| Poster Number | Authors | Poster Title |
|---|---|---|
| P1 | JEANNE BARTHELEMY, BENOIT GIRARD, BRUNO DELORD | BETA RHYTHM MODULATION BY EXPLORATION AND EXPLOITATION IN A MODEL OF THE MONKEY CORTICO-BASO-THALAMO-CORTICAL LOOP |
| P2 | Ayan Chakraborty | Probabilistic Inference in Spiking Neural Networks |
| P3 | Michele Chan, Yuichi Takeuchi | Increased impulsive decision-making resulting from inhibition of the prefrontal cortices in Long-Evans rats. |
| P4 | Jianning Chen, Masakazu Taira, Kenji Doya | Continuous Strategy Drift and Discrete Switching Driven by Environment and Internal State in Meta-Learning |
| P5 | Mizuki Fujibayashi, Kentaro Abe | Transformer-augmented approaches reveal vocal sequence communication in songbird |
| P6 | Masayuki Fukuda, Yoshihito Saito, Yasuhiro Oisi, Chie Matsubara, Kenta Kobayashi, Masanori Murayama | Cortex-wide voltage dynamics predict behavioral outcomes during somatosensory detection |
| P7 | Razvan GAMANUT, Carlos Enrique GUTIERREZ, Kenji DOYA | A computational bottom-up, mesoscale approach for the study of the claustrum dynamics |
| P8 | Yiyuan Teresa Huang, Yuan-Yuan Chen, Shigeta Fujitani, Seijiro Shimada, Shinsuke Koike, Naoto Kunii, Nobuhito Saito, Zenas C. Chao | High-Frequency Activity Encodes the Temporal Dynamics of Hierarchical Prediction Errors in Humans: An Electrocorticography Study |
| P9 | Hayato Idei, Yuichi Yamashita | Development of a Digital Brain Model to Infer Predictive Processing Dynamics from Electrocorticogram Data |
| P10 | Fumiya Imamura, Hiroto Imamura, Reiko Hira, Yoshikazu Isomura, Riichiro Hira | Distributed Cortical Population Dynamics Encode Ground Tilt and Postural Control |
| P11 | Hiroto Imamura, Fumiya Imamura, Reiko Hira, Yoshikazu Isomura, Riichiro Hira | Flexible independent and coherent timing codes in fronto-parietal cortex |
| P12 | Keiju Kanda, Masahiro Suzuki | Cross-Subject Neural Mapping with a Multimodal Variational Autoencoder |
| P13 | Yusaku Kasai, Kenji Doya | Toward a Unified Cortical Model Based on Predictive Coding: Integrating Action Intention, Context, Sensory Inputs, and Motor Control |
| P14 | Ayaka Kato, Hironobu Nakamura, Shunsuke Takagi, Motoki Inaji, Hidehiko Takahashi | Intracranial investigation of autobiographical memory and episodic future thinking |
| P15 | Kosei Kobayashi, Kentaro Abe | Application of generative language model to the syllable sequences of birdsongs |

| Poster Number | Authors | Poster Title |
| --- | --- | --- |
| P16 | Rieko Kubo, Mitsuhito Ueda, Tomoya Nakai, Tetsuya Matsuda, Hidehiko Takahashi | Exploring representational patterns of language processing in schizophrenia using LLM-based encoding models |
| P17 | Takazumi Matsumoto, Kentaro Fujii, Shingo Murata and Jun Tani | Active Inference with Dynamic Planning and Information Gain in Continuous Space by Inferring Low-Dimensional Latent States |
| P18 | Kevin Max, Ismael Jaras, Arno Granier, Katharina A. Wilmes, Mihai A. Petrovici | »Backpropagation and the Brain« realized in Cortical Error Neuron Microcircuits |
| P19 | Akiko Yamada, Yoshihiko Kunisato, Yoshihisa Fujita, Jun Miyata | Association between Jumping to Conclusions and Bias Against Disconfirmatory Evidence: A Computational Study of Evidence Weighting |
| P20 | Shinnosuke Mizuno, Rie Kimura, Kenichi Ohki | Auditory context-dependent modulation of visual contrast category representations across distributed cortical networks in rats |
| P21 | Henrique Oyama, Jun Tani | Autonomous Transitions Between Focused Attention and Mind-Wandering under the Free Energy Principle |
| P22 | Jong-Yun Park and Hidehiko Takahashi | Silent but Heard: Neural Reconstruction of Sound from Silent Movies |
| P23 | Louis Roberts, Robin Ince, Andres-Canales-Johnson, Misako Komatsu | Transmission and integration of visual information in marmoset fixations |
| P24 | Kazushi Shinagawa, Hayato Idei, Satoshi Umeda, Yuichi Yamashita | Data-Driven Modeling of Brain-Body Interactions During Interoceptive Attention Using Hierarchical Variational RNN |
| P25 | Chenyi Song and Kentaro Abe | A telecommunication system to investigate contingent feedback during social communication in zebra finches |
| P26 | Yusuke Suzuki, Ryosuke Nishino, Yuichiro Gyoten, Natsumi Higa, Yuma Okada, Hiroyuki Okuno and Itaru Imayoshi | Data-driven discovery of association rules from multi-modal whole-brain imaging in mice |
| P27 | Yuta Takahashi, Takafumi Soda, Hiroaki Tomita, Yuichi Yamashita | Bridging Connectomes to Behavior: Functional Digital Twin Brain for Predicting Individual Treatment Response |
| P28 | Masafumi Takaji, Misako Komatsu | Behavioral performance decoding from whole lateral cortical activity in common marmosets |
| P29 | Yuki Tanimoto, Makio Torigoe, Tanvir Islam, Toshiyuki Shiraki, Hisaya Kakinuma, Merlin Lange, Takuya Isomura, Hitoshi Okamoto | Future state prediction error activates pallidum output neurons to destabilize behavioral states for goal-directed state transition |
| P30 | Ukyo T. Tazawa, Ken Nakae, Teppei Ebina, Masanori Matsuzaki, Kenji Doya, Takuya Isomura | A theory to unify brain dynamics across scales: from single neurons to behavior |

| Poster Number | Authors | Poster Title |
|---|---|---|
| P31 | Enrico Trombetta, Takashi Kohno | Towards a New Baseline Algorithm for Monosynaptic Network Reconstruction |
| P32 | Yamada, T. & Samejima, K. | Nonlinear influence of Reward Volatility on Arbitration Between Multiple Learning Strategies Reflects Cost-Benefit Optimization |
| P33 | Naohiro Yamauchi, Yuzhe Li, Ryusei Abo and Kenji Doya | Neural implementation of Bayesian inference and control as inference in the somatosensory and primary motor cortices addressed by a variable-resistance lever push-pull task |
| P34 | Yaron A, Shiramatsu-Isoguchi T, Kern FB, Ohki K, Takahashi H, Chao ZC | Omission-evoked errors reveal the brain's predicted tones |
| P35 | Megumi Yoshihara, Takuya Isomura | Imagine generation in active inference via mental-action based reconstruction of transition matrices |