Poster Session

Odd-number posters should be manned from 4 p.m. to 5 p.m on Sunday and Monday.
Even-number posters, from 5 p.m. to 6 p.m. on Sunday and Monday.

P1 **Neural adaptation in response to change in the musculo- skeletal system: A new primate model,** *Roland Philipp, Joachim Confais, Tomomichi Oya, Kazuhiko Seki*

P2 **Functional connectivity from superior parietal lobule and medial parietal cortex: a cortico-cortical evoked potential (CCEP) study,** *Masaya Togo, Riki Matsumoto, Hirofumi Takeyama, Katsuya Kobayashi, Akihiro Shimotake, Kiyohide Usami, Morito Inouchi, Takuro Nakae, Takeharu Kunieda, Susumu Miyamoto, Ryosuke Takahashi, Akio Ikeda*

P3 **Decoding agency grounded within the sensorimotor system: self-other action representation in the sensorimotor and the parietal cortices**, *Ryu Ohata, Tomohisa Asai, Hiroshi Kadota, Hiroaki Shigemasu, Kenji Ogawa, Hiroshi Imamizu*

P4 **Electromyographic activity reconstruction of ankle flexors and extensors from estimated cortical currents,** *Alejandra Mejia Tobar, Rikiya Hyoudo, Kahori Kita, Tatsuhiro Nakamura, Hiroyuki Kambara, Takashi Hanakawa, Yasuharu Koike, Natsue Yoshimura*

P5 **Role of left ventral precentral gyrus in apraxia of speech: documents with electrical cortical stimulation and focal resection,** *Mitsuhiro Sakamoto, Riki Matsumoto, Akihiro Shimotake, Takeharu Kunieda, Akio Ikeda*

P6 **Enhanced activity of specific pathway following the whisker sensory nerve injury,** *Hironobu Osaki, Yoshifumi Ueta, Mariko Miyata*

P7 **A modified rubber hand illusion paradigm that can induce different subjective states under the same conditions,** *Satoshi Unenaka, Satoshi Shibuya, Yukari Ohki*

P8 **Kinematics and muscle activity during bipedal and quadrupedal locomotion in the Japanese macaque**, *Yasuo Higurashi, Katsumi Nakajima, Akira Murata, Masahiko Inase*

P9 **The cerebrocerebellum contains a forward model to control voluntary arm movement,** *Takahiro Ishikawa, Shinji Kakei*

P10 **Single-unit activity of supplementary motor area during bipedal and quadrupedal locomotion in the Japanese macaque,** *Katsumi Nakajima, Yasuo Higurashi, Akira Murata, Masahiko Inase*

P11 **Animal model of spatial neglect in macaque monkeys,** *Masatoshi Yoshida, Kengo Tsujimoto, Masaki Fukunaga, Masahiro Sawada*

P12 **Maturation of cerebellar afferent and efferent tracts in typically developed brains: Diffusion study,** *Kaoru Amemiya, Tomoyo Morita, Daisuke N. Saito, Midori Ban, Koji Shimada, Yuko Okamoto, Hirotaka Kosaka, Hidehiko Okazawa, Minoru Asada, Eiichi Naito*

P13 **Functional mapping of praxis: Electrical cortical stimulation study,** *Akihiro Shimotake, Riki Matsumoto, Takeharu Kunieda, Akio Ikeda*

P14 **Divergent synergistic rubrospinal neurons are synchronized in a coordinated reach-to-grasp movement,** *Tomomichi Oya, Tomohiko Takei, Kazuhiko Seki*

P15 **Origins of premovement activity in the somatosensory cortex,** *Tatsuya Umeda, Yoko Nishihara, Michiaki Suzuki, Yumi Yamanishi, Tadashi Isa, Yukio Nishimura*

P16 **Distinct impairment of somatosensory and motor finger representations of focal task-specific dystonia - an fMRI decoding study,** *Satoshi Hirose, Kahori Kita, Shinichi Furuya, Takashi Hanakawa*

P17 **Plastic changes in the ventral premotor area after primary motor cortex lesion in macaque monkeys,** *Yumi Murata, Noriyuki Higo*

P18 **Distinctive representation of self and other' s body in the parietal mirror neuron system**, *Akira Murata, Kazutaka Maeda, Hiroaki Ishida, Katsumi Nakajima, Masahiko Inase*

P19 **Super-passive language mapping combining real-time oscillation analysis with coortico-cortical evoked potentials for awake craniotomy,** *Kyousuke Kamada, Yukie Tamura, Ryogo Anei*

P20 **Identification of a human standing controller from motion loci,** *Nobuyuki Murai, Tomomichi Sugihara*

P21 **Temporal dynamics of directional tuning and reference frames in human reaching task revealed with high-density EEG,** *Hirokazu Tanaka, Makoto Miyakoshi, Scott Makeig*

P22 **Proposal for a neural controller incorporating vestibular and proprioceptive sensory inputs,** *Ping Jiang, Ryosuke Chiba, Kaoru Takakusaki, Jun Ota*

P23 **Development of an immersive VR system for investigating bodily self-consciousness**, *Shin Nagamine, Shiro Yano, Yoshikatsu Hayashi, Toshiyuki Kondo*

P24 **Neuronal mechanisms represented in the functional networks of brain activities during visual-motor task,** *Xinzhe Li, Bruno C. Mota, Toshiyuki Kondo, Slawomir J. Nasuto, Yoshikatsu Hayashi*

P25 **Investigation of the contributions of muscle synergy and posture control in quadruped locomotion using a neuromusculoskeletal model,** *Misaki Toeda, Shinya Aoi, Soichiro Fujiki, Tetsuro Funato, Kazuo Tsuchiya, Dai Yanagihara*

P26 **Influence of sense of agency and sense of ownership on body representation change of human upper limb,** *Shunsuke Hamasaki, Qi An, Wen Wen, Yusuke Tamura, Hiroshi Yamakawa, Atsushi Yamashita, Hajime Asama, Satoshi Unenaka, Satoshi Shibuya, Yukari Ohki*

P27 **How agency influences ownership and body representation,** *Wen Wen, Atsushi Yamashita, Hajime Asama*

P28 **Evaluation of the intersegmental coordination of standing rat,** *Tetsuro Funato, Yota Sato, Dai Yanagihara, Yamato Sato, Soichiro Fujiki, Shinya Aoi, Kazuo Tsuchiya*

P29 **Nonpathological anxiety prediction using both sensor logs and application history of smartphones,** *Taku Ito, Yusuke Fukazawa, Tsukasa Okimura, Yuichi Yamashita, Takaki Maeda, Jun Ota*

P30 **Estimating interaction among rhythms using adaptive group lasso,** *Kazuki Koyama, Goto Takahiro, Toshio Aoyagi*

P31 **Power posing affects time discounting,** *Atsushi Hirota, Natsuki Oka, Hirofumi Hayakawa, Yukiko Nishizaki*

P32 **Muscle synergy analysis in human standing-up motion using different strategies,** *Ningjia Yang, Qi An, Hiroshi Yamakawa, Yusuke Tamura, Atsushi Yamashita, Hajime Asama*

P33 **Estimation of number of links in a body schema from a latent sensor distribution on a body map,** *Tomohiro Mimura, Yoshinobu Hagiwara, Tadahiro Taniguchi, Tetsunari Inamura*

P34 **Modeling of slow dynamics for locomotion : simulation of split-belt treadmill walking of a rat hindlimb neuromusculoskeletal model**, *Soichiro Fujiki, Shinya Aoi, Tetsuro Funato, Dai Yanagihara, Kazuo Tsuchiya*

P35 **A computational approach to detect a meta-learning of the cortical basis function,** *Daichi Sasaki, Jun Izawa, Masahiko Morita*

P36 **Postural control on movable inclined platform with synergic analysis,** *Ryosuke Chiba, Kaoru Takakusaki, Jun Ota*

P37 **Analysis of learning approach in the Keio task,** *Shiro Yano, Takaki Maeda, Toshiyuki Kondo*

P38 **Proprioceptors of muscular-skeletal humanoid for constructing body image,** *Koh Hosoda, Hirofumi Shin, Shuhei Ikemoto*

P39 **Improvement of operability of extra robotic thumb using tactile feedback by electrical stimulation**, *Yasuhisa Hasegawa, Masafumi Sobajima*

P40 **Effect of paired associative stimulation on model-based motor learning,** *Takuya Sasaki, Shin-ichi Tokushige, Satomi Terada, Yasuo Terao, Yoshikazu Ugawa, Masashi Hamada*

P41 **Improving dynamic embodied adaptability: A pilot study on slackline balance training,** *Kentaro Kodama, Hideo Yamagiwa, Yusuke Kikuchi*

P42 **Measurement of attentional modulation in space near hand using flash-lag effect,** *Kazumichi Matsumiya, Ryota Nishikawa, Ichiro Kuriki, Satoshi Shioiri*

P43 **Embouchure dystonia: a task-fMRI study to probe abnormal brain activity,** *Kazumasa Uehara, Shinichi Furuya, Kahori Kita, Takashi Sakamoto, Takashi Hanakawa*

P44 **White matter abnormalities in musician's dystonia,** *Kahori Kita, Kazumasa Uehara, Shinichi Furuya, Takashi Sakamoto, Takashi Hanakawa*

P45 **Effects of distortion correction on resting state functional connectivity in Parkinson' s disease,** *Hiroki Togo, Jaroslav Rokicki, Miho Murata, Nobuhiko Haga, Takashi Hanakawa*

P46 **Numerical expressions of temporal parameters for hexapedalism,** *Arito Yozu, Dai Owaki, Tetsuro Funato, Masashi Hamada, Takuya Sasaki, Hiroki Togo, Nobuhiko Haga*

P47 **Standing function evaluation system based on virtual light touch contact,** *Mami Sakata, Keisuke Shima, Koji Shimatani*

P48 **Time-frequency analysis of EEG mu-rhythm for self-paced and cue-triggered finger movement,** *Takuro Zama, Kazuya Kanekasu, Sotaro Shimada*

P49 **Effects of imitation of finger movement with illusory ownership on motor function in patients with chronic hemiplegia,** *Naoki Aizu, Tamami Sudo, Yutaka Oouchida, Shin-ichi Izumi*

P50 **Development of cloud-based sensorimotor pattern database for research on embodied-brain systems science,** *Tetsunari Inamura*

P51 **Direct rehabilitation method based on FES and EMG classification,** *Keisuke Shima, Koji Shimatani*

P52 **Categorization of gait patterns based on kinetic synergy in patients with hemiparesis due to stroke**, *Yusuke Sekiguchi, Dai Owaki, Keita Honda, Shin-Ichi Izumi*

P53 **Longitudinal white matter alteration in patients with prolonged consciousness disorder due to traffic accident-related brain injury,** *Hiroaki Abe, Keigo Shimoji, Takeo Kondo, Takanori Kochiyama, Yoshihide Nagamine, Satoru Fujiwara, Yutaka Oouchida, Shin-Ichi Izumi*

P54 **A pilot study of a prosthesis transforming sensory modalities for long-term walking rehabilitation in patients with hemiplegia,** *Dai Owaki, Yusuke Sekiguchi, Keita Honda, Akio Ishiguro, Shin-ichi Izumi*

P55 **Effect of conflict between motor intention and sensory feedback on periodic movement and subjective perception,** *Michihiro Osumi, Satoshi Nobusako, Shu Morioka*

P56 **Distorted bodily consciousness in apraxia,** *Satoshi Nobusako, Rintaro Ishibashi, Michihiro Osumi, Takuro Zama, Sotaro Shimada, Shu Morioka*

P57 **Long-term bidirectional control in the thalamo-prefrontal synaptic plasticity possibly commanding neurally ubiquitous "embodiment",** *Masatoshi Takita, Hiroshi Yokoi*

P58 **Distinct internal model of expert musicians**, *Yuta Furukawa, Shinichi Furuya*

P59 **Mental pressure de-orchestrates hand synergy in musical performance,** *Shuntaro Kotani, Shinichi Furuya*

P60 **Independence of kinesthetic short-term memory for movement and visuospatial short-term memory,** *Naofumi Tanaka, Haitao Wei, Shin-ichi Izumi*