Poster Session
11th September 1:15 pm ~ 2:45 pm
Room II (Meeting Room 1+2)

P-01  
Auditory responses in the nucleus taeniae of the amygdala in Bengalese finches  
TOMOKO FUJII1, MAKI IKEBUCHI2, KAZUO OKANOYA1,2  
1Department of Life Sciences, Graduate School of Arts and Sciences, The University of Tokyo, 2Cognitive and Behavioral Sciences Joint Research Laboratory, RIKEN Brain Science Institute

P-02  
Conditioned social preference, but not place preference, produced by intranasal oxytocin in female mice  
YUTAKA KOSAKI, SHIGERU WATANABE  
Advanced Research Centers, Keio University

P-03  
The effects of chronic treatment of high-dose estrogen on the corticosterone concentration in serum and the mRNA expression of stress-related hormones in hypothalamus.  
AYUMI OKAWA1, KAZUYA TOMIHARA2  
1Graduate School of Humanities and Social Sciences, Kagoshima University, 2Faculty of Law, Economics, and Humanities, Kagoshima University

P-04  
Inhibition of Cortical Top-Down Input affects Accurate Sensory Perception in mice  
CHIHIRO HOMA1,2, TAKAYUKI SUZUKI2, ATSUSHI KAMOSHIDA3, TAKASHI MATSUMOTO2, KAZUYUKI YAMADA2, MAYA ODAGAWA2, CHIE MATSUBARA2, AYUMI INUTSUKA1, AKIHIRO YAMANAKA3, MASANORI MURAYAMA1,2  
1Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, 2Brain Science Institute RIKEN, 3Research Institute of Environmental Medicine, Nagoya University, 4National Instruments Japan corporation

P-05  
Possible Involvement of Fibroblast Growth Factor 5 (FGF5) in Neural Regulation of Social Behavior of Male Mice  
KAI KIMURA1, MARINA HOSHINO1, MIZUMI INOU1, HARUKA KOBAYASHI1, TSUYOSHI HAMADA2, JUNKO IMAKI1, YASUHIKO KONDO1  
1Department of Animal Sciences, Teikyo University of Science, 2Department of Anatomy, National Defense Medical College

P-06  
Scopolamine administered before retrieval diminishes retrieval-induced forgetting in spontaneous object recognition in rats.  
AKIRA ICHIKAWA1, YUKIO ICHITANI1, KAZUO YAMADA2  
1College of Psychology, School of Human Sciences, University of Tsukuba, 2Department of Psychology & Behavioral Neuroscience, University of Tsukuba

P-07  
Predicted shock-evoked response in periaqueductal gray neuron is negatively regulated by projection from amygdala in auditory fear conditioning in rats  
TAKAAKI OZAWA1, Edgar A. YCU1, ASHWZNI KUMAR1,3, TOUQEER AHMED2, LI-FENG YEH1,4, JENNY KOIVUMAA1, JOSHUA P. JOHANSEN1,4  
1Laboratory for Neural Circuity of Memory, Brain Science Institute, RIKEN, 2National University of Sciences and Technology, Atta-ur-Rahman School of Applied
P-08 Role of hippocampal NMDA receptors in the retrieval of spontaneous object recognition memory in rats
ETSUSHI TAKANO¹, KAZUO YAMADA², YUKIO ICHITANI²
¹Institute of Psychology and Behavioral Neuroscience, University of Tsukuba Institute of Psychology and Behavioral Neuroscience, University of Tsukuba

P-09 Effects of emotional conditioning and propranolol on nose-poking operant learning of rats.
KATSUYOSHI KAWASAKI¹, ², SATOMI KOMORI², TAKAMASA KOYAMA²
¹Department of Psychology, Hoshi University, ²Department of Psychology, Japan Women's University

P-10 Effects of blood-pressure reduction on autoshaping and subsequent learning performance in rats: A preliminary study
TOSHIHIKO SATO¹, JIRO GYOBA²
¹Graduate School of Health and Environmental Sciences, Tohoku Bunka Gakuen University, ²Department of Psychology, Graduate School of Arts and Letters, Tohoku University

P-11 Effects of repeated corticosterone administration on behavioral properties in rats with neonatal repeated MK-801 treatment
KOUCHI KAWABE
Graduate School of Literature and Human Sciences, Osaka City University

P-12 Effect of an intra-dorsal striatum injection of NMDA receptors blocker, AP5, on the formation of temporal memory in rats
SHOTA SHIMODA¹, TOSHIMICHI HATA²
¹Faculty of Psychology, Doshisha University, ²Faculty of Psychology, Doshisha University

P-13 The contribution of granular retrosplenial cortex of wistar rats in an interval estimation task.
TOMOHIRI TANAKA, KAZUO OKANOYA
Graduate School of Arts and Science, The University of Tokyo

P-14 Rats’ object memory span: limited involvement of hippocampal NMDA receptors in spontaneous object recognition under high memory load condition.
MANAMI SUGITA, KAZUO YAMADA, YUKIO ICHITANI
Institute of Psychology and Behavioral Neuroscience, University of Tsukuba

P-15 New task for investigating hippocampal neuronal representations of interval timing in rats.
AKIHIRO SHIMBO¹,², EI-ICHI IZAWA¹, SHIGEYOSHI FUJISAWA²
¹Graduate School of Human Relations, Keio University, ²Riken BSI, Laboratory for Systems Neurophysiology

P-16 Multisensory integration of male vocalizations and pheromone in female mice
AKARI ASABA¹,², KAZUTAKA MOGI¹, TAKEFUMI KIKUSUI¹
¹Graduate School of Veterinary Medicine, Azabu University, ²The Japan Society for The Promotion of Science

P-17 Cardiac emotional responses to ultrasonic vocalizations in rats under anesthesia
ASUKA SUMI, KAZUO OKANOYA
College of Arts and Science, The University of Tokyo
Heart rate variability predicts emotional valence in dogs.
MAKI KATAYAMA1, MIHO NAGASAWA1, KAZUTAKA MOGI1, TAKATOMI KUBO2, KAZUSHI IKEDA2, TAKEFUMI KIKUSUI1
1Department of Animal Science and Biotechnology, Azabu University, 2Department of Information Science, Nara Institute of Science and Technology

Plasma oxytocin level of male marmoset in pre- and postnatal period
AKIKO NAKAGAMI12, KEIKO NAKAGAKI12, MIYUKI YASUE2, NORITACHINOHE2, NOBUYUKI KAWAI2
1Graduate School of Information Science, Nagoya Univ., 2Department of Ultrastructural Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP)

Influences of genetic polymorphisms in oxytocin receptor gene (OXTR) on affiliative sociality of Japanese macaques (Macaca fuscata).
KENJI ONISHI12, KAZUNORI YAMADA1, MASAYUKI NAKAMICHI3, EII INOUE2, ATSUKO SAITO5, MIHO INOUE-MURAYAMA6
1Graduate School of Arts and Sciences, The University of Tokyo, 2JSPS, 3Graduate School of Human Sciences, Osaka University, 4Graduate School of Sciences, Kyoto University, 5Faculty of Education, Musashino University, 6Wildlife Research Center of Kyoto University

Attenuated latent inhibition of taste aversion learning in EL mouse as an animal model of ADHD.
GO MUGISHIMA1, HIROAKI KUBO4, NORIKO SAKA1, TOMOYUKI NAGAI1, SAKI ISOZAKI1, HIROSHI KIMURA3, TOSHIKAZU SHINBA4
1Department of Psychology, Fukuoka Prefectural University, 2Kyushu University Hospital, 3Waseda University, 4Shizuoka Saiseikai General Hospital

The effect of methylphenidate on the evoked potential to auditory paired stimulation in SHR as an animal model of ADHD.
NORIKO SAKA1, TOSHIKAZU SHINBA2, HIROAKI KUBO3, YUIKA MIYAGAWA1, MIHO HAYASHI4, HIROSHI KIMURA3, GO MUGISHIMA1
1Fukuoka Prefectural University, 2Shizuoka Saiseikai General Hospital, 3Kyushu University, 4National Hospital Organization Kyushu Cancer Center, 5Waseda University

A rubber tail task in CAPS2 KO mice: an initial study
MAKOTO WADA1, Masakazu IDE12, KAORI YAGISHITA1, MOMOKO KATAKAI2, YO SHINODA1, TEIICHI FURUICHI2, KENJI KANSAKU45
1Dev Disorders Sect, Dept Brain Rehab, Res Inst of NRCD, 2Japan Society for the Promotion of Science, 3Lab of Molecular Neuroscience, Tokyo University of Science, 4Sys Neurosci Sect, Dept Brain Rehab, Res Inst of NRCD, 5Brain Sci Inspir Life Supp Res Cent, Univ of Electro-Communications

Marmoset models of autism did not avoid non-reciprocal human individuals
MIYUKI YASUE1, AKIKO NAKAGAMI12, TAKU BANNO2, KEIKO NAKAGAKI2, NORITACHINOHE2, NOBUYUKI KAWAI12
1Graduate School of Information Science, Nagoya University, 2Department of Ultrastructural Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP)

Reexamination of appetitive classical conditioning in Japanese fire belly newts
TOHRU TANIUCHI, CHIAKI TANAKA, MIKITA NISHIKAWA, MOTOYUKI TENMA
Graduate School of Socio-Environmental Studies, Kanazawa University
Teaching newts tricks: a newt (*Cynops pyrrhogaster*) learned to pass through small rings for food reward
MIYU ITANI¹, NAMIKO KUBO-KAWAI¹, NOBUYUKI KAWAI²
¹Department of Psychology, Aichi Shukutoku University,²Graduate School of Information Science, Nagoya University

Do Syrian hamsters and degus retrieve incidentally formed memory? A further analysis.
TORU BETSUYAKU, MANA TSUZUKI, SUMIE Iwasaki, KAZUO FUJITA
Graduate School of Letters, Kyoto University

Inhibitory effects of running during delay period on the performance of novel location recognition task in mice
HONOKA SUZUKI, TAKASHI OKADA
Department of Psychology, Faculty of Human Sciences, Sophia University

Brief hind paw stimulation is sufficient to induce delayed somatosensory discrimination learning in C57BL/6 mice
NAOTO HIRASAWA¹, KAZUYUKI YAMADA¹, MASANORI MURAYAMA¹
¹Behavioral Neurophysiology Laboratory, Brain Science Institute, The Institute of Physical and Chemical Research (RIKEN), ²International Animal Health and Management College

Behavioral evaluation of impairment of response inhibition by habit formation
JUNICHI YOSHIDA, AKIKO SAIKI, SHOGO SOMA, KO YAMANAKA, SATOSHI NONOMURA, MASANORI KAWABATA, YUTAKA SAKAI, YOSHIKAZU ISOMURA
Brain Science Institution, Tamagawa University

Effects of number of items on the temporal order memory in spontaneous object recognition in rats.
TAICHI HATAKEYAMA¹, KAZUO YAMADA², YUKIO ICHITANI³
¹University of Tsukuba Graduate School of Comprehensive Human Sciences, ²Institute of Psychology and Behavioral Neuroscience, University of Tsukuba

Rats showed directed forgetting when forget-items and a remember-item were presented in the same trial simultaneously
CHIAKI TANAKA, TOHRU TANIUCHI
Graduate School of Human and Socio-Environmental Studies, Kanazawa University

Conditional discrimination of numerical visual stimuli in a miniature pig
RYOUSEI UENO¹, HIROKAZU INABA², TOHRU TANIUCHI³
¹Farm of Ishikawa Prefectural University, ²Ishikawa Prefectural University, ³Graduate School of Socio-Environmental Studies, Kanazawa University

Long-term memory in a red-ruffed lemur (*Varecia rubra*)
SANA INOUE¹, IZUMI SHINDO²
¹The Institute for Humanistic Studies, Kamakura Women's University, ²Nogeyama Zoological Gardens

Temporal order judgment task in European Starlings
GESAm FEENDERS, CYOYOKO KATO, KATHARINA BORZESZKOWSKI, RAINER BEUTELMANN, GEORG M KLUMP
Animal Physiology and Behaviour Group, Department of Neuroscience, School of Medicine and Health Sciences, Oldenburg University
P-36  
Pigeons (Columba livia) fail to connect dots in learning biological motion  
ERIKO YAMAMOTO1, KAZUHIRO GOTO2, SHIGERU WATANABE3  
1JSPS Research Fellow, The University of Tokyo, 2Sagami Women's University, 3Keio University

P-37  
Depth perception in the horizontal direction in C57BL/6 mice  
TAKAO OKITU1, KATSUNORI KATO2  
1 Graduate School of Comprehensive Human Sciences, University of Tsukuba, 2Faculty of Human Sciences, University of Tsukuba

P-38  
Effects of congruity between transitive order and spatial arrangement of premise stimuli on transitive inference in rat  
MOTOYUKI TENMA, TOHRU TANIUCHI  
Graduate School of Socio-Environmental Studies, Kanazawa University

P-39  
Using the touchscreen testing method in a motion direction discrimination task in rats  
YUICHIRO IO  
Department of Behavioral Sciences, Graduate School of Integrated Arts and Sciences, Hiroshima University

P-40  
Emergence of metacognitive behavior in rats under a reduced chance level  
SHOKO YUKI1,2, KAZUO OKANOYA1  
1 Department of Life Sciences, Graduate School of Arts and Sciences, The University of Tokyo, 2Japan Society for the Promotion of Science

P-41  
Do rats withhold food rewards to a "free rider"?  
YUMI HATA1, TOSHIMICHI HATA2  
1Graduate School of Literature and Human Sciences, Osaka City University, 2Faculty of Psychology, Doshisha University

P-42  
Theory of mind in a cat: A note concerning origin of theory of mind  
YASUMASA ANNEN  
Department of Human Sciences, Aichi Mizuho College

P-43  
Majority synching bias toward humans in dogs.  
MIHO NAGASAWA1,2, KAZUTAKA MOGI3, TAKEFUMI KIKUSUI2  
1Department of Physiology, Ichi Medical University, 2Department of Animal Science and Biotechnology, Azabu University

P-44  
Owner's gaze at its dog increases the dog's attachment behaviors  
MIDORI OHKITA1, MIHO NAGASAWA1, KAZUTAKA MOGI3, TAKEFUMI KIKUSUI2  
1School of Human Sciences, Senshu University, 2Azabu University, 3Ichi Medical University

P-45  
Difference between TV watching dogs and non-watcher: in relation to visual preference task performances  
MIKI KAKINUMA, IZURU NOSE, SHOTA NAKAZAWA, MIYOKO MATOBA  
Nippon Veterinary and Life Science University
Social communication helps monkeys comprehend the self-image in the mirror
MARI KUMASHIRO¹, KAZUYUKI SAMEJIMA¹, HIDETOSHI ISHIBASHI²,³
¹Basic Brain Science Research Center Brain Science Institute, Tamagawa University, ²Tokyo Medical University, ³Tokyo Medical and Dental University

Do chimpanzees try to increase their "assets"?
YOSHIKI KUROSAWA, MASAKI TOMONAGA
Primate Research Institute, Kyoto University

Pictures of out-group members decrease self-control in humans
ASAMI SHINOHARA¹, SHINYA YAMAMOTO²
¹Graduate School of Education, Kyoto University, ²Graduate School of Intercultural Studies, Kobe University

Analysis of the starved Camponotus japonicus behavior
RITO TAKEUCHI¹, OSAMU YAMANAKA², AKINORI AWAZU², HIRAKU NISHIMORI²
¹Department of Computational Intelligence and Systems Science, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology, ²Department of Mathematical and Life Sciences, Graduate School of Science, Hiroshima University

Analysis of hierarchical social behavior in clown anemonefish (Amphiprion ocellaris)
TSUBASA ITO, SHIHO NAKAGIRI, KAZUYO NAGATA, KAZUHIRO SANO, SHOKO SAGOSHI, MARIKO NAKATA, SONOKO OGAWA
Laboratory of Behavioral Neuroendocrinology, University of Tsukuba

Using 3DCG animations to study shoaling behavior in medaka: effects of systematic manipulation of morphological and motion cues
TOMOHIRO NAKAYASU¹, EIJI WATANABE²
¹Department of Molecular & Cellular Physiology, Shinshu University, ²Laboratory of Neurophysiology, National Institute for Basic Biology

The power of reinforcement of real-time social interaction via audio-visual computer devices in budgerigars (Melopsittacus undulatus)
YUKO IKKATAI¹, KAZUO OKANOYA², YOSHIMASA SEKI¹
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Effects of the presence of females on allopreening of young male crows
ERI MIYAZAWA¹, EI-ICHI IZAWA²
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Specialized bill morphology for tool use in Caledonian crows
HIROSHI MATSUI¹, GAVIN HUNT², NAOMICHI OGIHARA³, TAKESHI YAMASAKI⁴, EI-ICHI IZAWA¹
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Mother promotes infant's exploratory behavior in Octodon degus
TOMOKO UEKITA
Department of Psychology, Kyoto Tachibana University
A series of behavioral analyses to reveal behavioral and psychological basis underlying tameness in selected population of wild-derived heterogeneous stock (WHS) of mice
HIROMICHI NAGAYAMA1,2, YUKI MATSUMOTO1,2, TATSUHIKO GOTO3, TSUYOSHI KOIDE1,2
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Locomotor activity of mice and the structure of space (6): Effects of the shape
KATSUNORI KATO1, SATOMI FUJII2
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Tickling during adolescence overcomes stress vulnerability induced by isolated rearing
MIYO HORI1, KAZUO YAMADA2, JUNJI OHNISHI1, HIROKI FURUI2, KAZUO MURAKAMI1, YUKIO ICHITANI2
1 Bio-Laboratory, Foundation for Advancement of International Science, 2 Institute of Psychology and Behavioral Neuroscience, University of Tsukuba, 3 Department of Food and Nutrition, Tokyo Kasei University

Is the free rat’s door manipulation for releasing another rat trapped in a restrainer due to sympathy?
TSUGUMI KOMURO, TAKASHI OKADA
Department of Psychology, Faculty of Human Sciences, Sophia University

The frequencies in the 50-kHz ultrasonic vocalizations by the size in the space in rats
AYUMI ISONO, SAORI AMAFUJI, TAICHI KUSAYAMA
Department of Psychology, Faculty of Liberal Arts, Teikyo University

The procedure of adjusted delay task in rats
FUMI AKIYAMA, SHOGO SAKATA
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Rats suppress intake of less preferable food in anticipation of more preferable food
MIKITA NISHIKAWA, TOHRU TANIUCHI
Graduate School of Human and Socio-Environmental Studies, Kanazawa University

Sequential lever-pressing performance under response deadline in rats
YAYOI SEKIGUCHI1, TOSHIMICHI HATA2
1 Graduate School of Psychology, Doshisha University, 2 Faculty of Psychology, Doshisha University

Comparisons between dogs and cats in animal assisted activity
NAOKO KODA1, YOSHIO MIYAJI3, YANXIA SONG1, CHIEMI MIYAJI2
1 School of Agriculture, Tokyo University of Agriculture and Technology, 2 Japan Animal-Assisted Therapy Council

Cooperative behaviors of common marmosets: opening the food container task
TAICHI KUSAYAMA
Department of Psychology, Faculty of Liberal Arts, Teikyo University

How chimpanzees perceive human and chimpanzee eyes
MASAKI TOMONAGA1, FUMITO KAWAKAMI1,2
1 Primate Research Institute, Kyoto University, 2 JSPS
Behavioral responses after failure to receive grooming in Japanese macaques
MASATAKA UENO, MASAYUKI NAKAMICHI
Graduate School of Human Sciences, Osaka University

Spontaneous prosocial choice by captive bottlenose dolphins
FUMIO NAKAHARA¹, MASAYUKI KOMABA², RYOICHI SATO², HISAKO IKEDA², KUMIKO KOMABA², AYAKA MATSUYA², AKIHIRO KAWAKUBO²
¹Tokiwa University, ²Kujukushima Aquarium

Analysis of communication sounds in Japanese house bats (Pipistrellus abramus)
TAKAFUMI FURUYAMA¹, KOHTA KOBAYASI¹, SIZUKO HIRYU¹, HIROSHI RIQUIMAROUX¹
¹Graduate School of Life and Medical Sciences, Doshisha University, ²Research Fellow of Japan Society for the Promotion of Science

Emotional contagion causes both positive and negative cognitive biases in rats
YUMI SAIITO¹, HIROKO KAGAWA², SYOKO YUUKI¹, KAZUO OKANOYA¹,²
¹The Graduate school of Art and Science, The University of Tokyo, ²RIKEN Brain Institute

Developmental changes of isolation-induced ultrasonic vocalizations of rat pups: Analysis of call types
YURIE KAWAMURA, HIROMI WADA
Graduate School of Letters, Hokkaido University

The social group of chimpanzees in Momotarou-en
TOMOMI OCHIAI¹, KOSHIRO WATANUKI², TOSHIFUMI UDONO³
¹Institute for Biosciences, Mukogawa Women's University, ²Primate Research Institute, Kyoto University, ³Kumamoto Sanctuary, Kyoto University

Synesthesia-like perception in Gold fish
MAKOTO TAKAHASHI¹, THORU TANIUCHI²
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