発表者へのご案内/For Presenters

1. **特別講演、教育講演、シンポジウムでの発表者/For Special Lecturer, Educational lecturer, Symposists**

【会場/Venue】　　　University Concert Hall2016　Marble

【日時/Date&Time】特別講演　　　9月7日16:45-17:45　座長挨拶、発表時間、質問時間を含む

特別講演　　9月7日16:45-17:45　座長挨拶、発表時間、質問時間を含む

教育講演1　　9月7日10:35-11:30　座長挨拶、発表時間、質問時間を含む

教育講演2　　9月8日9:35-10:30　座長挨拶、発表時間、質問時間を含む

シンポジウム1　　　9月7日14:30-16:30

シンポジウム2　　　9月8日10:30-12:30

シンポジウムでは4人の講演者に発表いただきます。

各発表者の発表時間は25分、質問時間5分です。

発表方法の詳細は別途本人にご連絡いたします。

2. **フラッシュトーク / Flash Talk**

【会場/Venue】　　　University Concert Hall2016　Marble

【日時/Date&Time】9月7日（金）Sept 7th (Fri) 11：40-12：30

【発表時間/Presentation】

発表時間は1人 100秒厳守（パワーポイント、PDFにてスライド1枚を9月1日までに事務局まで事前提出）、質問時間なし。発表順は、演題番号の順（各抄録の左上に記載あるAで始まる演題番号）で行います。フラッシュトーク発表者は11時30分にConcert Hall 2016 Marble会場左手通路に演題番号順に並んでください。

Each presentation should be less than 100 seconds and there will be no question time. The presenters should submit a single-page slide in .ppt or .pdf format to the meeting office until Sep 1st. The order of the presentation is according to the abstract number starting with "A". The presenters should wait their turn by lining up in the order of presentation at the left passage in the Concert Hall 2016 Marble at 11:30.

3. **優秀口演・奨励賞口演発表 / Session for Selected Oral Presentation and Young Investigator's Awardee**

【会場/Venue】　　　University Concert Hall2016　Marble

【日時/Date&Time】9月8日 Sept 8th, 13:30-14:45

優秀口演は、トーク希望者から選考委員の審査結果により選ばれた方に行っていただきます。奨励賞は、選考委員の審議により決定し閉会式で授与されます。また奨励賞受賞者は口演発表も行っていただきます。発表時間は各8分＋質問時間2分を予定しています。プレゼン資料はマイクロソフトパワーポイントもしくはPDFで作成し発表30分以上前に、発表事務局にファイルを持ち込みディスプレーテストを完了してください。

A few selected abstracts will be presented in the session of Selected Oral Presentation. The Young investigators awardee will also present their work in the same session. The allotted time is 8 min for presentation and 2 min for question and comments. The presenters should prepare the presentation file in Microsoft power point or PDF file and should bring their file to the meeting office to test the display compatibility at least 30 min prior to their presentation.

4. ポスター発表 / Poster Presentation

【会場/Venue】　　　ELF Study　Hall2015　５Ｆ フロアー/Floor

演題番号により下記会場に分かれて掲示してください。Please find the room number for the poster presentation by your abstract numbers.

　　　　　　　　　　・ポスター会場１（ELF517）　演題番号 A1 から A20 番まで
　　　　　　　　　　・ポスター会場２（ELF519）　演題番号 A21 から A40 番まで
　　　　　　　　　　・ポスター会場３（ELF522）　演題番号 A41 から A47 番まで
　　　　　　　　　　・ポスター会場４（ELF523）　演題番号 A48 から A55 番まで
　　　　　　　　　　・ポスター会場５（ELF524）　演題番号 A56 から A67 番まで
　　　　　　　　　　・Poster Room 1 （ELF517）　Abstract number A1 to A20
　　　　　　　　　　・Poster Room 2 （ELF519）　Abstract number A21 to A40
　　　　　　　　　　・Poster Room 3 （ELF522）　Abstract number A41 to A47
　　　　　　　　　　・Poster Room 4 （ELF523）　Abstract number A48 to A55
　　　　　　　　　　・Poster Room 5 （ELF524）　Abstract number A56 to A67

【示説時間/Presentation time】

発表者は演題番号によって下記により指定された発表時間においてポスター前で発表を行ってください。

Presenters should present his/her work in front of the poster during the allotted time below.

　　　　9月7日（金）Sep 7th, 13:30～14:30　演題番号偶数の発表 Presentation of Even Number
　　　　9月8日（土）Sep 8th, 14:45～15:45　演題番号奇数の発表 Presentation of Odd Number

【貼付・撤去時間/Posting and taking off】

発表者は下記の時間にポスター貼付および撤去を行ってください。

Presenters should post and remove their posters at the time below.

　　　貼付 Posting：　　　　　9月7日（金）Sep 7th 9:00 to 9:30
　　　撤去 Removing：　　　　9月8日（土）Sep 8th 15:45 to 16:00

＊撤去時間が過ぎても残っているポスターは、事務局にて処分いたしますので、予めご了承ください。

　　Please note that any posters remaining left after that will be discard by the meeting office

【ポスター準備方法/Preparation of Posters 】

ポスターパネルの大きさは縦 160cm×横 90cm ですので、このパネルに収まるようポスターを作成ください。またパネル左上部に、演題番号を事務局側で貼付していますので該当するパネルにポスターを掲示してください。演題番号部分の大きさは縦 15ｃm×横 21ｃmですので、パネル全面の大きなポスターを作成する際には演題番号部分を考慮してください。画鋲は各パネルに備え付けてある紙カップ内のものをご使用ください。

The poster panel is in a size of H 160cm x W 90cm, so please prepare your posters to fit this panel. Also the abstract number will be shown on a H15cm x W 21cm sheet which will be posted at the upper left corner of the panel. Please take account of this space if you need to make your poster as large as possible in the panel. The office will also prepare thumbtacks in the paper cup to be used for posting.

★フラッシュトーク/Flash Talk
✳優秀口演/Selected Oral Presentation
❀若手奨励賞/Young Investigator Award

A1. Social networking service usage is related to personality and resting state brain functional connectivity★

Kazuma Mori [1]、Masahiko Haruno [1]
[1]Center for Information and Neural Networks (CiNet), National Institute of Information and Communications Technology (NICT)

A2. Associations between atypicality in local neural retainability and core symptoms of autism✳

Takamitsu Watanabe[1,2], Geraint Rees[1,3], Naoki Masuda[4]
[1], Institute of Cognitive Neuroscience, University College London, 17 Queen Square, London, WC1N 3AZ, UK.
[2], RIKEN Centre for Brain Science, 2-1 Hirosawa, Wako, Saitama, 351-0198, Japan.
[3], Wellcome Trust Centre for Human Neuroimaging, University College London, 12 Queen Square, London WC1N 3BG, UK.
[4], Department of Engineering Mathematics, University of Bristol, Woodland Road, Clifton, Bristol BS8 1UB, UK.

A3, Neural processing for social value conversion into value-based decision

Haruaki Fukuda[1, 2, 3], Ning Ma[1, 2], Shinsuke Suzuki[1, 2, 4, 5], Norihiro Harasawa[1, 2], Kenichi Ueno[2, 6], Justin L Gardner[7, 8], Noritaka Ichinohe[9], Masahiko Haruno[10], Kang Cheng[5, 11], Hiroyuki Nakahara[1, 2, 12]
[1] Laboratory for Integrated Theoretical Neuroscience, RIKEN Brain Science Institute, [2] Laboratory for Integrated Theoretical Neuroscience, RIKEN Center for Brain Science, [3] Department of General System Studies, The University of Tokyo, [4] Frontier Research Institute for Interdisciplinary Sciences, Tohoku University, [5] Institute of Development, Aging and Cancer, Tohoku University, [6] Support Unit for Functional Magnetic Resonance Imaging, RIKEN Brain Science Institute, [7] Department of Psychology, Stanford University, [8] Laboratory for Human Systems Neuroscience, RIKEN Brain Science Institute, [9] Department of Ultrastructural Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, [10] Center for Information and Neural Networks, National Institute of Information and Communication Technology, [11] Laboratory for Cognitive Brain Mapping, RIKEN Brain Science Institute, [12] Department of Intelligence Science and Technology, Kyoto University

A4. Neural correlates of recognition of other's inference of own belief in competitive strategic choices

Akitoshi Ogawa[1,2,3], Tatsuya Kameda[4, 2]
[1]Department of Neurophysiology, Juntendo University School of Medicine, [2]Brain Science Institute, Tamagawa University, [3]Labratory for Symbolic Cognitive Development, RIKEN Center for Biosystems Dynamics Research, [4]Department of Social Psychology, The University of Tokyo

A5. Developmental changes of connectivity in action observation network during gestural interaction

Yuko Okamoto[1,2], Ayumi Seki[3], Ryo Kitada[4], Hisakazu T Yanaka[5], Takanori Kochiyama[1,2], Tatsuya Koeda[6]
[1]Advanced Telecommunications Research Institute International, [2]ATR-Promotions Brain activity imaging center, [3]Hokkaido University, [4]Nanyang Technological University, [5]Tottori University, [6]National Center for Child Health and Development

A6. Association between the concentration of GABA in the right DLPFC and social preference

Takayuki Fujii[1], Atsushi Miyazaki[1], Muneyoshi Takahashi[1], Toru Ishihara[1], Hiroki Tanaka[1], Hideto Kuribayashi[2], Haruto Takagishi[1], Tetsuya Matsuda[1]
[1]Tamagawa University Brain Science Institute, [2]Siemens Healthcare KK Japan

A7. COMT genotype affect cortical thickness and surface area abnormalities in boys with ADHD
- Machine learning and imaging genetics approach to ADHD -★

Minyoung Jung[1], Yoshifumi Mizuno[2], Takashi X. Fujisawa[1], Shinichiro Takiguchi[2], Hirotaka Kosaka[1,2,3], Akemi Tomoda[1,2]
[1]Research Center for Child Mental Development, University of Fukui, Eiheiji, Fukui, JAPAN
[2]Department of Child and Adolescent Psychological Medicine, University of Fukui Hospital, Fukui, JAPAN
[3]Department of Neuropsychiatry, University of Fukui, University of Fukui, Eiheiji, Fukui, JAPAN

A8. Switching social behavior in response to a social norm: A multi-modal imaging study using the Human Connectome Project (HCP) pipeline and a large-scale sample★

Hiroki Tanaka[1], Atsushi Miyazaki[1], Haruto Takagishi[1], Takayuki Fujii[1], Toru Ishihara[1], Kei Kanari[1], Kuniyuki Nishina[1], Muneyoshi Takahashi[1], Toshio Yamagishi[2], Tetsuya Matsuda[1]
[1]Tamagawa University Brain Science Institute, [2]Hitotsubashi University

A9. Neural mechanisms for decision-making with predicting others in human

Ning Ma:1; Norihiro Harasawa:1; Kenichi Ueno:2; Noritaka Ichinohe:3; Masahiko Haruno:4;　Kang Cheng:2,5;　Hiroyuki Nakahara:1
1: Lab For Int Theor Neurosci, RIKEN CBS, Japan; 2: fMRI Support Unit, RIKEN CBS, Japan; 3: Dept of Ultrastructural Res, Natl Inst of Neurosci, NCNP, Japan; 4: Center for Info and Neural Networks, NICT, Japan; 5: Lab for Cognitive Brain Mapping, RIKEN CBS, Japan

A10. Childhood sports activity predicts later-life inhibitory control: A multimodal MRI study using HCP-style paradigm★

Toru Ishihara[1], Atsushi Miyazaki[1], Haruto Takagishi[1], Takayuki Fujii[1], Kei Kanari[1], Kuniyuki Nishina[1], Muneyoshi Takahashi[1], Hiroki Tanaka[1], Toshio Yamagishi[1,2], Tetsuya Matsuda[1]
[1]Tamagawa University Brain Science Institute, [2]Hitotsubashi University

A11. 自分の声らしさ知覚とその神経的基盤の探究

保坂太志[1]、木村真理乃[2]、四本裕子[2]
[1]東京大学教養学部統合自然科学科、[2]東京大学総合文化研究科

A12. The Neural Basis of Legal Judgment: MRI Experiment on the Legal Mind

Takeshi Asamizuya, Ai Takahashi, Hiroharu Saito, Ryosuke Higuchi, Go Naruse, Shozo Ota, Junko Kato
Graduate Schools for Law and Politics, The University of Tokyo

A13. 書字トレーニング時の複数回 MRI 撮像による脳機能・脳構造可塑性の検討★

牟田光孝[1]、岡ノ谷一夫[2]、細田千尋[1, 2, 3]
[1]東京医科歯科大学医歯学総合研究科、[2]東京大学総合文化研究科、[3]JST さきがけ

A14. 運動準備中における時間知覚の歪みに関する神経基盤

岩﨑美帆[1,3,4]、野口泰基[1]、柿木隆介[2]
[1]神戸大学大学院人文学研究科心理学研究室、[2]生理学研究所システム脳科学研究領域統合生理研究部門、[3]理化学研究所健康生き活き羅針盤リサーチコンプレックス推進プログラム新規計測開発チーム、[4]理研 BDR-ダイキン工業連携センター

A15. Duration-tuned neural populations in the right parietal cortex mediate subjective experience of time✹

Masamichi J. Hayashi [1,2], Richard B. Ivry [2]
[1]Global Center for Medical Engineering and Informatics, Osaka University, [2]Department of Psychology, University of California, Berkeley.

A16. Distinct VTA connectivity networks in schizophrenia and affective disorders

Yuko Nakamura[1], Naohiro Okada[2], Kingo Sawada[2], Kazusa Ohta[3]、Akira Kunimatsu[3]、Kiyoto Kasai[2], Shinsuke Koike[4]
1) UTokyo Center for Integrative Science of Human Behavior, Graduate School of Arts and Sciences, The University of Tokyo.
2) Department of Neuropsychiatry, Graduate School of Medicine, The University of Tokyo.
3) Institute of Medical Science, University of Tokyo
4) University of Tokyo Institute for Diversity & Adaptation of Human Mind (UTIDAHM).

A17. 統合失調症における戦略的推論能力の障害と脳灰白質体積の関係

早瀬允人、森康生、村井俊哉、高橋英彦
京都大学大学院 医学研究科 脳病態生理学講座 精神医学教室

A18. Classifying individuals with autism spectrum disorder and schizophrenia based on their neuroanatomical indices★

Walid Yassin[1], Yinghan Zhu[2], Hironori Nakatani[2], Masaki Kojima[1], Keiho Owada[1], Hitoshi Kuwabara[3], Naohiro Okada[4],

Wataru Gonoi[5], Hidemasa Takao[5], Kiyoto Kasai[4], Yukiko Kano[1], Osamu Abe[5], Hidenori Yamasue[3], Shinsuke Koike[6]
1 Department of Child Neuropsychiatry, Graduate School of Medicine, The University of Tokyo
2 Center for Evolutionary Cognitive Sciences, Graduate School of Arts and Sciences, The University of Tokyo
3 Department of Psychiatry, Hamamatsu University School of Medicine
4 Department of Neuropsychiatry, Graduate School of Medicine, The University of Tokyo
5 Department of Radiology, Graduate School of Medicine, The University of Tokyo
6 University of Tokyo Institute for Diversity & Adaptation of Human Mind (UTIDAHM)

A19. Associations of diffusion-tensor fractional anisotropy and outcome assessments after cerebral infarction

Tetsuo Koyama MD, PhD [1,2], Yuki Uchiyama MD, PhD [2]; Kazuhisa Domen MD, PhD
[1]Department of Rehabilitation Medicine, Nishinomiya Kyoritsu Neurosurgical Hospital
[2]Department of Rehabilitation Medicine, Hyogo College of Medicine

A20. 老年期うつ病のドーパミントランスポーターイメージング・

守屋洋紀 [1]、増岡孝浩 [1]、坂寄健 [1]、金禹瑞 [1]、新貝慈利 [1]、舘野周 [1]、大久保善朗 [1]

日本医科大学大学院　精神・行動医学

A21. A modality-independent semantic map revealed by a novel cross-modal encoding modeling analysis

Hiroto Q. Yamaguchi [1, 2], Tomoya Nakai [1, 2], Shinji Nishimoto [1, 2, 3]
[1]Center for Information and Neural Networks (CiNet), National Institute of Information and Communications Technology (NICT), Japan
[2]Graduate School of Frontier Biosciences, Osaka University, Japan
[3]Graduate School of Medicine, Osaka University, Japan

A22. Dynamic reconfiguration of default-mode submodules associates with memory-encoding performance. ★

Keerativittayayut R.[1], Aoki R.[2], Jimura K.[3, 4], Nakahara K.[1, 3]
[1]Sch of Information, [2]Res Inst for Future Design, [3]Res Cent for Brain Commun, Kochi Univ of Technol; [4]Dept of Biosciences and Informatics, Keio Univ.

A23. 急性ストレス下における安静時機能的結合の動的変化

北脇　真岐 [1,3], Mauricio Delgado[2] and 春野　雅彦 [3,1]

[1] 大阪大学大学院　生命機能研究科　生命機能専攻　 [2] Department of Psychology, Rutgers University

[3] 国立研究開発法人　情報通信研究機構　脳情報通信融合研究センター

A24. Fluctuations in global network topology of modeled and empirical functional connectivity★

Makoto Fukushima [1, 2], Olaf Sporns [2, 3]
[1]Center for Information and Neural Networks (CiNet), National Institute of Information and Communications Technology (NICT), [2]Department of Psychological and Brain Sciences, Indiana University, [3]Indiana University Network Science Institute

A25. Attentional bias towards sad stimuli at acute mental fatigue state. ★

Kyosuke Watanabe [1,3], Akihiro T. Sasaki [1,2,4], Kanako Tajima [2], Kei Mizuno [1,2,4], Yasuyoshi Watanabe [1,2,4]
[1]Laboratory for Pathophysiological and Health Science, RIKEN Center for Biosystems Dynamics Research, [2]RIKEN Compass to Healthy Life Research Complex Program, and Departments of [3]Physiology and [4]Medical Science on Fatigue, Osaka City University Graduate School of Medicine

A26. Neural mechanisms of fatigue sensation induced by re-experiencing: a magnetoencephalography study.

Emi Yamano [1]、 Akira Ishii [2]、 Masaaki Tanaka [3]、 Yasuyoshi Watanabe [4,5]
[1] Health Metrics Development Team, RIKEN Compass to Healthy Life Research Complex Program, [2] Department of Sports Medicine, Osaka City University Graduate School of Medicine, [3] Department of Physiology, Osaka City University Graduate School of Medicine, [4] RIKEN Center for Biosystems Dynamics Research, [5] RIKEN Compass to Healthy Life Research Complex Program

A27. Age-dependent changes of structure, myelin and neurite in adult human cerebral cortex✹

Akihiro T. Sasaki[1,3,4,6], Hikaru Fukutomi[2], Kyosuke Watanabe[1,5], Yusuke Morito[3], Kanako Tajima[3], Kyoko Ebisu[3], Miho Iwasaki[3], Kei Mizuno[1,3,4,6], Takuya Hayashi[2,3], Yasuyoshi Watanabe[1,3]
[1]Laboratory for Pathophysiological and Health Science, [2]Brain Connectomics Imaging, RIKEN Center for Biosystems Dynamics Research, [3]RIKEN Compass to Heathy Life Research Complex Program, [4]Department of Medical Science on Fatigue, [5]Physiology, Osaka City University Graduate School of Medicine, [6]Osaka City University Center for Health Science Innovation.

A28. Improved functional sensitivity of the amygdala using multi-echo EPI and the evoked response based HRF at 7 Tesla✶

Uksu Choi[1,2], Toshiko Tanaka[1,2], Masahiko Haruno[1,2], Ikuhiro Kida[1,2]
[1]Center for Information and Neural Networks, National Institute of Information and Communications Technology, [2]Graduate School of Frontier Biosciences, Osaka University

A29. Neural impact of native language literacy during speech processing of non-native language

Dinh Ha Duy Thuy[1], Aila Johanna[1], Hidenao Fukuyama[1], Kimihiro Nakamura[1,2]
[1]Human Brain Research Center, Kyoto University Graduate School of Medicine
[2]Section of Systems Neuroscience, National Rehabilitation Center Research Institute

A30. 記録メディアによって想起時に異なる脳活動

梅島奎立 [1]、茨木拓也 [2]、山﨑崇裕 [2]、酒井邦嘉 [1]
[1]東京大学大学院総合文化研究科、[2]株式会社 NTT データ経営研究所

A31. Decoding of novel music-genres based on the spectro-temporal modulation property in the superior temporal gyrus★

Tomoya Nakai[1,2], Naoko Koide-Majima[3], and Shinji Nishimoto[1,2,4]*
[1]Center for Information and Neural Networks, National Institute of Information and Communications Technology, Japan, [1]Graduate School of Frontier Biosciences, Osaka University, Japan, [3]Brother Industries LTD, Japan, [4]Graduate School of Medicine, Osaka University, Japan

A32. Transient feedforward and feedback signals involved in visual awareness★

湯淺健一 [1,2]，竹村浩昌 [1,2]，本吉勇 [3]，天野薫 [1,2]
[1]情報通信研究機構　脳情報通信融合研究センター，[2]大阪大学大学院生命機能研究科，[3]東京大学大学院総合文化研究科

A33. Spatiotemporal Organization of Systems-level Effects of tES Techniques Applied to Visual Cortex During Visual Task

Keishi Nomura [1], Shuhei Shima [1], Kristina M Visscher [2], Aaron Seitz [3], Yuko Yotsumoto [1]
[1]Department of Life Sciences, The University of Tokyo, [2]Department of Neurobiology, The University of Alabama at Birmingham, [3]Department of Psychology, The University of California, Riverside

A34. Visual white matter tracts in Leber's hereditary optic neuropathy: diffusion and quantitative MRI study

Hiromasa Takemura[1,2] *, Shumpei Ogawa[3,4] *, Aviv Mezer[5], Hiroshi Horiguchi[3], Atsushi Miyazaki[6], Kenji Matsumoto[6], Keigo Shikishima[3], Tadashi Nakano[3], & Yoichiro Masuda[3]
[1]Center for Information and Neural Networks (CiNet), NICT, [2]Grad School of Frontier Biosci., Osaka University,
[3]Dept Ophthalmology, The Jikei University of Medicine, [4]Dept Ophthalmology, Atsugi city hospital,
[5]The Edmond and Lily Safra Center for Brain Science, The Hebrew University of Jerusalem, Israel,
[6]Brain Science Institute, Tamagawa University. *: These authors contributed equally.

A35. Cortical dynamics for compensating visual orientation sensitivity bias★

Hui-Ning Wu [1], Yuji Ikegaya [2,3], Hiroshi Ban[1,3]
[1] Graduate School of Frontier Biosciences, Osaka University, Japan. [2] Graduate School of Pharmaceutical Sciences, The University of Tokyo, Japan. [3] Center for Information and Neural Networks (CiNet), NICT, Japan

A36. Insula shows different activation profiles for initial taste detection and aftertaste discrimination while tasting coffee

Muneyoshi Takahashi[1], Takayuki Fujii[1], Atsushi Miyazaki[1], Toru Ishihara[1], Hiroki Tanaka[1], Shinsuke Shimojo[1,2,3], Tetsuya Matsuda [1]
[1]Tamagawa University Brain Science Institute, [2]Division of Biology and Biological Engineering, [3]Computation & Neural Systems, California Institute of Technology

A37．痛み体験と痛みの共感に関わる神経活動のマルチボクセルパターン解析

横川啓太 [1]、小島一歩 [1]、平野成樹 [1]、小畠隆行 [2]、須原哲也 [1]、山田真希子 [1]
[1]放射線医学総合研究所　脳機能イメージング研究部、[2]放射線医学総合研究所　分子イメージング診断治療研究部

A38. キャンセル

A39. Motor engram is encoded in dormant neuronal network★

Sho K. Sugawara[1,2], Masaki Fukunaga[1,2], Yuki H. Hamano[1], Takaaki Yoshimoto[1,2], Norihiro Sadato [1,2]
[1]Division of Cerebral Integration, National Institute for Physiological Sciences (NIPS), Okazaki, Japan, [2]Department of Physiological Sciences, SOKENDAI (The Graduate University for Advanced Studies), Hayama, Japan

A40. Magnetic Resonance Axonal and Myelin Volume Fraction-Based Connectome Analysis in Parkinson's Disease

Christina Andica[1], Koji Kamagata[1], Taku Hatano[2], Keigo Shimoji[1, 3], Wataru Uchida[1], Yuki Takenaka[1, 4], Asami Saito[1], Takashi Ogawa[2], Genko Oyama[2], Haruka Takeshige[2], Yashushi Shimo[2], Masaaki Hori[1], Atsushi Umemura[5], Nobutaka Hattori[2], Shigeki Aoki[1]
[1]Department of Radiology, Juntendo University Graduate School of Medicine, [2]Department of Neurology, Juntendo University School of Medicine, [3]Department of Radiology, Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology, [4]Department of Radiological Sciences, Graduate School of Human Health Sciences, Tokyo Metropolitan University, [5]Department of Neurosurgery, Juntendo University School of Medicine

A41. Cortical representation of skilled finger sequences in humans★

Atsushi Yokoi[1], Jörn Diedrichsen[2]
[1]Center for Information and Neural Networks, National Institute of Information and Communications Technology, Japan, [2]The Brain and Mind Institute, University of Western Ontario, Canada

A42. Visualization of the subcortical nuclei in Parkinson's disease and related disorders with 7-tesla MRI

Atsushi Shima[1], Nobukatsu Sawamoto[1,2], Koji Furukawa[1], Daisuke Kambe[1], Akira Nishida[1], Haruhi Sakamaki[1], Ikko Wada[1], Kenji Yoshimura[1], Dinh Ha Duy Thuy[3], Koji Fujimoto[3], Tomohisa Okada[3], Ryosuke Takahashi[1]
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A43．パーキンソン病のすくみ足と相関する安静時大脳基底核機能結合の変容

東口大樹 [1]、若杉憲孝 [1]、坂本崇 [2]、村田美穂 [2]、花川隆 [1]
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A44. Neural correlates with temporal prediction during auditory-motor synchronisation★

Kohei Miyata[1], Tetsuya Yamamoto[1], Takahiko Koike[1], Sho Sugawara[1], Masaki Fukunaga[1], and Norihiro Sadato [1]
[1]Department of System Neuroscience, National Institute for Physiological Sciences

A45. Local-to-distant development of cerebrocerebellar sensorimotor network in typically developing brain★

Kaoru Amemiya[1], Tomoyo Morita[1,2], Daisuke N. Saito[3,4,5], Midori Ban[6], Koji Shimada[3,4], Yuko Okamoto[3,7], Hirotaka Kosaka[3,4,8], Hidehiko Okazawa[3,4], Minoru Asada[1,2], and Eiichi Naito[1,9]
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Fukui, [4]Biomedical Imaging Research Center, University of Fukui, [5]Research Center for Child Mental Development, Kanazawa University, [6]Graduate School of Engineering Science, Osaka University, [7]ATR promotions, [8]Department of Neuropsychiatry, Faculty of Medical Sciences, University of Fukui, [9]Graduate School of Frontier Biosciences, Osaka University

A46. 経頭蓋磁気刺激に対する脳波の位相応答

小野島隆之 [1]、岡崎由香 [1]、北城圭一 [1]

[1]国立研究開発法人理化学研究所　脳神経科学研究センター　理研 CBS-トヨタ連携センター

A47. MEG time-resolved meta decoding improves performance by using State Information ★

Fumiya Nakai [1,2], Okito Yamashita [2]

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A48. Effect of the number of EEG electrodes on the multi-class and binary classifications of cortical current sources

Alejandra Mejia Tobar [1,2]、Yousuke Ogata [1]、Kahori Kita [3]、Tatsuhiro Nakamura [2]、Hiroyuki Kambara [1]、Takashi Hanakawa[2]、Yasuharu Koike[1,2]、Natsue Yoshimura [1,2]

[1]Institute of Innovative Research, Tokyo Institute of Technology, [2]Department of Advanced Neuroimaging, Integrative Brain Imaging Center, National Center of Neurology and Psychiatry, [3]Center for Frontier Medical Engineering, Chiba University

A49. Machine Learning Approaches Providing A Protential Diagnosis of Schizophrenia★

Yinghan Zhu[1], Hironori Nakatani[1], Walid Yassin[2], Naohiro Okada[3], Osamu Abe[4], Hidenori Yamasue[5], Kiyoto Kasai[3], Shinsuke Koike[6]

1Center for Evolutionary Cognitive Sciences, Graduate School of Arts and Sciences, The University of Tokyo; 2Department of Child Neuropsychiatry, Graduate School of Medicine, The University of Tokyo; 3 Department of Neuropsychiatry, Graduate School of Medicine, The University of Tokyo; 4 Department of Radiology, Graduate School of Medicine, The University of Tokyo; 5Department of Psychiatry, Hamamatsu University School of Medicine; 6University of Tokyo Institute for Diversity & Adaptation of Human Mind (UTIDAHM)

A50. Transforming T1w anatomy into functional space using full brain IR-EPI for high-resolution fMRI at 7T★

Adnan Shah [1], Takashi Ueguchi [1], Guoxiang Liu [1]

Laboratory of Brain Function Analysis and Imaging, CiNet, NICT, Suita-Shi, Osaka, Japan

A51. Improving tissue contrast and segmentation of MPRAGE based anatomical imaging at UHF 7T MRI★

Adnan Shah, Takashi Ueguchi, Guoxiang Liu

Laboratory of Brain Function Analysis and Imaging, CiNet, NICT, Suita-Shi, Osaka, Japan

A52. 拡散 MRI に基づく淡蒼球内節・外節の自動セグメンテーションに関する検討

奥畑志帆 [1]、古橋直也 [1]、東高志 [1]　中井隆介 [2]　小林哲生 [1]

[1]京都大学　大学院工学研究科、[2]こころの未来研究センター

A53. Does Diffusion Tensor Model Predict Neurite Distribution of Cerebral Cortical Gray Matter? – Cortical DTI-NODDI

Hikaru Fukutomi[1,2], Katsutoshi Murata[3], Matthew Glasser[4], Thai Akasaka[2], Koji Fujimoto[2], Takayuki Yamamoto[2], Joonas A. Autio[1], Tomohisa Okada[2], Kaori Togashi[2], Hui Zhang[4], David Van Essen[4], Takuya Hayashi[1,5]

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A54. 3D Synthetic MRI-based Volumetry の初期検討：再現性および従来法との比較

藤田翔平 [1]、萩原彰文 [1,2]、堀正明 [1]、下地啓五 [3]、高須康平 [4]、後藤政実 [4]、Christina Andica[1]、前川朋子 [1,2]、入江隆介 [1,2]、鎌形康司 [1]、和田昭彦 [1]、青木茂樹 [1]

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A55. 加齢に伴う脳室拡大と隠れた水頭症：BOLD ラグマップ法による観察

麻生俊彦 [1,2]・浦山慎一 [2]
京都大学医学研究科　1)精神科神経科、2)脳機能総合研究センター

A56. Evaluation of Double Injection Method for FDG PET Brain study

Edmond Chen[1], Asuka Kikuchi[1], Akie Inami[1], Fairuz Binti Mohd Nasir[2], Attayeb Mohsen[1,3,4], Shoichi Watanuki[1], Masayasu Miyake[2], Kazuko Takeda[1], Kotaro Hiraoka[1], Kazuhiko Yanai[1,3], Hiroshi Watabe[2], Manabu Tashiro[1]

[1]Divisions of Cyclotron Nuclear Medicine and [2]Radiation Safety, Cyclotron and Radioisotope Center, Tohoku University, Sendai, Japan; [3]Dept. Pharmacology, Tohoku University Graduate School of Medicine, Sendai, Japan

A57. Positron Emission Tomography Tracer for AMPA receptors Characterizes Neuropsychiatric Disorders in Human★

Mai Hatano[1], Waki Nakajima[1], Yusuke Shibata[1], Tetsu Arisawa [1], Tomoyuki Miyazaki[1], Takuya Takahashi[1*]
[1] Yokohama City University Graduate School of Medicine, Department of Physiology, Yokohama, 236-0004, Japan.

A58. 脳の臨界現象と知能★

江崎貴裕 [1, 2]，Elohim Fonseca dos Reis[3]，渡部喬光 [4, 5]，榊美知子 [6, 7]，増田直紀 [3]

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A59. Striatal subdivisions interacting with multiple cerebrocortical networks

Akitoshi Ogawa[1], Takahiro Osada[1], Masaki Tanaka[1], Masaaki Hori[2], Shigeki Aoki[2,3,4], Aki Nikolaidis[5], Michael P Milham[5], Seiki Konishi[1,3,4]
[1]Department of Neurophysiology, Juntendo University School of Medicine, [2]Department of Radiology, Juntendo University School of Medicine, [3]Research Institute for Diseases of Old Age, Juntendo University School of Medicine, [4]Sportology Center, Juntendo University School of Medicine, [5]Center for the Developing Brain, Child Mind Institute

A60. Head Motion Suppression Using A Bite-bar System For Human MRI Scans

Kenji Haruhana[1], Chisato Suzuki[2], R. Allen Waggoner[1], Keiji Tanaka[1,2], Kenichi Ueno[2]
[1]Laboratory for Cognitive Brain Mapping, Center for Brain Science, RIKEN
[2]Support Unit for functional Magnetic Resonance Imaging, Research Development Division, Center for Brain Science, RIKEN

A61. Impact of low-frequency rTMS to the medial frontal cortex on mood and affect in monkeys.

Shinya Nakamura, Ken-Ichiro Tsutsui
Laboratory of Systems Neuroscience, Tohoku University Graduate School of Life Sciences

A62. Resting state functional corticostriatal connectivity in Parkinsonian monkeys

Joonas A. Autio[1], Takayuki Ose[1], Kantaro Nishigori[1], Noboyoshi Tanki[1,2], Jun Takahashi[3], Matthew F. Glasser[4,5], Takuya Hayashi[1]
[1]Center for Biosystems Dynamics Research, RIKEN, Kobe, Japan. [2]Okayama University, Okayama, Japan
[3]Kyoto University, Kyoto, Japan. [4]Department of Neuroscience, Washington University, St. Louis, MO, United States
[5]St. Luke's hospital, St. Louis, MT, United States

A63. Dopaminergic modulation of functional connectome in anesthetized macaque monkeys★

Kantaro Nishigori[1, 2], Takayuki Ose[1], Masahiro Ohno[1], Masataka Yamaguchi[1], Joonas Autio[1], Atsushi Yoshida[1], Toru Negishi[2], Shunsuke Nakazawa[2], Naoko Urushino[2], Junji Ichihara[2] and Takuya Hayashi[1]
[1]RIKEN Center for Biosystems Dynamics Research, Kobe, Japan, [2]Sumitomo Dainippon Pharma Co., Ltd, Osaka, Japan

A64. Translating Human Connectome Project to Marmoset Imaging☀

Yuki Hori [1], Joonas Autio [1], Masahiro Ohno [1], Yoshihiko Kawabata [2], Yuta Urushibata [3], Katsutoshi Murata [3], Akihiro Kawasaki [1], Chiho Takeda [1], Chihiro Yokoyama [1], Masataka Yamaguchi [1], Atsushi Yoshida [1], Matthew F Glasser [4, 5], David Van Essen [4], Takuya Hayashi [1]
[1]Laboratory for Brain Connectomics Imaging, RIKEN Center for Biosystems Dynamics Research, [2]Takashima Seisakusho Co. Ltd., [3]Siemens Healthcare Japan, [4]Department of Anatomy and Neurobiology, Washington University in St. Louis, [5]St. Luke's Hospital

A65. Development of a 24-Channel Multi-Array Coil for functional MRI at 3T in awake macaques

Atsushi Yoshida[1], Yuki Hori[1], Kantaro Nishigori[2], Masahiro Ohno[1], Yoshihiko Kawabata[3], Yuta Urushibata[4], Katsutoshi Murata[4], Masataka Yamaguchi[1], Joonas Autio[1], Matthew F Glasser[5, 6], Takuya Hayashi[1]
[1]Laboratory for Brain Connectomics Imaging, RIKEN Center for Biosystems Dynamics Research, [2]Dainippon Sumitomo Pharm Co. Ltd., [3]Takashima Seisakusho Co. Ltd., [4]Siemens Healthcare Japan, [5]Department of Anatomy and Neurobiology, Washington University in St. Louis, [6]St. Luke's Hospital

A66. Neural dynamics of recurrent active vision

Takaaki Kaneko[1,2], Misako Komatsu[1], Noritaka Ichinohe[1,3], Hideyuki Okano[2,1]
[1]RIKEN Center for Brain Science, Wako, Japan;
[2]Dept. of Physiol., Keio Univ. Sch. of Med., Tokyo, Japan;
[3]National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan

A67. MRI 装置と直結した研究用脳画像データベースおよび標準自動解析装置の開発★

三井賢治 [1,2]、村尾拓哉 [1,2]、林　拓也 [1]
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