

Symposium シンポジウム

9/12(Sat) 8:30~10:00
Room B

2S1	Therapeutic targets and strategies for Alzheimer's and Parkinson's diseases.
Chairpersons	Yuta Ishizuka(石塚 佑太) Department of Neurobiology and Behavior, Gunma University Graduate School of Medicine (群馬大学医学部医学系研究科神経薬理学) Naomasa Kakiya(垣矢 直雅) Proteolytic Neu. Sci., RIKEN BSL Sci. Inst. (国立研究開発法人理化学研究所脳科学総合研究センター神経蛋白質制御研究チーム)
2S1-1	Histone deacetylase mediates the decrease in drebrin cluster density induced by amyloid beta oligomers. Yuta Ishizuka ¹ (石塚 佑太)、Hideo Shimizu ^{1,2} (清水 英雄)、Tomoaki Shirao ¹ (白尾 智明) ¹ Department of Neurobiology and Behavior, Gunma University Graduate School of Medicine (群馬大・院医・神経薬理学)/ ² Laboratory of Neuropharmacology, Division of Pharmacology, National Institute of Health Sciences (国立医薬品食品衛生研究所・薬理部)
2S1-2	Phosphorylation controls neprilysin cell surface localization and extracellular Aβ level Naomasa Kakiya(垣矢 直雅) Proteolytic Neu. Sci., RIKEN BSL Sci. Inst. (国立研究開発法人理化学研究所脳科学総合研究センター神経蛋白質制御研究チーム)
2S1-3	Neuroprotective function of DJ-1 in Parkinson's disease. Kazuko Takahashi-Niki(仁木 (高橋) 加寿子)、Hiroyoshi Ariga(有賀 寛芳) Grad. Sch. of Pharm. Sciences, Univ. of Hokkaido(北大院・薬・分子生物)
2S1-4	Gaucher disease model in medaka displays axonal accumulation of alpha-synuclein Norihiro Uemura(上村 紀仁)、Ryosuke Takahashi(高橋 良輔) Department of Neurology, Kyoto University Graduate School of Medicine (京都大学大学院医学研究科臨床神経学)

APSN/JSN Joint Symposium APSN/JSN ジョイントシンポジウム

9/12(Sat) 14:30~16:30
Room A

2S2	Recent advancement in Neurochemistry in Asia-Pacific region—Unexpected function of non-neuronal proteins in nervous system—
Chairpersons	Akiko Tabuchi(田淵 明子) Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama (富山大学大学院医学薬学教育部 (薬学系)・薬学部) Shin-ichi Hisanaga(久永 真市) Department of Biological Sciences, Tokyo Metropolitan University (首都大学東京生命科学専攻神経分子機能研究室)
2S2-1	Neuronal innate immunity regulates neural development and function Yi-Ping Hsueh Institute of Molecular Biology, Academia Sinica
2S2-2	Microglial ontogeny and functions in shaping embryonic brain circuits Florent Ginhoux Singapore Immunology Network, Agency for Science, Technology and Research (A*STAR)
2S2-3	Stress peptides and relapse to reward-seeking Andrew J Lawrence University of Melbourne (Florey Institute of Neuroscience & Mental Health)

2S2-4 Interleukin-1 receptor family proteins function as neuronal synapse organizers

Tomoyuki Yoshida^{1,2} (吉田 知之)

¹Dept of Mol. Neurosci., Grad. Sch. of Med. & Pharma. Sci., Univ. of Toyama (富山大院・医薬・分子神経科学) / ²PRESTO, JST (科学技術振興機構 さきがけ)

後援：包括型脳科学研究推進支援ネットワーク（包括脳ネットワーク）

Symposium シンポジウム

9/12(Sat) 14:30~16:30

Room B

2S3

Current status and future perspective of autism from both basic neuroscience and clinical research 自閉症とは：現状および今後の展望

Chairpersons

Yoshio Minabe (三邊 義雄) Department of Psychiatry & Neurobiology, Research Center for Child Mental Development, Kanazawa University Graduate School of Medicine (金沢大学精神科、子どものこころの発達研究センター金沢大学)

Takeo Yoshikawa (吉川 武男) Laboratory for Memory Mechanisms, RIKEN Brain Science Institute (理研 BSI)

2S3-1 Atypical brain auditory processing in young children with autism spectrum disorder.

Mitsuru Kikuchi (菊知 充)、Yoshio Minabe (三邊 義雄)

Research Center for Child Mental Development, Kanazawa University, Kanazawa, Japan (金沢大学子どものこころの発達研究センター)

2S3-2 Modeling Autism

Toru Takumi (内匠 透)

RIKEN BSI (理研・BSI)

2S3-3 De-regulation of translation and synaptic function in rodent models of autism

Peter Scheiffele

Biozentrum of the University of Basel

2S3-4 Current status and future perspective of autism from clinical research with oxytocin and neuroimaging

Hidenori Yamasue (山末 英典)

Dept. of Neuropsychiatry, Univ. of Tokyo (東京大院・医・精神)

Symposium シンポジウム

9/12(Sat) 14:30~16:30

Room C

2S4

Neural modulation and activity dependent changes in the visual system 中枢視覚系における神経活性化と神経活動依存的変化

Chairpersons

Sayaka Sugiyama (杉山 清佳) Lab. Neuronal Dev., Grad. Sch. Med. and Dent. Sci., Niigata University, (新潟大学大学院医歯学総合研究科 神経発達学分野)

Kazuyuki Imamura (今村 一之) Dept. Systems Life Engineering, Maebashi Institute of Technology (前橋工科大学・工学部)

2S4-1 Study on electrically induced responses in visual cortex for visual prosthetics

Tetsuya Yagi (八木 哲也)

the Graduate School of Engineering, Osaka University (大阪大学大学院工学研究科)

2S4-2 Monoaminergic/cholinergic modulation of neuronal visual information processing and behavioral contrast detectability.

Satoshi Shimegi (七五三木聡)

Graduate School of Medicine, Osaka University

2S4-3 Ocular dominance plasticity regulated by Otx2-inducible molecules

Sayaka Sugiyama (杉山 清佳)

Lab of Neuronal Dev., Grad Sch. Med. Dent. Sci., Niigata Univ. (新潟大院・医・神経発達)

2S4-4 Modulation of visual behavior by central thalamic deep brain stimulation

Keith Purpura¹, Jonathan Baker¹, Jae-Wook Ryou¹, Xuefeng Wei², Christopher R. Butson³, Nicholas D. Schiff¹

¹Brain & Mind Research Institute, Weill Cornell Medical College/²The College of New Jersey/³Dept. of Biomedical Engineering, University of Utah

後援：NPO バイオフォーラム、高信化学株式会社

iNCENS/JSN Joint Symposium iNCENS/JSN ジョイントシンポジウム

9/12(Sat) 16:30~18:30

Room A

2S5

Progress in the CNS non-clinical study achieved by iPS technique

Chairpersons	Yuko Sekino(関野 祐子) Division of Pharmacology, National Institute of Health Sciences (国立医薬品食品衛生研究所)
	Norimasa Miyamoto(宮本 憲優) Biopharmaceutical Core Function Unit (エーザイ株式会社 バイオフィーマシューティカル・アセスメント機能ユニット)

2S5-1 The iPSC technology to model human neurodevelopmental diseases in vitro

Carlo Sala, Caterina Montani, Cinzia Vicidomini, Chiara Verpelli

CNR Neuroscience Institute and Department of Medical Biotechnology and Translational medicine, University of Milano

2S5-2 The Next Phase of the NIH Center for Regenerative Medicine (NCRM) : Establishment of a Stem Cell Technology Facility

Anton Simeonov

National Center for Advancing Translational Sciences (NCATS), NIH

2S5-3 Early stage development of human iPSCs-derived neurons and its application to non-clinical study

Noriko Koganezawa(小金澤紀子)、Yuki Ohara(大原 由貴)、Mao Ootsu(大津 真生)、Tomoaki Shirao(白尾 智明)

DNBB, Gunma University Graduate School of Medicine (群大院・医・神経薬理)

2S5-4 iPSC Non-Clinical Experiments for Nervous System (iNCENS) project-An attempt to evolve the CNS safety pharmacological evaluation by in vitro use of human-induced pluripotent stem cell-derived neurons

Kaoru Sato(佐藤 薫)

Div Pharmacol, NIHS(国立衛研・薬理)

Symposium シンポジウム

9/12(Sat) 16:30~18:30

Room B

2S6

Significance of the temporal structure within network activities in the striatum and the limbic system.

Chairpersons	Makoto Osanai(小山内 実) Radiological Imaging and Informatics, Tohoku University Graduate School of Medicine (東北大学 大学院医学系研究科 保健学専攻 医用画像工学分野)
	Hiroyuki Ohta(太田 宏之) Department of Physiology, National Defense Medical College (防衛医科大学校 分子生体制御学講座)

2S6-1 Slow inhibitory oscillation in the basolateral amygdala and its alteration by stress load

Miki Hashizume¹(橋爪 幹)、Rina Shinozaki¹(篠崎 吏那)、Hideo Mukai²(向井 秀夫)、Yuchio Yanagawa³(柳川右千夫)、Takayuki Murakoshi¹(村越 隆之)

¹ Department of Biochemistry, Faculty of Medicine, Saitama Medical University (埼玉医科大学医学部生化学)/²Department of Computer Science, School of Science and Technology, Meiji University (明治大学理工学部情報科学科)/³Department of Genetic and Behavioral Neuroscience, Gunma University Graduate School of Medicine (群馬大学大学院医学系研究科遺伝発達行動学)

2S6-2 Metabotropic glutamate receptor sensitive slow calcium oscillations in striatum.

Makoto Osanai(小山内 実)

Tohoku Univ. Grad. Sch. Med.(東北大院・医・医用画像工学)

2S6-3 Optogenetically-induced seizure and longitudinal hippocampal network dynamics

Shin-ichiro Osawa^{1,2}(大沢伸一郎)、Masaki Iwasaki¹(岩崎 真樹)、Ryosuke Hosaka³(保坂 亮介)、Yoshiya Matsuzaka⁴(松坂 義哉)、Hiroshi Tomita⁵(富田 浩史)、Toru Ishizuka⁶(石塚 徹)、Hiromu Yawo⁶(八尾 寛)、Nobukazu Nakasato⁷(中里 信和)、Hajime Mushiake¹(虫明 元)、Teiji Tominaga¹(冨永 悌二)

¹Dept. of Neurosurgery, Tohoku Univ. Graduate School of Medicine(東北大学院・医・脳神経外科)/²Dept. of Neurosurgery, Hachinohe City Hospital(八戸市立市民病院脳神経外科)/³Dept. of Applied Mathematics, Fukuoka Univ.(福岡大学応用数学科)/⁴Dept. of Physiology, Tohoku Univ. Graduate School of Medicine(東北大学院・医・生体システム生理学)/⁵Laboratory of Visual Neuroscience, Dept. of Chemistry and Bioengineering, Iwate Univ.(岩手大学工学部応用化学・生命工学科)/⁶Dept. of Developmental Biology and Neuroscience, Tohoku Univ. Graduate School of Life Sciences(東北大学院・生命科学研究所・脳機能解析分野)/⁷Dept. of Epileptology, Tohoku Univ. Graduate School of Medicine(東北大学院・医・てんかん学分野)/⁸Japan Science and Technology Agency (JST), Core Research of Evolutional Science & Technology(CREST)(科学技術振興機構・戦略的創造研究推進事業(CREST))

2S6-4 Electrophysiological temporal property of the striatum

Hiroyuki Ohta(太田 宏之)

Department of Physiology, National Defense Medical College(防衛医科大学校生理学講座)

Symposium シンポジウム

9/12(Sat) 16:30~18:30

Room C

2S7**Neruochemical aspects of pain and its therapies.**

Chairperson

Shigeru Saito(齋藤 繁) Department of Anesthesiology, Gunma University Graduate School of Medicine (群馬大学大学院医学系研究科麻酔神経科学分野)

2S7-1**Involvement of TRPV1 activation in pain and itch sensation**

Koji Shibasaki(柴崎 貢志)

Dep Mol Cellular Neurobiology, Gunma Univ Grad Sch Medicine(群馬大院・医・分子細胞)

2S7-2**Chronic nociceptive stimuli induce “cell memory due to pain” with epigenetic modification**

Naoko Kuzumaki¹(葛巻 直子)、Michiko Narita¹(成田 道子)、Katsuhide Igarashi²(五十嵐勝秀)、Minoru Narita^{1,2}(成田 年)

¹Dept. Pharmacol, Hoshi Univ. Sch. Pharm. Pharmaceut. Sci.(星薬科大学 薬理学教室)/²Life Science Tokyo advanced Recerch Center(L-StaR)(先端生命科学研究所(L-StaR))

2S7-3**Neurotransmitters Modulating Pain Inhibitory Pathways**

Takashi Suto(須藤 貴史)

Department of Anesthesiology, Gunma University Graduate School of Medicine(群馬大学大学院医学系研究科 麻酔神経科学)

2S7-4**Microglial transcription factors and neuropathic pain**

Makoto Tsuda¹(津田 誠)、Takahiro Masuda¹(増田 隆博)、Hidetoshi Tozaki-Saitoh¹(齊藤 秀俊)、Kazuhide Inoue²(井上 和秀)

¹Dept. Life Innov., Grad. Sch. Pharmaceut. Sci., Kyushu Univ.(九州大院・薬・ライフ)/²Dept. Mol. Syst. Pharmacol., Grad. Sch. Pharmaceut. Sci., Kyushu Univ.(九州大院・薬・薬理)