phoca largha*)
○Mio Shibuya, Mari Kobayashi, Risa Sasaki, Tomotake Wada, Yasuo Oishi
- P-096** Long-term stay of Steller sea lions observed from 2015 to 2016, Bentenjima, Cape Soya, Hokkaido.

○Yoko Goto, Takeomi Isono, Yutaro Suzuki, Takanori Horimoto, Akihiko Wada, Hiroshi Yamaguchi, Kaoru Hattori

P-097 Observation of Steller sea lions haul-out site on Point Ofuyu, Hokkaido 2004-2015.

○Takeomi Isono, Kaoru Hattori, Orio Yamamura

Multipurpose Hall

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○Yuko Tawa, Shahrul Anuar Mohd Sah, Shiro Kohshima

P-099 Pudendal nerve of the Fetal Pig

○Kounosuke Tokita, Ryouhgi Kojima, Hidaka Anetai

P-100 Try damage control trapping by using ICT and wide-area protection fence

○Seigo Sawada, Hiroki Knamori, Masahiro Komiya, Tomoko Shizuno, Yoshiaki Nasu

P-101 Profiles of Fecal Steroid Hormone Levels in Captive Giraffes.

○Misato Hirai, Tsugumi Fukuoka, Yasutake Kokura, Keiko Shimizu

P-102 Evaluation of prevention fences in Reeves's muntjac *Muntiacus reevesi*

○Nami Sato, Chihiro Kase, Takeshi Kohama

P-103 Antler growth and changes in investment in antlers for lifetime of male Sika deer on Kinkazan Island

○Masato Minami, Naoko Higuchi, Nobumasa Ohnishi, Miho Kato

P-104 Development growth of antler of sika deer on Nakanoshima Island, Hokkaido

○Tomoya Shichijo, Hiromasa Igota, Yukiko Matsuura, Hiroshi Takahashi, Takashi Ikeda, Munemitsu Azumaya, Koichi Kaji, Tsuyoshi Yoshida

P-105 Genetic structures of Sika deer populations in Oku-chichibu mountains

○Mitsuru Kawasaki, Toshihide Hirao, Dai Fukui, Susumu Goto, Toshihiro Yamada

P-106 Food habits of Sika deer population in Northern Gunma Region, Japan

○Tomoko Anezaki

P-107 Effect of feeding on appearance of sika deer in planted forests

○Eitoku Otani, Toshiyuki Hougen

P-108 Regional differences in bait preference of sika deer

○Kazuhiro Minamino

P-109 Don't meadows affect the deer density in the forest at the foot of Mt.Yatsugatake ?

○Kanoko Tawara, Masahiro Fujioka, Hiroki Hagata

P-110 Seasonal change of sika deer population density using REM in plantation forest

○Ryuuta Tanaka, Chihiro Takahata, Akiko Takii, Sigeyuki Izumiyama

P-111 Seasonal movements and habitat use of shika deer in Southern Hokkaido, Japan

- Hidetsugu Nakamura, Yasuyuki Tachiki, Hiroyuki Uno, Yoshihiro Inatomi, Rika Akamatsu
- P-112** Factors affecting activity pattern of sika deer in riparian forest in an anthropogenic landscape
○Isao Okuma, Takumi Akasaka, Mayura B. Takada, Daiki Yoshimatsu, Hisashi Yanagawa
- P-113** Population dynamics of sika deer in Awashima
○Ayaka Tsukada, Yoshifumi Fuziwara, Taishi Higashide, Shota Mochizuki, Masahiko Asada, Maki Yamamoto
- P-114** Deer trails in the high sika population wetland, Kiritappu, Hokkaido
○Mizuna Sato, Tsuyoshi Yoshida
- P-115** Camera-trapped sika deer in Mt. Nakui in Aomori Prefecture
○Ayumi Okada, Shota Tadokoro, Kei-Ichi Tanaka, Junji Shindo
- P-116** Spatio-temporal variations in the frequency of deer habitat use by camera trap survey and application of its result to suggestion of deer management plan
○Yasuhiko Nakata, Daisuke Nakamura, Kyoko Kobayashi, Tomonori Kawamoto, Akira Iwaki, Ryota Araki
- P-117** The number of animals captured by leg-tying traps by mistake and the species of them in Komoro city, Nagano prefecture.
○Tsuyoshi Takeshita, Masato Minami
- P-118** Why is the sharpshooting effective? –Factors from view of deer behavior by GPS collar–
○Yosuke Komatsu, Takahiro Ohba, Masataka Ohashi
- P-119** Results and problems of deer capture by mobile culling method.
○Tetsuya Maruyama
- P-120** Seasonal variation of visiting pattern of sika deer to the Mizorogaike wetland
○Riyu Tsujino, Yosan Chon, Kiyoshi Matsui
- P-121** Sika deer home range will differ in summer and winter habitat?
○Ryoto Yoshida, Atsuki Sato, Kunika Saito, Shin Kanno, Kanji Hashimoto, Hiroyo Uehara, Hiroyuki Uno, Yoshihiro Inatomi, Mayumi Ueno, Satoshi Kobayashi, Takunari Murai, Rika Akamatsu, Yasuyuki Tachiki, Tsuyoshi Yoshida
- P-122** Culling of Sika deer (*Cervus nippon*) in the Chichibu Mountains.
○Satobu Takahashi, Daigo Hirose, Yuta Horiguchi
- P-123** Factors influencing distribution of crop damage by sika deer *Cervus nippon yezoensis* in Memuro town, Hokkaido, Japan : Focusing on crop type and forest distribution
○Maho Fukuya, Takumi Akasaka, Isao Okuma, Hisashi Yanagawa

- P-124** Linear and nonlinear damages of deer density increase on agriculture and forest vegetation
○Ryosuke Koda, Tomoyuki Tsujino, Yusuke Doi
- P-125** Decomposition process of Sika deer carcasses left at hunting sites
○Shin-Ichi Horino, Masahiro Sueyoshi, Akira Ueda, Junco Nagata, Mitsuhiro Nakamura
- P-126** Transfer coefficients (Tag) of radioactive Cs-137 to sika deer in Oku-Nikko after the Fukushima Daiichi nuclear disaster
○Masaaki Koganezawa, Kei Okuda, Emiko Fukui, Yoshinori Tamura
- P-127** Localized defecation sites in Japanese serows (*Capricornis crispus*): some possibilities of intersexual communication and anti-predator behavior
○Haruko Watanabe, Hayato Takada, Hideharu Tsukada, Masato Minami
- P-128** Crop damage by Japanese serow and the setting situation of the electric fence.
○Yusaku Yamada, Yukiko Namba
- P-129** Morphology and growth pattern of cervical vertebrae in gerenuk (*Litocranius walleri*)
○Megu Gunji, Hideki Endo
- P-130** Timing, periods and distances of spring movements of Mongolian gazelles
○Shunsuke Imai, Takehiko Y Ito, Masato Shinoda, Atushi Tsunekawa, Badamjav Lhagvasuren
- P-131** The rate of molecular evolution in Cetartiodactyl mitochondrial DNA
○Satoko Mori
- P-132** What is seen in our wild mammal list in Ibaraki of “today”
○Masahiko Takeuchi, Ryusuke Fujimoto, Kazuya Morishima, Sachiko Yasui, Koji Yamazaki
- P-133** Elucidation of the subalpine region use by middle and large-sized mammals using the camera trap at Mt. Hotaka in Gunma prefecture.
○Shuntaro Aoki, Yoshihiro Nakasima
- P-134** Ecological investigations of mammals in a forest island revealed by sensor camera trap— A case study in Mt. Asuwa, Fukui Pref.—
○Satoshi Suzuki
- P-135** Use of discarded fruit by mammals: focus on seasonal changes.
○Chinatsu Kozakai, Ayaka Hata, Midori Saeki, Masahiko Takeuchi
- P-136** Causes of failures in trail camera photography
Yukino Yamawaki, ○Motokazu Ando
- P-137** The questionnaire survey for residents’ preferences on wildlife issues in Sabae City
○Mizuki Mizutani, Miyako Nakata, Taichi Kitagawa
- P-138** GPS collar acquisition in Forests and wetland of Hokkaido

- Atsuki Sato, Ryoto Yoshida, Hino Takafumi, Takunari Murai, Yasuyuki Tachiki,
Tsuyoshi Yoshida
- P-139** Pitfalls wildlife managers encounter when managing population size for damage
○Takeshi Honda, Hayato Iijima
- P-140** Comparison between Russian and Japanese wildlife education system.
○Yuka Sakiyama, Senchik Aleksandr, Hiromasa Igota
- P-141** The marked findings of the long-term monitoring investigation by national-wide citizen
science –The results of “Monitoring sites 1000 SATOYAMA” program–
○Yuji Aoki, Shinichi Takagawa, Mayuko Fukuda
- P-142** The effects of wind farms to the mammal fauna in the coastal forests
○Shota Mochiduki, Masatsugu Hirata, Sachiko Moriguchi, Tuneo Sekijima
- P-143** Impacts of human migration on wild mammal communities due to tsunami and radioactive
contamination
○Ayami Shiga, Kei Okuda, Kana Okuda–Nomoto, Masaaki Koganezawa

High School Student Poster Session

Sep 25 (Sun) 11:00~12:00 Multipurpose Hall

HP01

Activity result of TEAM RACCOON -Change in consciousness about alien species-

○Taro Ito, Daichi Takano

HP02

The characteristic behavior of Pongo Lacedpede in zoo -comparison in zoo and in wild-

○Shunpei Kuroda, Reisiro Kawakami, Yutaka Honda

HP03

The Study of Habitation of Mice

○Nao Takagi

HP04

Ecological research of Lake Haruna

○Ami F Kenmochi

HP05

Study on behavior of wild boar and intrusion protection fence

○Manaka Tukai, Yukari Yokosaka

HP06

Study of "Nutaba" -"Cervus nippon" behavioral cycle survey-

○Nanase Takayama, Ayami Yoshino

HP07

How do the Monkeys Respond to Human ? Behavior Analysis of the Provisioned,
Free-ranging Japanese Macaques at Takasakiyama

○Kouhei Fukata, Yuuki Okubo, Seiya Seike

HP08

Alternating turning reaction of cockroaches

○Mayu Hashiguchi, Takahiro Hujigasaki

HP09

Motion of Yuremo(Cyanobacteria)

○Keisuke Imaizumi, Tomohiro Fujigasaki

HP10

Sending Out from Tochigi! To Raise the Productivity of Trusty Calves ~The Spirit for
Cattles Inheriting from Grandparents~

○Yukari Murata