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| 101 | Genes and Higher Brain Function 高次機能と遺伝子 | |
| Chairpersons | <p>Kohji Fukunaga (福永 浩司) Department of Pharmacology, Tohoku University Graduate School of Pharmaceutical Sciences (東北大学大学院薬学研究科・薬理学分野)</p> <p>Koh-ichi Nagata (永田 浩一) Institute for Developmental Research, Aichi Human Service Center (愛知県心身障害者コロニー発達障害研究所)</p> | |

101-01 Novel intracellular D2LR signaling is critical for dendritic spine formation.

Norifumi Shioda (塩田 倫史)、Kohji Fukunaga (福永 浩司)
Dept. Pharmacol., Tohoku Univ. Grad. Sch. Pharm. Sci. (東北大院・薬・薬理)

101-02 Rbfox 1, an autism causal gene, plays an essential role in cortical development

Nanako Hamada (浜田奈々子)、Hidenori Ito (伊東 秀記)、Hidenori Tabata (田畑 秀典)、
Koh-ichi Nagata (永田 浩一)
Dept. Mol. Neurobiol., Inst. Dev. Res., Aichi Hum. Serv. Ctr (愛知県コロニー研・神経制御)

101-03 Dysregulation of fear memory and CaM kinase II activity in NCX1 heterozygous mice

Shigeki Moriguchi¹ (森口 茂樹)、Hisanao Izumi¹ (泉 久尚)、Satomi Kita² (喜多紗斗美)、
Hiroyuki Sakagami³ (阪上 洋行)、Takahiro Iwamoto² (岩本 隆宏)、Kohji Fukunaga¹ (福永 浩司)
¹Department of Pharmacology, Graduate School of Pharmaceutical Sciences, Tohoku University (東北大学大学院薬学研究科薬理学分野) /
²Department of Pharmacology, School of Medicine, Fukuoka University (福岡大学医学部薬理学) / ³Department of Anatomy, Kitasato University School of Medicine (北里大学医学部解剖学)

101-04 A newly identified stress hormone responsive molecule, Hit, regulates nuclear transport of Glucocorticoid Receptor

Keita Koizumi¹ (小泉 恵太)、Keiko Nakao² (中尾 啓子)、Hideo Nakajima^{3,4} (中島日出夫)
¹Center for Child Mental Development, Kanazawa Univ (金沢大学・子どものこころの発達研究センター) / ²Department of Physiology, Saitama Medical Univ (埼玉医大・生理学教室) / ³Center for AIDS Research, Kumamoto Univ. (熊本大学・エイズ研究センター) / ⁴Ageo Central General Hospital (上尾中央総合病院・腫瘍内科)

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| 102 | Neuronal Degeneration 神経変性疾患 | |
| Chairpersons | <p>Takeshi Iwatsubo (岩坪 威) Department of Neuropathology, The University of Tokyo (東京大学大学院医学系研究科神経病理学)</p> <p>Kenjiro Ono (小野賢二郎) Department of Neurology, School of Medicine, Showa University (昭和大学医学部内科学講座 神経内科学部門)</p> | |

102-01 Rer 1 and calnexin regulate endoplasmic reticulum retention of a peripheral myelin protein 22 mutant that causes type 1A Charcot-Marie-Tooth disease

Taichi Hara (原 太一)、Yukiko Hashimoto (橋本由紀子)、Tomoko Akuzawa (阿久澤共子)、
Rika Hirai (平井 里香)、Hisae Kobayashi (小林 久江)、Ken Sato (佐藤 健)
Laboratory of Molecular Traffic, Institute for Molecular and Cellular Regulation, Gunma University (群馬大学・生調研・細胞構造)

102-02 Multivesicular body is formed after endoplasmic reticulum stress.

Soshi Kanemoto (金本 聡自)、Koji Matsuhisa (松久 幸司)、Min Cui (崔 旻)、
Kazunori Imaizumi (今泉 和則)
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)

- 102-03** **Sigma 1 receptor deficiency is involved in motor neuronal degeneration through calcium deregulation at mitochondria-associated membrane.**
 Seiji Watanabe(渡邊 征爾)、Koji Yamanaka(山中 宏二)
 Research Institute of Environmental Medicine, Nagoya University(名大・環境医学研究所)
- 102-04** **Dextran sulfate sodium inhibits amyloid-β oligomer binding to cellular prion protein**
 Takahiro Aimi¹(会見 昂大)、Tatsuya Hoshino²(星野 竜也)、Tohru Mizushima¹(水島 徹)
¹Department of Drug Discovery and Development, Faculty of Pharmacy, Keio University(慶應義塾大学薬学部創薬科学講座)/²International University of Health and Welfare(国際医療福祉大学)
- 102-05** **Endocytic pathology in astrocytes : dynein dysfunction disrupts Abeta clearance in astrocytes via disturbed endosome trafficking**
 Nobuyuki Kimura¹(木村 展之)、Sachi Okabayashi²(岡林 佐知)、Fumiko Ono²(小野 文子)
¹Section of Genetics and Molecular Biology, Department of Alzheimer's Disease Research, National Center for Geriatrics and Gerontology(国立長寿医療研究センター アルツハイマー病研究部 病院遺伝子研究室)/²The Corporation for Production and Research of Laboratory Primates(社団法人予防衛生協会)
- 102-06** **Identification of domains of FUS required for the regulation of genes with conserved introns.**
 Tadashi Nakaya(中矢 正)
 Laboratory of Neuroscience, Graduate School of Pharmaceutical Sciences, Hokkaido University(北海道大学・大学院薬学研究院・神経科学研究室)

9/11(Fri) 16:00~18:00
 Room D

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| 103 | Mental Disorders · Drug Dependence Disorders 精神疾患・薬物依存 |
| Chairpersons | Norio Mori(森 則夫) Department of Psychiatry, Hamamatsu University School of Medicine (浜松医科大学 精神科) Kazuto Kobayashi(小林 和人) Fukushima Medical University (福島県立医科大学) |

- 103-01** **Brain dopamine D1 receptor bindings in young adults with autism spectrum disorder**
 Katsuaki Suzuki¹(鈴木 勝昭)、Yasuomi Ouchi²(尾内 康臣)、Kiyokazu Takebayashi¹(竹林 淳和)、Masamichi Yokokura¹(横倉 正倫)、Kyoko Nakaizumi¹(中泉 享子)、Kazuhiko Nakamura³(中村 和彦)、Masatsugu Tsujii⁴(辻井 正次)、Toshirou Sugiyama⁵(杉山登志郎)、Norio Mori^{1,4}(森 則夫)
¹Dept. Psychiatry, Hamamatsu Univ. Sch. Med.(浜松医大・精神医学)/²Med. Photo. Res. Cent., Hamamatsu Univ. Sch. of Med.(浜松医大・メディアカルフォトニクス研究センター)/³Dept. NeuroPsychiatry, Hirosaki Univ. Grad. Sch. of Med.(弘前大院・神経精神医学)/⁴RCCMD, Hamamatsu Univ. Sch. of Med.(浜松医大・子どものこころの発達研究センター)/⁵Dept. Child Adole Psychiatry, Hamamatsu Univ. Sch. of Med.(浜松医大・児童精神医学)
- 103-02** **Differential roles of dopamine D1 and D2 receptor-containing neurons of the nucleus accumbens shell in behavioral sensitization**
 Nobuyuki Kai²(甲斐 信行)、Kayo Nishizawa²(西澤 佳代)、Yuji Tsutsui³(筒井 雄二)、Shuichi Ueda¹(上田 秀一)、Kazuto Kobayashi²(小林 和人)
¹Department of Histology and Neurobiology(獨協医科大学 解剖学(組織)講座)/²Department of Molecular Genetics, Institute of Biomedical Sciences, Fukushima Medical University(福島県立医科大学 医学部 生体機能研究部門)/³Faculty of Symbiotic Systems Science, Fukushima University(福島大学 共生システム理工学類)
- 103-03** **Molecular Mechanisms of Fear Memory : Hippocampal Interneurons and their Relevance for Post Traumatic Stress Disorder**
 Oliver Stork、Guersel Caliskan、Iris Mueller、Anne Albrecht
 Department of Genetics & Molecular Neurobiology, Institute of Biology, Otto-von-Guericke University Magdeburg

103-04 Prenatal administration of valproic acid or SAHA alters the development of Purkinje cell dendrites and network formation in rat cerebellum

Sachiko Yoshida¹(吉田 祥子)、Yukiko Fueta²(笛田由紀子)、Susumu Ueno³(上野 晋)、Yuko Sekino⁴(関野 祐子)

¹Department of Environmental and Life Sciences, Toyohashi University of Technology (豊橋技術科学大学 環境・生命工学系)/²Department of Environmental Management and Control, University of Occupational and Environmental Health (産業医科大学 産業保健学部 環境マネジメント学科)/³Department of Occupational Toxicology, University of Occupational and Environmental Health (産業医科大学 産業生態科学研究所 職業性中毒学)/⁴National Institute of Health Sciences (国立医薬品食品衛生研究所 薬理部)

103-05 Analyses of the pathological roles of the altered brain cytoarchitectures with ectopic neurons

Ken-ichiro Kubo¹(久保健一郎)、Kazuhiro Ishii¹(石井 一裕)、Toshihiro Endo²(遠藤 俊裕)、Keitaro Yoshida³(吉田慶太郎)、Seico Benner²(ベナー 聖子)、Yukiko Ito⁴(伊藤 亨子)、Hidenori Aizawa⁴(相澤 秀紀)、Michihiko Aramaki¹(荒巻 道彦)、Akihiro Yamanaka⁵(山中 章弘)、Kohichi Tanaka⁴(田中 光一)、Norio Takata³(高田 則雄)、Kenji F Tanaka³(田中 謙二)、Masaru Mimura³(三村 将)、Chiharu Tohyama²(遠山 千春)、Masaki Kakeyama^{2,6}(掛山 正心)、Kazunori Nakajima¹(仲嶋 一範)

¹Dept. Anatomy, Keio Univ. Sch. Med. (慶應大・医・解剖)/²Lab. of Env. Health Sci., Cent. Dis. Biol. & Integr. Med., Grad. Sch. Med., Univ. of Tokyo (東京大院・医・疾患生命工学七・健康環境医工学)/³Dept. Neuropath., Keio Univ. Sch. Med. (慶應大・医・精神)/⁴Lab. of Mol. Neurosci., Med. Res. Inst., Tokyo Med. & Dent. Univ. (医科歯科大院・疾患生命・分子神経)/⁵Dept. of Neurosci. II, Res. Inst. of Environmental Med., Nagoya Univ. (名大・環境研・神経2)/⁶Lab. for Systems Neurosci. & Prev. Med., Faculty of Human Sci., Waseda Univ. (早大・人科・予防医・応用生理)

103-06 Multivariate consideration with social, thermal ambient and bio-molecular interactions suggested new developmental models between common marmosets and humans

Mamiko Koshiba^{1,2,3,5}(小柴満美子)、Genta Karino^{1,2,3}(狩野 源太)、Koki Mimura⁵(三村 喬生)、Masanori Shukuya⁴(宿谷 昌則)、Shun Nakamura³(中村 俊)、Takayuki Murakoshi¹(村越 隆之)、Tetsuya Kunikata²(國方 徹也)、Hideo Yamanouchi²(山内 秀雄)

¹Biochem. Saitama Med. Univ. (埼玉医大・医・生化/小児)/²Pediatrics, Saitama Med. Univ. (埼玉医大・医・小児科)/³Tokyo Univ. A&T (東京農工大学)/⁴Tokyo City Univ. (東京都市大)/⁵NCNP