

Oral Sessions 一般演題 (口演)

9/13(Sun) 8:30~9:50
Room C

301	Synapse シナプス
Chairpersons	<p>Teiichi Furuichi(古市 貞一) Faculty of Science and Technology, Tokyo University of Science (東京理科大学理工学部)</p> <p>Haruhiko Bito(尾藤 晴彦) Department of Neurochemistry, The University of Tokyo Graduate School of Medicine (東京大学大学院医学系研究科 神経生化学分野)</p>

301-01 Molecular mechanism of monoamine deficiency in the mouse lacking an enzyme for recycling of tetrahydrobiopterin

Hiroshi Ichinose(一瀬 宏)、Feng Xu(徐 峰)、Yusuke Sudo(須藤 雄介)、
Sho Sanechika(実近 翔)、Yoshitaka Hara(原 慶賢)
Grad School of Bioscience and Biotechnology, Tokyo Institute of Technology(東京工業大学大学院生命理工学研究科)

301-02 Sex difference in hippocampal synapses and hormones

Yasushi Hojo^{1,2,3}(北條 泰嗣)、Asami Kato^{2,3}(加藤麻紗実)、Bon-chu Chung³(鍾 邦柱)、
Takayuki Murakoshi¹(村越 隆之)、Suguru Kawato^{2,3}(川戸 佳)
¹Dept. of Biochem., Saitama Med. Univ.(埼玉医科大学・生化学)/²Grad. Sch. of Arts and Sci., Univ. of Tokyo(東京大院・総合文化)/³JST, Japanese-Taiwanese Cooperative Programme(科学技術振興機構・日台研究交流課題)

301-03 Reduced axonal localization of a Caps2 splice variant impairs axonal release of BDNF and causes autistic-like behavior in mice

Tetsushi Sadakata¹(定方 哲史)、Teiichi Furuichi²(古市 貞一)
¹Advanced Scientific Research Leaders Development Unit, Gunma University(群馬大学・先端科学研究指導者育成ユニット)/²Department of Applied Biological Science, Tokyo University of Science(東京理科大学理工学部応用生物科学科)

301-04 Rational design of a novel high-affinity, ultrafast, red calcium indicator R-CaMP2

Masatoshi Inoue^{1,5}(井上 昌俊)、Atsuya Takeuchi²(竹内 敦也)、Shin-ichiro Horigane¹(堀金慎一郎)、
Masamichi Ohkura³(大倉 正道)、Keiko Gengyo-Ando³(安藤 恵子)、Hajime Fujii¹(藤井 哉)、
Satoshi Kamijo^{1,5}(上條 諭志)、Sayaka Takemoto-Kimura^{1,4}(竹本-木村さやか)、
Masanobu Kano²(狩野 方伸)、Junichi Nakai³(中井 淳一)、Kazuo Kitamura^{2,4}(喜多村和郎)、
Haruhiko Bito^{1,5}(尾藤 晴彦)
¹Dept. of Neurochemistry, Grad. Sch. of Med., Univ. of Tokyo(東大・院医・神経生化学)/²Dept. of Neurophysiol., Grad. Sch. of Med., Univ. of Tokyo(東大・院医・神経生理)/³Brain Science Institute, Saitama Univ.(埼玉大・脳末梢科学研究センター)/⁴PRESTO-JST/⁵CREST-JST

9/13(Sun) 8:30~9:30
Room D

302	Glia・Myelin (in Japanese) グリア・ミエリン
Chairpersons	<p>Kei Maruyama(丸山 敬) Department of Pharmacology, Saitama Medical University (埼玉医科大学・医学部・薬理学教室)</p> <p>Rieko Muramatsu(村松里衣子) Department of Molecular Neuroscience, Graduate School of Medicine, Osaka University, JST-PRESTO (大阪大学大学院医学系研究科分子神経科学、科学技術振興機構さきがけ)</p>

302-01 Impaired late endosomal/lysosomal lipid trafficking attenuates oligodendrocyte differentiation and myelination in Niemann-Pick disease type C

Soichiro Kishi¹(岸 宗一郎)、Zen Kouchi¹(河内 全)、Naoko Inamura¹(稲村 直子)、
Yoichi Chiba²(千葉 陽一)、Makoto Michikawa³(道川 誠)、Hirohide Takebayashi⁴(竹林 浩秀)、
Masanori Hosokawa¹(細川 昌則)、Yasushi Enokido¹(榎戸 靖)
¹Dept. of Pathol., Inst. of Dev. Res., Aichi Human Service Cntr(愛知県コロンニー・発達障害研究所・病理)/²Dept. of Pathol. and Host Defense, Facult of Med., Kagawa Univ.(香川大・医・炎症病理)/³Dept. of Biochem., Grad. Sch. of Med., Nagoya City Univ.(名古屋市大・医・病態生化学)/⁴Div. of Neurobiol. and Anat., Grad. Sch. of Med., Niigata Univ.(新潟大院・医・神経生物・解剖学)

302-02 Prostaglandin F2 α FP receptor inhibitor reduce demyelination and motor dysfunction in a cuprizone-induced multiple sclerosis mouse model

Keisuke Yoshikawa(吉川 圭介)、Kensuke Iwasa(岩佐 健介)、Shinji Yamamoto(山本 梓司)、Kei Maruyama(丸山 敬)、Marika Takahashi(高橋茉莉香)
Dept. of Pharmacol., Faculty of Med., Saitama medical univ.(埼玉医科大学・医・薬理学)

302-03 2-Carba-cyclic phosphatidic acid, a chemically synthesized cyclic phosphatidic acid derivative, is a novel drug candidate for multiple sclerosis

Shinji Yamamoto¹(山本 梓司)、Yoshibumi Shimizu²(清水 嘉文)、Mari Gotoh²(後藤 真里)、Kei Maruyama¹(丸山 敬)、Kimiko Murakami-Murofushi²(室伏きみ子)、Keisuke Yoshikawa¹(吉川 圭介)
¹Department of Pharmacology, Faculty of Medicine, Saitama Medical Univ(埼玉医科大学 医学部 薬理学教室)/²Endowed Research Division of Human Welfare Sciences, Ochanomizu Univ(お茶大院・ヒューマンウェルフェアサイエンス研究教育寄附)

9/13(Sun) 14:00~16:00
Room D

303

Neural Development・Neural Differentiation 神経系の発生と分化

Chairpersons Masayuki Kaneko(金子 雅幸) Department of Biochemistry, Institute of Biomedical & Health Sciences, Hiroshima University (広島大学大学院医歯薬保健学研究院分子細胞情報学)
Itsuki Ajioka(味岡 逸樹) Center for Brain Integration Research, Tokyo Medical and Dental University (東京医科歯科大学 脳統合機能研究センター)

303-01 Cell-permeable p38 MAP kinase promotes migration of adult neural stem/progenitor cells

Makoto Hamanoue¹(浜之上 誠)、Kazuhiro Morioka³(森岡 和仁)、Ikuro Ohsawa⁴(大澤 郁郎)、Toru Ogata⁵(緒方 徹)、Ken Takamatsu¹²(高松 研)
¹Department of Physiology, Toho University School of Medicine(東邦大学医学部生理学講座細胞生理学分野)/²Division of Chronic Inflammatory Diseases, Advanced Medical Research Center, Toho University Graduate School of Medicine(東邦大・慢性炎症性疾患・先進医療技術開発センター)/³Brain and Spinal Injury Center(BASIC), Department of Neurological Surgery, University of California(カリフォルニア大学・脳神経外科・脳脊髄損傷センター)/⁴Research Team for Mechanism of Aging, Redox Research, Tokyo Metropolitan Institute of Gerontology(東京都健康長寿医療センター研究所・環境老化研究)/⁵Res. Inst., Natl. Rehab. Center, Dept. of Rehab. for the Move. Func.(国立障害者リハビリ・運動機能系障害研)

303-02 Netrin-5 is highly expressed in neurogenic regions of the adult brain

Satoru Yamagishi¹(山岸 覚)、Kohei Yamada²(山田 浩平)、Masato Sawada³(澤田 雅人)、Norio Mori²(森 則夫)、Kazunobu Sawamoto³(澤本 和延)、Kohji Sato¹(佐藤 康二)
¹Anatomy and Neuroscience, Hamamatsu University School of Medicine(浜松医大・解剖・神経機能)/²Center for Integrated Medical Research, School of Medicine, Keio University(浜松医大・子供のこころ発達研究センター)/³Nagoya City University Graduate School of Medical Sciences(名古屋市立大学)

303-03 The role of Cdk5 in cell cycle arrest and neural differentiation

Taro Saito(斎藤 太郎)、Toshinori Hisa(比佐 稔典)、Kanae Ando(安藤香奈絵)
Department of Biological Sciences, Tokyo Metropolitan University(首都大学東京・理工学研究科・生命科学専攻)

303-04 NRG1-ErbB4 signaling promotes generation of neurons from neural progenitor cells in the developing brain.

Tomomi Sato¹²(佐藤 智美)、Fuminori Sato³(佐藤 文規)、Aosa Kamezaki³(亀崎 青沙)、Kazuya Sakaguchi³(坂口 和弥)、Ryoma Tanigome³(谷米 竜馬)、Koichi Kawakami⁴(川上 浩一)、Atsuko Sehara³(瀬原 淳子)
¹Dept. of Anatomy, Sch. of Med., Saitama Med. Univ.(埼玉医大・医・解剖学)/²Dept. of Ob. and Gyn., Sch. of Med., Saitama Med. University(埼玉医大・医・産婦人科)/³Dept. of Growth Reg. Inst. for Frontier Med. Sci., Kyoto Univ.(京大・再生研・再生増殖)/⁴Div. of Mol. and Dev. Biol., Natl. Inst. of Genet.(遺伝研・初期発生)

303-05 Involvement of novel mammalian transmembrane ubiquitin ligases in neuronal differentiation and function

Tomoko Takai(高井 知子)、Kanma Shiraishi(白石 貫馬)、Kazunori Imaizumi(今泉 和則)、Masayuki Kaneko(金子 雅幸)
Department of Biochemistry, Institute of Biomedical and Health Sciences, Hiroshima University(広島大学大学院医歯薬保健学研究院 分子細胞情報学)

303-06

Neurogenesis from dying neurons by deregulated DNA repair pathway activation

Itsuki Ajioka^{1,2}(味岡 逸樹)、Mio Oshikawa¹(押川 未央)

¹Center for Brain Integration Research (CBIR), Tokyo Medical and Dental University (TMDU) (医科歯科大・脳統合機能研究センター)/JST, PRESTO(科学技術振興機構 さきがけ)