Poster Presentation Lineup

PA. Award for Best Article Candidates

PA-01 Bioluminescence by luciferin analogues in mice, pill bugs, and blow flies

*IKARI Yukimasa[1], HAYASHI Yuna[1], FUKUDA Mifuru[1], KITADA Nobuo[1,2], SAITO-MORIYA Ryohei [1,3,4], MAKI Shojiro[1,5], YOSHIKAWA Tomoko[6], NAKAMURA Atsushi[1,5]

[1]Dept. Engineering Sci., Univ. Electro Communications, [2]Coordinated Center for UEC Research Facilities, Univ. Electro Communications, [3]Sch. Pharm., Tokyo Univ. Pharm. Life Sci., [4]Dept. of Chem. & Biol. Sci., Fac. of Sci., Japan Women's Univ., [5]Center Neurosci. and Biomed. Engineering, Univ. Electro Communications, [6]Org. International Education Exchange, Univ. Toyama

PA-02 Investigation of neural activity changes derived from extraocular photoreception in the whole brain of larval zebrafish by calcium imaging

*NAMIKOSHI Yuya[1], WADA Seiji[2,3], KOYANAGI Mitsumasa[2,3], TERAKITA Akihisa[2,3]

[1]Dept. Biol. & Geosci., Grad. Sch. Sci., Osaka City Univ., [2]Dept. Biol., Grad. Sch. Sci., Osaka Met. Univ., [3]The OMU Adv. Res. Inst. Nat. Sci. Tech., Osaka Met. Univ.

PA-03 The neural mechanism that regulates the ejaculation-triggered neurons in *Drosophila melanogaster*

*YAMANOUCHI Hayato, TANAKA Ryoya, KAMIKOUCHI Azusa

Dept. Bio. Sci., Nagoya Univ.

PA-04 Dopamine modulates the function of the auditory system in fruit flies

*YAMAKOSHI Haruna, HORIGOME Mihoko, OGURI Noiri, KAMIKOUCHI Azusa

Grad. Sch. of Sci., Nagoya Univ.

PA-05 The role of serotonin on responsiveness to sucrose and walking activity in the ant, *Pristomyrmex punctatus*

*HAMAYA Yohei, FUNABIKI Yuka, ITO Yuka, YAGUCHI Hajime, HOJO Masaru K.

Grad. Sch. Sci. Tech, Kwansei Gakuin Univ.

PA-06 Quantitative analysis of the fighting behavior in the cricket

*MURATA Akihisa[1], TAKEMOTO Kanako[2], AONUMA Hitoshi[1,2]

[1]Dept. of Biol., Grad. Sch. of Sci., Kobe Univ., [2]Dept. of Biol., Fac. of Sci., Kobe Univ.

PA-07 Roles of octopamine and dopamine neurons in the formation of parallel appetitive and aversive memories and their control over conditioned response in Pavlovian conditioning in the cricket *Gryllus bimaculatus*

*RAHMAN Sadniman[1], MIZUNAMI Makoto[2]

[1]Grad. Sch. Life Sci., Hokkaido Univ., [2]Fac. Sci., Hokkaido Univ.

PA-08 Recognition of the pup's calls by the mother in Japanese house bats, *Pipistrellus abramus*

*HIRAGOCHI Midori, YOSHINO-HASHIZAWA Kazuki, KIHARA Motoki, KOBAYASI Kohta I, HIRYU Shizuko

Grad. Sch. Life & Med. Sci., Doshisha Univ.

PA-09 Aversive e-vector orientation learning in the cricket *Gryllus bimaculatus* using the treadmill device

*MATSUBARA Nobuaki[1], ANDO Noriyasu[2], OKADA Ryuichi[1], OGAWA Hiroto[3], SAKURA Midori[1]

[1]Grad. Sch. Sci., Kobe Univ., [2]Dept. Sys. Life Eng., Maebashi Inst. Tech., [3]Dept. Bio. Sci., Fac. Sci., Hokkaido Univ.

PA-10 Amino acid transporter SLC46 in pharyngeal muscle regulates cold tolerance of *C. elegans*

*YAMASHIRO Serina[1], MIZUNO Satomi[1], MOTOMURA Haruka[1], OHTA Akane[1], KUHARA Atsushi[1,2]

[1]Konan Univ., Integrative Neurobio., [2]PRIME, AMED

PA-11 Roles of a TRP channel, TRP11, in mechanoresponses in *Chlamydomonas*

*KIMURA Miyu[1], SAGA Kosuke[1], OSHIMA Daichi[1], ITOH Neo[1], YOSHIDA Megumi[1], ISU Atsuko[2], WAKABAYASHI Kenichi[2], YOSHIMURA Kenjiro[1]

[1]Coll. Syst. Eng. Sci., Shibaura Inst. Technol., [2]Lab. Chem. Life Sci., Tokyo Inst. Technol.

PA-12 Functional hybrid receptor composed of GlyR and $GABA_AR$ subunits

*ANZAI Miku, KASHIMA Makoto, HIRATA Hiromi

Dept. Sci. Engineer., Aoyama Gakuin Univ.

PA-13 The effect of a peptide hormone, oxytocin, on a rat model of neuropathic pain

*OKUMURA Ryo[1], KATO Jun[1], IKEDA Tetsuya[2]

[1]Dept. of Psychol., Fac. of Health Sci., Kyoto Tachibana Univ., [2]Dept of Med. Tech. Sci, Fac. of Health Sci., Kyoto Tachibana Univ.

PA-14 Two distinct sex pheromone processing pathways in the American cockroach, from receptions to behaviors

*TATEISHI Kosuke[1,2], WATANABE Takayuki[3,4], DOMAE Mana[5], NISHINO Hiroshi[5], MIZUNAMI Makoto[4], WATANABE Hidehiro[1]

[1]Dept. Earth Syst. Sci., Fukuoka Univ., [2]Res. Fellowship Yng. Scientist DC2-PD, JSPS, [3]Res. Cent, Integr. Evol. Sci. / Sch. Adv. Sci., SOKENDAI-Hayama, [4]FSC., Hokkaido Univ., [5]Res. Inst. Electronic. Sci., Hokkaido Univ.

PA-15 **Analysis of the effect of SERT expression in *Lymnaea stagnalis* CGC on conditioned taste aversion learning**

*CHIKAMOTO Nozomi, NAKAI Junko, ITO Etsuro

Dept. Biol., Waseda Univ.

PA-16 **Efficient particle capturing by silkmoth antennal structure revealed by airflow visualization method**

*TANZAWA Kyohei[1], SHIGAKI Shunsuke[2], SAKURAI Takeshi[1]

[1]Fac. Agric., Tokyo Univ. Agric., [2]Grad. Sch. Eng. Sci., Osaka Univ.

PA-17 **RNA interference of clock genes indicates involvement of the circadian clock in the circa'bi'dian rhythm of the large black chafer *Holotrichia parallela***

*WATANABE Kohei, SHIGA Sakiko

Grad. Sch. Sci., Osaka Univ.

PA-18 **Species-specific diversity and multi-modal modulation of beacon aiming in ants**

*NOTOMI Yusuke[1,2], KAZAWA Tomoki[2], MAEZAWA So[1], KANZAKI Ryohei[2], NAMIKI Shigehiro[2], HAUPT Stephan Shuichi[2]

[1]Dept. Appl. Biol. Sci., Fac. Sci. & Tech., Tokyo Univ. Sci., [2]RCAST, Univ. Tokyo

PA-19 **Experimental setup of classical conditioning to identify magnetoreceptors in mole crickets**

*ENDO Tsubasa[1], ANDO Noriyasu[2]

[1]Grad. Sch. Eng., Maebashi Inst. Tech., [2]Dept. Life Eng., Maebashi Inst. Tech.

PA-20 **Analysis of leg movements for the initial oriented movements in escape response to airflow in crickets**

*RAZA Hamza[1], SHIDARA Hisashi[2], OGAWA Hiroto[3]

[1]Biosystem. Sci., Grad. Sch. Life Sci., Hokkaido Univ., [2]Dept. Biochem., Grad. Sch. Med., Mie Univ., [3]Dept. Bio. Sci., Fac. Sci., Hokkaido Univ.

PA-21 **Pigeons and crows use visual motion cues to guide their pecking**

*HATAJI Yuya, IZAWA Ei-ichi

[1]Dept. Psychol., Keio Univ.

PA-22 **Reproduction of early processes in the evolution of photosensory system by short-term selection of *C. elegans* optogenetically rendered photosensitive**

*SATO Ryu[1], NAGATA Takashi[2], KAWANO Taizo[3], MIYAZAKI Shinichi[3], HAYASHI Yu[3], TERAKITA Akihisa[1,4,5], KOYANAGI Mitsumasa[1,4,5]

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PA-23 Selective changes of evoked potentials of the inferior colliculus during echolocation by bats (*Pipistrellus abramus*)

*KIHARA Motoki, YOSHINO-HASHIZAWA Kazuki, HIRAGOCHI Midori, KOBAYASI Kohta I, HIRYU Shizuko

Grad. Sch. Life & Med. Sci., Doshisha Univ.

PA-24 Functional analysis of sex-determination-related genes in zebrafish

*KASHIMA Hitomi, KASHIMA Makoto, HIRATA Hiromi

Dept. Sci. Engineer., Aoyama Gakuin Univ.

PA-25 Ionotropic receptors for hygrosensation in the American cockroach

*AIZAWA Yuri[1], TATEISHI Kosuke[1,2], WATANABE Takayuki[3], WATANABE Hidehiro[1]

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PA-26 Possible involvement of allatotropin and SIFamide receptor in the brain-corpora allata axis in the nymph-adult transition in a cricket, *Modicogryllus siamensis*

*SHINOHARA Tsugumichi, GOTO Shinsuke

Glad. Sch. Sci. Dept. Biol. Geosci., Osaka City Univ.

PA-27 GABA-mediated neural mechanisms of song preference learning in flies

*IMOTO Keisuke[1], ASO Yoshinori[2], TANAKA Ryoya[1], KAMIKOUCHI Azusa[1,3]

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PA-28 Localization and changes of the transcription factor FOXO in the central nervous system of the pond snail *Lymnaea stagnalis*

*NAKAI Junko, ITO Etsuro

Dept. Biol., Waseda Univ.

PA-29 Expression patterns of photoreceptor genes in the tissue including the Bolwig organ of *Sarcophaga similis* larvae

*AE Masamichi, SHIGA Sakiko

Grad. Sch. Sci., Osaka Univ.

PA-30 Genomic and physiological analysis of the *Chlamydomonas* mutant *ppr3* defective in photophobic response

*TAKITA Yuya, ITOH Neo, YOSHIMURA Kenjiro

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PA-31 Mapping invisible area using insect exploratory behavior

*IKEDA Naoyuki[1], ANDO Noriyasu[2]

[1]Grad. Sch. Eng., Maebashi Inst. Tech., [2]Dept. Life Eng., Maebashi Inst. Tech.

PA-32 Role of abdominal movement in free flight of hawkmoth

*ARAFUNE Junnosuke[1], ANDO Noriyasu[2]

[1]Grad. Sch. Eng., Maebashi Inst. Tech., [2]Dept. Life Eng., Maebashi Inst. Tech.

PA-33 Functional analyses of cercal giant interneurons in the wind-elicited escape behavior

*INOUE Ryuto[1], CHIDA Hikaru[2], OGAWA Hiroto[3]

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PA-34 The effect of 5-HT on the trail formation in an ant *Pristomyrmex punctatus*

*MORIMOTO Tetsu, HOJO Masaru K.

Grad. Sch. Sci. Tech., Kwansei Gakuin Univ.

PA-35 Measurement of time difference between odorant arrivals by using multiple sensors based on insect antennae

*UCHIDA Tomoya[1], FUKUI Chihiro[2], SUKEKAWA Yuji[3], KANZAKI Ryohei[3], TERUTSUKI Daigo[4]

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PA-36 Analysis of the distributions of lipid molecules in the outer segments of vertebrate photoreceptor cells

*NISHIDA Nanaho[1], SENO Keiji[2], UEDA Masahiro[1], TACHIBANAKI Shuji[1]

[1]Grad. Sch. Frontier Biosci., Osaka Univ., [2]Dept. Biol., Fac. Med., Hamamatsu Univ. Sch. Med.

PA-37 Adiponectin and adiponectin receptor of the pond snail *Lymnaea stagnalis* are upregulated in the fasting condition

*FUJIMOTO Kanta[1], HATAKEYAMA Dai[2], ITO Etsuro[1]

[1]Dept. Biol., Waseda Univ., [2]Dept. Phar., Tokushima Bunri Univ.

PA-38 Innate color preferences of different seasonal forms of swallowtail butterfly

*NAKAI Nobutaka, KINOSHITA Michiyo

ESB, SOKENDAI

PA-39 Analysis of light-dependent behaviors with a pineal opsin, parapinopsin-mutant zebrafish

*YAMAMOTO Yuki[1], SAITO Tomoka[1], WADA Seiji[2,3], KOYANAGI Mitsumasa[1,2,3], TERAKITA Akihisa[1,2,3]

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PA-40 Increased urinary mesotocin concentrations in male-male social bonds formed by the forced triadic cohabitation in large-billed crows (*Corvus macrorhynchos*)

*SEGUCHI Akiko, IZAWA Ei-Ichi

Dept. Psych, Keio Univ.

PA-41 Exploring of an identified GABAergic interneurons in Bumble bee

*FUJIMOTO Ryota[1], WATANABE Hidehiro[2], MITSUHATA Masahiro[3], AI Hiroyuki[4]

[1]Dept. of Earth Sys. Sci., Fukuoka Univ., [2]Dept of Earth Sys. Sci., Fukuoka Univ., [3]Arysta LifeScience Corp., [4]Dept of Earth Sys. Sci., Fukuoka Univ.

PA-42 Spectroscopic and immunohistochemical characterization of a mammalian non-visual opsin Opn3

*TAKAKUSA Daigo1, SUGIHARA Tomohiro[2], KIYONARI Hiroshi[3], TERAKITA Akihisa[1,2,4], KOYANAGI Mitsumasa[1,2,4]

[1]Dept. Biol., & Geosci., Grad. Sch. Sci., Osaka City Univ., [2]Dept. Biol., Grad. Sch. Sci., Osaka Met. Univ., [3]RIKEN CBDR, [4]The OMU Adv. Res. Inst. Nat. Sci. Tech., Osaka Met. Univ.

PA-43 Generation of the transgenic line to elucidate the melanopsin-expressing retinal circuit regulating the background adaptation in zebrafish

*TAKEMAE Kazuhiko, KOJIMA Daisuke

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PA-44 Improvement of odor-orientation algorithm for odor source localization robots based on a bio-hybrid odor sensor

*FUKUI Chihiro[1], UCHIDA Tomoya[2], SUKEKAWA Yuji[3], KANZAKI Ryohei[3], TERUTSUKI Daigo[4]

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PB. Others: In-Person Presentation Required

PB-01 Real-time volumetric neuronal recoding by high-speed light-sheet microscopy

*TOMINA Yusuke[1], SHISHIDO Hikaru[1,2], MUKUMOTO Kazuki[1,2], TOYOSHIMA Yu[3], IINO Yuichi[3], MURAKAMI Yuko[4], OE Suzu[4], ISHIHARA Takeshi[5], MIKAMI Hideharu[1]

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PB-02 **Neural organization of the mushroom body in the swallowtail butterfly: from calyces to lobe**

*TAKAHASHI Naomi[1], NAMIKI Shigehiro[2], KINOSHITA Michiyo[1]

[1]Dept. Evol. Stud. Biosyst., Sch. Adv. Sci., Grad. Univ. Adv. Stud., SOKENDAI, [2] Res. Cent. Adv. Sci. Technol., Univ. Tokyo

PB-03 **Stride-based rapid and flexible neural computations for walking course control**

*FUJIWARA Terufumi[1,2], CHIAPPE Eugenia[2]

[1]CPR, RIKEN, [2]Champalimaud Ctr. the Unknown, Champalimaud Foundation

PB-04 **Inhibitory glutamatergic signals regulate photoperiodic responses of oviposition-promoting pars intercerebralis neurons in the bean bug *Riptortus pedestris***

*HASEBE Masaharu, SHIGA Sakiko

Dept. Biol. Sci., Grad. Sch. Sci., Osaka Univ.

PB-05 **Positive phototaxis and its functional significance in cicadas**

*SAKAI Masaki[1], NAKAHORI Kiyoshi[1], MINO Michinobu[1], WATANABE Hidehiro[2]

[1]Grad. Sch. Nat. Sci. Tech., Okayama Univ. [2]Dept. Earth Syst. Sci., Fukuoka Univ.

PB-06 **Dawn chorus in songbirds: a novel mechanism and function suggested by laboratory experiments in zebra finches**

*KOJIMA Satoshi[1], MORI Chihiro[2], MIZUGUCHI Daisuke[1], KIM Yunbok[1]

[1]Sens. & Mot. Sys. Res. Grp., Korea Brain Res. Inst., [2]Dept. Mol. Biol., Fac. Pharm. Sci., Teikyo Univ.

PB-07 **Incorporating ventilation variabilities into behavioral tests for drug effects on zebrafish**

*YOSHIDA Masayuki

Grad. Sch. Integrated Sci. for Life, Hiroshima Univ.

PB-08 **Putative neural mechanism for repellent effect of a native ant's odor on invasive species**

*UEBI Tatsuya[1,2], SAKITA Tomoya[1], SAKANISHI Keita1, ZHANG Zijian[3], MA Huiying[3], MATSUBARA Ryosuke[3], MATSUYAMA Shigeru[4], NAKAJIMA Satoko[5], HUANG Rong-Nan[6], HABE Shunya[1], HEFETZS Abraham[7], OZAKI Mamiko[1,2,8,9]

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PB-09 **Loss of αklotho causes reduced motor capability and short lifespan in zebrafish**

*HIRATA Hiromi, OGURA Yurie, KANEKO Ryoji, UJIBE Kota, WAKAMATSU Yuma, KASHIMA Makoto

Aoyama Gakuin Univ.

PB-10 **Morphology and local synaptic circuits of pigment-dispersing factor-immunoreactive (PDF-ir) neurons projecting to the lateral protocerebrum in the large black chafer, *Holotrichia parallela***

*HAMANAKA Yoshitaka[1], LU Zhiyuan[2], SHIGA Sakiko[1]

[1]Grad. Sch. Sci., Osaka Univ., [2]Dept Psychol. Neurosci., Life Sci. Ctr., Dalhousie Univ.

PB-11 **Bimodal central integration in olfactory receptor neurons**

*ZHOU Rui[1], SAKURAI Takeshi[2], KANZAKI Ryohei[1], NAMIKI Shigehiro[1], HAUPT Stephan Shuichi[1]

[1]RCAST, Univ. Tokyo, [2]Dept. Agr. Innov. Sust., Tokyo Univ. Agr.

PB-12 **Motor control on the outlet of urine expulsion in the crayfish, *Procambarus clarkii***

*KUROKAWA Makoto[1], KONDOU Hinako[1], YONEMITSU Kazuki[1,2]

[1]Dept. Biol. Sci., Tokyo Metropolitan Univ., [2]Grad. Sch. Pharm. Sci., Tohoku Univ. (present address)

PB-13 **Analyses of light-dependent behavior involving pineal photoreceptions using zebrafish larvae**

*WADA Seiji[1,2], KOYANAGI Mitsumasa[1,2], TERAKITA Akihisa[1,2]

[1]Grad. Sch. Sci., Osaka Metropolitan Univ., [2]OCARINA, Osaka Metropolitan Univ.

PB-14 **Physiological analyses of the novel signaling pathway in intrinsically photosensitive-retinal ganglion cells of mice**

*KOJIMA Daisuke[1], KIMATA Naoki[1], TORII Masaki[1], TANAKA Shodai[1], SUENAGA Shoichi[1], NAKAO Harumi[2], KOEBIS Michinori[2], AIBA Atsu[2], FUKADA Yoshitaka[1,2]

[1]Dept. Biol. Sci., Sch. Sci., Univ. Tokyo, [2]Sch. Med., Univ. Tokyo

PB-15 **The function of GABAergic signaling in an auditory neural circuit**

*OKAMOTO Ryuya[1], KODAKA Hina[1], KAMIKOUCHI Azusa[1,2]

[1]Grad. Sch, Sci., Nagoya Univ., [2]Grad. Sch. Life Sci., Tohoku Univ.

PB-16 **Multimodal interaction and information use in foraging ant workers**

TAZUHARA Yu, *HOJO Masaru K

Grad. Sch. Sci. Tech., Kwansei Gakuin Univ.

PB-17 A user-friendly support system for analyzing animal behaviors

*KIMURA Toshifumi[1], IKENO Hidetoshi[2], OHASHI Mizue[1], OKADA Ryuichi[3], OZAKI Mamiko[3,4,5], AI Hiroyuki[6], HABE Syunya[7], ISOKAWA Teijiro[1]

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PB-18 Comparative kinematic analysis of aperture adjustment to the target shape between pigeons and crows

*WADA Kenta, IZAWA Ei-Ichi

Dept. Psychol., Keio Univ.

PB-19 Opsins in the ocular and extraocular photoreceptors in the marine gastropod *Onchidium verruculatum*

*MATSUO Ryota[1], KOTOH Sanae[1], TAKISHITA Kiyotaka[1], SAKAMOTO Katsuhiko[2], UEBI Tatsuya[3], OZAKI Mamiko[3], MATSUO Yuko[1], NISHI Takako[4]

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PB-20 Neurons specialized for courtship licking in *Drosophila*

*KOGANEZAWA Masayuki[1], YAMAMOTO Daisuke[2]

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PB-21 Comparison of caste differences in brain dopamine levels during metamorphosis between two eusocial bee species

*ONUMA Takafumi, SASAKI Ken

Grad. Sch. Agric., Tamagawa Univ.

PB-22 Observation of the motor neurons activated during the foreleg movements induced by electrical stimulation in the praying mantis

*ENDO Koji[1], HOSODA Yutaka[2], YAMAWAKI Yoshifumi[2]

[1]Grad. Sch. Sys. Life Sci., Kyushu Univ., [2]Dept. Biol., Fac. Sci., Kyushu Univ.

PB-23 Transcriptome analyses of chemosensory receptor genes in the antennae of cockroaches and a cricket

*WATANABE Takayuki[1,2], NISHINO Hiroshi[3], WATANABE Hidehiro[4], TATEISHI Kosuke[4], MIZUNAMI Makoto[2]

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PB-24 Spectroscopic characterization of anthozoan opsins in a reef-building coral

*SAKAI Yusuke, KOYANAGI Mitsumasa, TERAKITA Akihisa

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PB-25 Acute toxicity of ammonia and nitrite to betta fish

*KAJIMURA Makiko, TAKIMOTO Kazuyuki, KOJIMA Ayama

Fac. of Edu., Wakayama Univ.

PB-26 Comparison of expression about octopamine and dopamine receptors in some organs of *Marsupenaeus japonicus*

*ITO Shin, TANAKA Kosuke

Fac. Health Sci., Kyorin Univ.

PB-27 Effect of bystander on aggressive interactions in crows

*AOTA Illia, IZAWA Ei-Ichi

Dept. Psychol., Keio Univ.

PB-28 Do babies smell good? Chemico-psychological scope of human neonates' odor

*YOSHIOKA Takuma[1], KOMETANI Atsushi[2], UEBI Tatsuya[1], YANASE Shihoko[3], NAGATA Yoshifumi[4], SUZUKI Kazunao[5], ISOMURA Naomi[5], KANAYAMA Naohiro[6], OHTSUBO Yohsuke[7], AIHARA Yoshiko[8], KOBAYAKAWA Tatsu[9], HARIYAMA Takahiko[10], OZAKI Mamiko[1,11,12]

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PB-29 Neuronal avalanche on dendrites of brain neurons in crayfish

*KAGAYA Katsushi[1], KUBOTA Tomoyuki[1], NAKAJIMA Kohei[1,2]

[1]Grad. Sch. Information Sci. Tech., Univ. Tokyo, [2]AI Ctr., Univ. Tokyo

PB-30 'Win–win' chemical defense in Brassicaceae acts on insect olfactory and gustatory systems to depress feeding behavior, limiting damage to both plants and insects

*OZAKI Mamiko[1,2], UEBI Tatsuya[1,2], TAKAGI Junpei[3,4], MIZUHO Somare[3], KUNIEDA Tadashi[3], UEDA Haruko[3], MAEDA Toru[2,5], HABE Shunya[2], YAMADA Kenji[5], HARA-NISHIMURA Ikuko[3]

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PB-31 The hoverfly *Episyrphus balteatus* as a neuroethological model for flower pollination and aphid detection

*SEKI Yoichi, OKABE Nobuki, YAMAMOTO Tatsuhiro, FUJIMOTO Naoya, YAMAUCHI Junji

Sch. Life Sci., Tokyo Univ. Pharm. Life Sci.

PB-32 Analysis of clock genes in the Ant *Camponotus japonicus*

*MORIYAMA Yoshiyuki

Dept. Nat. Sci., Kawasaki Med. Sch.

PA-33 Towards understanding the adaptive navigation control mechanisms in centipedes (*Scolopendra subspinipes mutilans*)

*YASUI Kotaro

Frontier Res. Inst. Interdisciplinary Sci., Tohoku Univ.

PC. Others: Online Presentation Required

PC-01 Head-tail-head neural circuit controls temperature acclimation via gut fat content in *C.elegans*

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PC-02 Histochemical investigation of the retinal ganglion cells in the retina of the larval and adult lampreys

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PC-03 Theoretical study on the temporal aspects of moth odor-source orientation model along turbulent plumes

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PC-04 The significance of carrying nectar fuel for foraging in a solitary bee *Andrena taraxaci orienticola*

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PC-05 Innexin gene transcripts in the central nervous system of the terrestrial slug *Limax valentianus*

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