新学術領域研究「人工知能と脳科学の対照と融合」ポスター演題
Scientific Research on Innovative Areas: Artificial Intelligence and Brain Science Poster Presentation List

<A01>
<計画班/ Planned Research Group>

A01-01　(Board No.1)
A Meta-Learning Perspective on Generative Query Network
Shohei Taniguchi, Yusuke Iwasawa, Yutaka Matsuo
(Dr. Matsuo group)

A01-02　(Board No.2)
Experimental and theoretical investigation of Bayesian inference across multiple layers in somatosensory cortex
Yuzhe Li, Kenji Doya
(Dr. Doya group)

A01-03　(Board No.3)
A whole-brain spiking neural network model linking basal ganglia, cerebellum, cortex and thalamus
Carlos Gutierrez, Jun Igarashi, Zhe Sun, Hiroshi Yamaura, Tadashi Yamazaki, Markus Diesmann, Jean Lienard, Heidarinejad Morteza, Benoit Girard, Gordon Arbuthnott, Hans Plesser, Kenji Doya
(Dr. Doya group)

A01-04　(Board No.4)
The dlPFC is more than conflict-based regulation: a tDCS study on the congruency sequence effect
Nan Li, Ying Wang, Fang Jing, Rujing Zha, Zengde Wei, Xiaochu Zhang, Keiji Tanaka
(Dr. Tanaka group)

<公募班/Publicly Research Group>

A01-05　(Board No.5)
Extended temporal association memory by modulations of inhibitory circuits
Tatsuya Haga, Tomoki Fukai
(Dr. Fukai group)

A01-06　(Board No.6)
Toward nonlinear dynamical representation learning and its application to analysis and prediction of the brain
Hiroshi Morioka
(Dr. Morioka group)

<A02>
<計画班/ Planned Research Group>

A02-01　(Board No.7)
Hierarchical Control Architecture for Humanoid Model
Koji Ishihara, Jun Morimoto
(Dr. Morimoto group)

A02-02   **(Board No.8)**
How does a convolutional neural network accomplish constancy of monocular self-motion velocity estimation?
Shinya Takamuku, Hiroaki Gomi
(Dr. Gomi group)

A02-03   **(Board No.9)**
Eye-hand coordination influences progress of motor learning and retrieving of motor memory
Naotoshi Abekawa, Hiroaki Gomi
(Dr. Gomi group)

A02-04   **(Board No.10)**
Neural network for estimating self-motion acquires spatiotemporal tuning similar to that of ocular following response
Daiki Nakamura, Hiroaki Gomi
(Dr. Gomi group)

A02-05   **(Board No.11)**
Multimodal contribution to modulation of quick feedback control of human
Sho Ito, Hiroaki Gomi
(Dr. Gomi group)

A02-08   **(Board No.23)** ← 5/10
The inhibition of voluntary muscle relaxations depends on similar mechanisms to the inhibition of muscle contractions
Jack De Havas, Sho Ito, Hiroaki Gomii
(Dr. Gomi group)

A02-06   **(Board No.12)**
Roles of the primate orbitofrontal cortex and midbrain dopamine neurons in value-to-decision transformation
Mengxi Yun, Takashi Kawai, Masafumi Nejime, Hiroshi Yamada, Masayuki Matsumoto
(Dr. Matsumoto group)

A02-07   **(Board No.13)**
Causal role of the subthalamic nucleus in executive functions
Tadaaki Nishioka, Kosuke Hamaguchi, Satoshi Yawata, Takatoshi Hikida,
Dai Watanabe
(Dr. Hikida group)

<A03>
<計画班/ Planned Research Group>

A03-01   **(Board No.14)**
Extended Double Articulation Analyzer for Integrative Unsupervised Word Discovery
Yasuaki Okuda, Hiroaki Murakami, Ryo Ozaki, Akira Taniguchi, Tadahiro Taniguchi
(Dr. Taniguchi group)

A03-02   **(Board No.15)**
Simultaneous Learning of Self-positions and Words by Probabilistic Generative Models and Inference Networks
Kaede Hayashi, Tomoharu Iwata, Tadahiro Taniguchi
(Dr. Taniguchi group)

A03-03   **(Board No.16)**
Analysis of impairments in the information integration process in Schizophrenia using neural network models
Ryogo Nakashiba, Akio Murakami, Naoto Iwahashi, Yoshinobu Hagiwara,
Tadahiro Taniguchi, Hidehiko Takahashi
(Dr. Taniguchi group)

A03-04   (Board No.17)

Neuro-computational mechanisms for deciding with predicting others
Ning Ma, Norihiro Harasawa, Kenichi Ueno, Noritaka Ichinohe, Masahiko Haruno,
Kang Cheng, Hiroyuki Nakahara
        (Dr. Nakahara group)

A03-05   (Board No.18)

Chemogenetic Inactivation Using Double Virus Vector Infection Reveals the
Function of the Macaque Prefronto-striatal Pathway
Mineki Oguchi, Shingo Tanaka, Xiaochuan Pan, Takefumi Kikusui, Keiko Moriya-Ito,
Shigeki Kato, Kazuto Kobayashi, Masamichi Sakagami
        (Dr. Sakagami group)

A03-06   (Board No.19)

Abnormal semantic network in the schizophrenia brain: an encoding modeling and
graph theoretic approach.
Yukiko Matsumoto, Satoshi Nishida, Shuraku Son, Akio Murakami, Naganobu
Yoshikawa, Ryusuke Hayashi, Shinji Nishimoto, Hidehiko Takahashi
        (Dr. Takahashi group)

A03-07   (Board No.20)

In Schizophrenia top-down signals are strong in visual information processes.
Akio Murakami, Mohamed Abdelhack, Kei Majima, Fan Cheng, Yukiyasu Kamitani,
Hidehiko Takahashi
        (Dr. Takahashi group)

<公募班/Publicly Research Group>

A03-08   (Board No.21)

3D video analysis of social behavior in ASD related gene mutant mice
Jumpei Matsumoto, Shogo Nakashima, Tomoyuki Yoshida, Hiroshi Nishimaru,
Koki Mimura, Hisashi Mori, Hironori Izumi, Taketoshi Ono, Hisao Nishijo
        (Dr. Mimura group)

A03-09   (Board No.22)

Construction and evaluation of neuro-computational models of natural language
Yohei Oseki
        (Dr. Oseki group)

Poster presentation（ポスター発表について）

最大ポスターサイズ：幅 90cm ×高さ 180cm

ポスター発表者リストと会場レイアウト図にて、ポスター掲示指定番号をご確認ください。

対応するポスターボードにポスターを掲示ください。

押しピンは事務局にてご用意いたします。

ポスター掲示は、5 月 14 日 17 時以降に掲示できます。ポスター発表終了後、21 時までに、速やかに剥がしていただき、お持ち帰りください。

Maximum poster size: Width 90cm, Height 180cm

Please see the presenters' list and the layout of the meeting room.

Please verify your poster number from the poster presenters' list. Be sure to identify the appropriate board number for your poster.

Thumbtacks will be available onsite for mounting the posters.

Posters may be set up after 17:00 on May 14 and have to be removed before 21:00 as soon as the session is finished.