

Late-breaking Abstracts (LBA)

- 3P-53 **Glycine transporter inhibitors relieve bone cancer pain**
Dohi Toshihiro¹, Morita Katsuya², Motoyama Naoyo³, Shiraishi Seiji⁴
¹Pharmaceutical Sci. Nihon Pharmaceutical Univ. Saitama, Japan, ²Dept of Pharmacol, Faculty of Nursing, Hiroshima Bunka Gakuen Univ, Hiroshima, Japan, ³Dept of Dental Sci for Health Promotion, Institute of Biomed & Health Sci, Hiroshima Univ, Hiroshima, Japan, ⁴Cancer Pathophysiol, Div Natl Cancer Center Research Institute
- 3P-54 **Mechanism of non-enzymatic activation of Factor XIII-A in zebrafish retina and optic nerve after optic nerve injury**
Sugitani Kayo¹, Koriyama Yoshiki², Ogai Kazuhiro³, Kato Satoru^{3,4}
¹Dept Clinical Laboratory Sci., Grad. Sch. Med. Sci., Kanazawa Univ. Japan, ²Grad. Sch. Pharm Sci, Suzuka University of Med Sci, Suzuka, Japan., ³Wellness Promotion Science Center, Institute of Medical, Pharmaceutical and Health Sci., Kanazawa Univ., Japan, ⁴Dept. Mol. Neurobiol., Grad. Sch. Med. Sci., Kanazawa Univ.
- 3P-55 **Acute hypoxia increases mitochondrial DNA gene expression and complex I and IV enzyme activity in mouse brain slices**
Takanari Nakano¹, Shinozaki Rina¹, Ida Yui¹, Kotani Norihiro¹, Hashizume Miki¹, Murakoshi Takayuki¹
¹Department of Biochemistry, Saitama Medical University
- 3P-56 **A new animal model of psychiatric disorders caused by child abuse and involvement of orbitofrontal cortex in its behavioral abnormality**
Kuniishi Hiroshi¹, Ichisaka Satoshi², Yamamoto Miki¹, Ikubo Natsuko³, Matsuda Sae¹, Futora Eri³, Harada Riho³, Kato Maiko², Ishihara Kohei², Hata Yoshio¹
¹Div. Integrative Biosci., Tottori Univ. Grad. Sch. Med. Sci., Yonago, Japan, ²Div. Neurobiol., Sch. Life Sci., Fac. Med. Tottori Univ., Yonago, Japan, ³Div. Neurobiol., Tottori Univ., Grad. Sch. Med. Sci.
- 3P-57 **Cholinergic stimulation may protect hippocampal synaptic plasticity against the toxicity of synthesized Amyloid-Oligomer.**
Sato Toyohiro¹, Ohi Yoshiaki², Haji Akira², Matsukawa Noriyuki¹
¹Dept. of Neurology, Nagoya City Univ. , ²Neuropharmacology, Aichi Gakuin Univ.
- 3P-58 **Ablation of neurexin-neuregulin 1 signaling imbalances ErbB4 inhibitory networks and disrupts hippocampal gamma oscillation**
Morikawa Shota^{1,2,3}, Kawata Miho^{2,3}, Shiosaka Sadao³, Tamura Hideki¹
¹Life Science Tokyo Advanced Research center (L-StaR), Hoshi University, ²Dept. Pharmacol., Hoshi Univ. Sch. Pharm. Pharmaceut. Sci., ³Laboratory of Functional Neuroscience, Graduate School of Biological Sciences, Nara Institute of Science and Technology (NAIST)
- 3P-59 **Effect of histone deacetylase inhibitor on synaptic dysfunction elicited by X-irradiation**
(1P-21) Hiruma Takashi¹, Koganezawa Noriko¹, Puspitasari Anggraeni¹, Shirao Tomoaki¹
¹Department of Neurobiology and Behavior, Gunma University Graduate School of Medicine,