Poster Session Program

Jan 7, 2015

21:00 - 23:00

1 Locally Imbalanced Network Excitability Drives Memory Replay
Norimoto H, Mizunuma M, Tao K, Egawa T, Hanaoka K, Sakaguchi T, Hioki H, Kaneko T, Yamaguchi S, Nagano T, Matsuki N, Ikegaya Y

2 Distinct types of hippocampal sharp-wave ripples reflect reward expectation and acquisition in on-site behaving rats / 行動中ラットにおける２種類の海馬鋭波リップルは報酬期待と報酬獲得を反映する
Samura T[1,2], Saiki A[2], Aizawa H[3], Aihara T[2], Isomura Y[2], Sakai Y[2]
(1. Yamaguchi Univ, 2. Tamagawa Univ, 3. Tokyo Medical and Dental Univ)

3 Canceled

4 Cross-frequency coupling of hippocampal oscillations in primates
Mima T, Takeuchi S, Murai S, Shimazu H, Isomura Y, Tsujimoto T

5 Canceled

6 The study of learning criterion with temporal cognition task: peak interval procedure in rats
Sakata S, Ujita A, Hattori M (Hiroshima Univ)

7 Robust representation of the view expectation during active navigation
Shikauchi Y, Ishii S (Kyoto Univ)

8 A hierarchical statistical model of natural images explains tuning properties in V2
Haruo Hosoya (ATR/JST), Aapo Hyvarinen (Univ Helsinki)

9 Resting state network dynamics predict individual switch frequencies in bistable perception
Fukuda Megumi[1], Ryota Kanai[2, 3], Spas Getov[1], Maren Urner[1], Takamitsu Watanabe[1], Geraint Rees[1]
(1. University College London 2. University of Sussex 3. Araya Braing Imaging)

10 行動-報酬タイミング依存シナプス可塑性のシグナル伝達モデル
浦久保秀俊 (京大)

11 Experience-dependent facilitation of mouse empathetic behavior 経験に基づくマウス共感行動の促進
Sakaguchi T, Okamoto K, Abe R, Ikegaya Y (Univ Tokyo) **坂口哲也**, 岡本和樹, 阿部麗実, 池谷裕二(東大)

12 A corpus-based language model explains distributed semantic representation in the human brain
Satoshi Nishida[1], Shinji Nishimoto[1,2] (1. CiNet/NICT, 2. Osaka Univ)

13 Gamma-QCL: Learning multiple goals with a gamma-submodular model-free reinforcement learning framework
Reinke C, Uchibe E, Doya K (Okinawa Institute of Science and Technology)

14 "Computational principles of the neocortex and Linguistic universals: An structural analogy
大脳新皮質の計算原理と言語普遍性:構造的類比"
寺島裕貴 (NTT/東大), 岡田真人 (東大/理研BSI)

15 A novel stop-signal task to explore inhibitory function in operant learning to habituation process
Yoshida J, Saiki A, Yamanaka K, Sakai Y, Isomura Y (Tamagawa Univ)

16 Spike count variance of MT neurons is consistent with a bottom-up explanation of decision-related response modulation
Suda Y[1], Kumano H[2], Sasaki R[3], Uka T[4] (1. Univ Tokyo, 2. Osaka Univ, 3. Univ Rochester, 4. Juntendo Univ)

17 Firing properties of first order INs in the spinal cord of monkey performing wrist flexion-extension task with an instructed delay period
Saeka TOMATSU, Kazuhiko SEKI

18 Subliminal enhancement of predictive effects during syntactic processing in the left inferior frontal gyrus: An MEG study
Iijima K[1-4], Sakai KL[1, 2] (1. Univ Toyko, 2. CREST, 3. Tamagawa Univ, 4. JSPS)

19 Modulation of spinal motor output by initial arm postures in anesthetized monkeys
Hiroaki Yaguchi (NCNP) , Tomohiko Takei (NCNP), David Kowalski (Drexel Univ), Takafumi Suzuki (NICT), Kunihiko Mabuchi (Univ. Tokyo), **Kazuhiko Seki** (NCNP)

20 The pupil dynamics predict human task performance prior to the execution
Noriya Watanabe

21 Seeing the manipulated object improves temporal estimation of its inertial force
Takamuku S, Gomi H (NTT Communication Science Labs.)

22 Altered awareness of action in Parkinson's Disease
Saito N[1], Takahata K[2], Yamakado H[1], Sawamoto N[1], Saito S[1], Takahashi R[1], Murai T[1], Takahashi H[1], et al.
(1.Kyoto Univ, 2.National Institute of Radiological Sciences)

23 How is reward of others added to make one's own decision in neural mechanisms?
Fukuda H, **Ma N**, Suzuki S, Harasawa N, Ueno K, Gardner JL, Ichinohe N, Haruno M, Cheng K, Nakahara H

24 Dual Reward Prediction Components Yield Pavlovian Sign- and Goal-Tracking
Sivaramakrishnan Kaveri, Hiroyuki Nakahara

25 The deliberation of decision making towards optimal choice
Noha Mohsen Zommara[1], Martha Espinoza[1], Hiroshi Nishida[1], Muneyoshi Takahashi[2], Johan Lauwereyns[1,2]
(1. Kyushu Univ, 2. Tamagawa Univ)

26 スパイク発火の位相限局を用いたMT野注意制御モデルのノイズ相関分析
長野祥大[1], 渡邊紀文[2], 青山敦[1] (1. 慶大, 2. 東京工科大)

27 Diverse cross-frequency coupling on a neural network with dynamic synapses
Takumi Sase, Yuichi Katori, Kazuyuki Aihara (University of Tokyo)

28 Dynamical theory of cell and synaptic assemblies
Katori Y, Aihara K (Univ Tokyo)

29 Reconstruction of network structure using avalanche dynamics
Leleu T, Aihara K (IIS, University of Tokyo)

30 "Short-term memory ability on a recurrent neural network with dynamic synapses
動的シナプスを含むリカレントニューラルネットワークの短期記憶性能"
森竜太, 香取勇一, 合原一幸

31 機械的リズムへの適応が生み出すエージェント幻想とその神経基盤
高橋英之, 守田知代, 伴碧, 浅田稔(大阪大学) 内藤栄一(CiNet) 下條信輔(Caltech)

32 Point process modeling of perceptual switching
松田孟留[1], 北城圭一[2], 山口陽子[1,2], 駒木文保[1,2] (1. 東京大, 2. 理研)

33 A predictive approach for identifying interactions in neuron-glia systems
Nakae K, Ikegaya Y, Ishikawa T, Oba S, Urakubo H, Koyama M, Ishii S

34 存在感対話メディアを用いたソーシャルタッチ効果の理解
住岡英信 (ATR), 港隆史(ATR), 石黒浩（ATR,大阪大学）

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Poster Session Program

Jan 8, 2015

20:00 - 23:00

1	Cortico-cortical top-down inputs during NREM sleep consolidate tactile memory **Miyamoto D**[1-4], Inutsuka A[2], Kamoshida A[1], Boehringer R[1], Odagawa M[1], Matsuki N[3], McHugh TJ[1], Yamanaka A[2], Murayama M[1] (1. RIKEN BSI, 2. Nagoya Univ, 3. Univ Tokyo, 4. JSPS)
2	Top-down and bottom-up circuits for sensory perception **Masanori Murayama** (RIKEN BSI)
3	Resting-state large-scale EEG phase synchrony networks associated with functional information processing in humans: An ischemic stroke study **Keiichi Kitajo**, Yutaka Uno, Teiji Kawano, Noriaki Hattori, Megumi Hatakenaka, Ichiro Miyai
4	Phase Amplitude Coupling in Audio-Visual Speech Matching Task **Ohki T**[1,2], Gunji A[2,3], Takei Y[4], et al. (1. Univ Tokyo, 2. National Centre of Neurology and Psychiatry, 3. Yokohama National Univ, 4 Gunma Univ)
5	Analysis of input features extracted by contrastive divergence learning in restricted Boltzmann machines **Karakida R**[1], Okada M[1,2], Amari S[2] (1. Univ Tokyo, 2. RIKEN BSI)
6	Inference of other's mind and mentalization in non-cooperative game: an fMRI study **Ogawa A** (The University of Tokyo), Yokoyama R (Tohoku University), Hirayama I (The University of Tokyo), Kameda T (The University of Tokyo)
7	Age-dependent diversity of spontaneous synchrony in dissociated cortical network **Yuichiro Yada**, Takeshi Mita, Ryohei Kanzaki, Hirokazu Takahashi (Univ Tokyo)
8	Band-specific phase modulation following acoustic trauma in rat auditory cortex **Wake N**, Shiramatsu T.I, Kanzaki R, Takahashi H (Univ Tokyo)
9	Neural correlates of feeling unreal and striatal dopamine receptors 横川啓太, 伊藤岳人, 須原哲也, **山田真希子** (放医研)
10	A new psychophysical method for bimodal perceptual response **Sawai K**[1], Sato Y[2], Aihara K[3], Nakajima Y[1] (1. Kyushu Univ, 2. UEC, 3. Univ Tokyo)
11	Whole-brain as network among cognitive functions / 認知機能間ネットワークとしての全脳情報処理システム **倉重宏樹**[1,2,3], 山下祐一[3], 大須理英子[4], 大高洋平[1,2], 花川隆[3], 本田学[3], 川畑秀明[1] (1. 慶應大, 2. 東京湾岸リハ病院, 3. 国立精神神経医療研究センター, 4. ATR)
12	幼児の語意学習における統語ブートストラップモデル **河合祐司**, 大嶋悠司, 笹本勇輝, 長井志江, 浅田稔 (阪大)
13	Actor-criticアルゴリズムにおける効率的方策学習のための状態価値関数の学習 **横山裕樹**, 浅田稔 (阪大)
14	視覚探査課題における妨害刺激の予測性が注意関連脳波電位に与える影響 **内藤友貴,** 小松陽, 垣本悠太, 荒木修 (東京理科大)
15	視覚探索課題における刺激呈示タイミング予測性がターゲット誘発N2pcに与える影響 **小松陽**, 内藤友貴, 垣本悠太, 荒木修 (東京理科大)
16	アメリカ市場における映画公開初週末の興行収入予測 Predicting weekend box office results in the USA **岡崎将司**(琉球大), 長坂龍一郎(東工大), 宮田龍太(琉球大) **Masashi Okazaki** (Univ Ryukyus), Ryuichiro Nagasaka (Tokyo Tech.), Ryota Miyata (Univ Ryukyus)
17	Connectedness and numerosity underestimation in sets in which some of the elements induce Kanizsa subjective contours **Kirjakovski A**, Matsumoto E (Kobe Univ)
18	The influence of emotional priming on the recognition process of unfamiliar faces **Matsumoto E** (Kobe Univ), Naito T (Osaka Univ)
19	Electrophysiological measures of working memory maintenance during visual search **Kawashima T**, Matsumoto E (Kobe Univ)
20	Prediction of lever pressing using hippocampal activity in rats: A support vector machine and template matching approach **Tanaka N**[1,2], Aonishi T[2], Capi G[1], Kawahara S[1] (1. Univ Toyama, 2. Tokyo Inst. Tech.)
21	Preceding auditory cue modulates wind-elicited walking behavior in the cricket. **Fukutomi M**, Someya M, Ogawa H (Hokkaido Univ)
22	Toward the identification of neural patterns of limb selection using ongoing activity even before target representation **雨宮薫**, 井澤淳, 牛場潤一, 大須理英子
23	Relative spatial frequency tuning of neurons in primary visual cortex and human perception **Naito T**, Sato H (Osaka Univ)
24	感性空間を用いた芸術作品に対する感性の定量評価 **若林正浩**, 北口正敏, 内藤智之 (大阪大学)
25	電子顕微鏡連続切片画像のZ方向超解像 **内橋堅志**, 大羽成征, 石井信 (京都大学)
26	対向者とのすれ違いにおけるパーソナルモビリティの半自律回避制御と搭乗者の視線分析 **渡邊紀文**[1], 吉岡裕彬[2], 宮本賢良[2], 今仁順也[1] (1. 東京工科大, 2. 慶大)
27	脳腫瘍摘出前後にみられた経時的な高次脳機能の変化と関連脳部位の同定–VLSMを用いて **仁木千晴**[1], 熊田孝恒[2], 丸山隆志[1], 田村学[1], 新田雅之[1], 村垣善浩[1], 岡田芳和[1] (1. 東京女子医大, 2. 京大)
28	情報理論を用いた大相撲取組の分析 **具志堅尚敬**, 宮田龍太 (琉球大)
29	集団的攻撃行動の脳・ネットワーク解析 **高見享佑**[1], 春野雅彦[1,2] (1.阪大, 2.NICT)
30	Beta power suppression in early delay period reveals volatile representation in updating action sequence in the primate supplementary motor complex **Hosaka R** (Fukuoka Univ), Nakajima T (Tohoku Univ), Aihara K (Univ Tokyo), Yamaguchi Y (RIKEN), Mushiake H (Tohoku Univ)
31	自己顔処理における右半球下前頭頭頂ネットワークの優位性 **守田知代**[1, 2], 浅田稔[1], 内藤栄一[2] (1. 大阪大学, 2. NICT CiNet)
32	fNIRSによる機能的電気刺激に対する脳活動の時間的推移に関する検証 **大平美里**[1], 神澤朋子[2], 森下壮一郎[1], 姜銀来[1], 山村修[3], 横井浩史[1] (1. 電気通信大学, 2. 福井県済生会病院, 3. 福井大学)
33	脳活動と筋電時系列に着目した自己成長型筋電義手の開発 **粕谷昌宏** (電気通信大学), 加藤龍 (横浜国立大学), 横井浩史 (電気通信大学)

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