

<b>201</b>	<b>Neurite Outgrowth · Network Formation</b> <b>神経突起</b>	
Chairpersons	<b>Yoshio Goshima (五嶋 良郎)</b>	Dept Mol Pharmacol Neurobiol, Grad Sch Med, Yokohama City Univ (横浜市立大学大学院医学研究科分子薬理神経生物学)
	<b>Hitoshi Hashimoto (橋本 均)</b>	Laboratory of Molecular Neuropharmacology & iPS Cell-based Research Project on Brain Neuropharmacology and Toxicology, Graduate School of Pharmaceutical Sciences, Osaka University (大阪大学大学院薬学研究科神経薬理学分野/附属創薬センターiPS脳神経毒性プロジェクト)

**201-01 Muller cell regulates axon elongation of retinal ganglion cells via P2Y<sub>6</sub> receptor signals**

Youichi Shinozaki<sup>1,3</sup>(篠崎 陽一)、Masanori Taguchi<sup>1</sup>(田口 備教)、Eiji Shigetomi<sup>1,3</sup>(繁富 英治)、Kenji Kashiwagi<sup>2</sup>(柏木 賢治)

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**201-02 Atypical myosin drives dendritic growth cone splitting to create complex arbor branching patterns.**

Adrian W Moore<sup>1</sup>、Li-Foong Yoong<sup>1</sup>、Hui-Keem Lim<sup>1</sup>、Simone Lackner<sup>1</sup>、Pengyu Hong<sup>2</sup>

<sup>1</sup>RIKEN Brain Science Institute/<sup>2</sup>Department of Computer Science, Brandeis University

**201-03 The region specific stabilization of branched axons mediated by the axonal transport dependent system**

Yoshiyuki Konishi<sup>1,2</sup>(小西 慶幸)、Takeshi Seno<sup>1</sup>(瀬野 岳史)、Kosuke Menya<sup>1</sup>(面谷 耕佑)、Masayuki Kurishita<sup>1</sup>(栗下 雅行)、Narumi Sakae<sup>1</sup>(栄 成美)

<sup>1</sup>Graduate School of Engineering, University of Fukui(福井大学大学院工学研究科)/<sup>2</sup>Research and Education Program for Life Sciences, University of Fukui(福井大学生命科学複合研究教育センター)

**201-04 Development of axon collaterals as the inter-areal connections in the cerebral cortex.**

Yuichiro Oka<sup>1</sup>(岡 雄一郎)、Tokuichi Iguchi<sup>1</sup>(猪口 徳一)、Makoto Sato<sup>1,2,3</sup>(佐藤 真)

<sup>1</sup>Anatomy & Neurosci, Dept. of Anatomy, Grad. Sch. of Med, Osaka Univ.(大阪大院・医・神経機能形態学)/<sup>2</sup>United Grad. Sch. of Child Dev., Osaka, Kanazawa, Hamamatsu Med, Chiba, & Fukui Univs(大阪大院・連合小児・こころの発達神経科学)/<sup>3</sup>Res Center for Child Mental Dev, Univ of Fukui(福井大・子どものこころセ)

<b>202</b>	<b>Pain · Ischemia</b> <b>痛み · 虚血</b>	
Chairpersons	<b>Makoto Tsuda (津田 誠)</b>	Department of Life Innovation, Graduate School of Pharmaceutical Sciences, Kyushu University (九州大学大学院薬学研究院ライフイノベーション分野)
	<b>Shigenobu Kanba (神庭 重信)</b>	Neuropsychiatry, Graduate School of Medicine, Kyushu University (九州大学大学院医学研究院精神病態医学)

**202-01 Regulation of post-ischemic inflammation by DAMPs**

Takashi Shichita<sup>1,2</sup>(七田 崇)、Minako Ito<sup>1</sup>(伊藤美菜子)、Akihiko Yoshimura<sup>1</sup>(吉村 昭彦)

<sup>1</sup>Department of Microbiology and Immunology, School of Medicine, Keio University(慶應義塾大学医学部 微生物学免疫学教室)/<sup>2</sup>Precursory Research for Embryonic Science and Technology (PRESTO), Japan Science and Technology Agency(科学技術振興機構さきがけ)

**202-02 Prothymosin-alpha implicates microglial TLR4 for the prevention of ischemic damages in retina**

Sebok\_K Halder、Hiroshi Ueda

Department of Pharmacology and Therapeutic Innovation, Nagasaki University Graduate School of Biomedical Sciences

**202-03 Essential role for STAT3-dependent reactive astrocytes in maintenance of chronic itch**

Miho Shiratori-Hayashi<sup>1</sup>(白鳥-林美穂)、Keisuke Koga<sup>1,2</sup>(古賀 啓祐)、Hidetoshi Tozaki-Saitoh<sup>1,2</sup>(戸崎-齊藤秀俊)、Yuta Kohro<sup>2</sup>(高露 雄太)、Junichi Hachisuka<sup>3</sup>(蜂須賀淳一)、Hideyuki Okano<sup>4</sup>(岡野 栄之)、Masutaka Furue<sup>3</sup>(古江 増隆)、Kazuhide Inoue<sup>2</sup>(井上 和秀)、Makoto Tsuda<sup>1,2</sup>(津田 誠)

<sup>1</sup>Department of Life Innovation, Graduate School of Pharmaceutical Sciences, Kyushu University(九州大学大学院薬学研究院ライフイノベーション分野) <sup>2</sup>Department of Molecular and System Pharmacology, Graduate School of Pharmaceutical Sciences, Kyushu University(九州大学大学院薬学研究院薬理学分野) <sup>3</sup>Department of Dermatology, Graduate School of Medicine, Kyushu University(九州大学大学院医学研究院皮膚科学分野) <sup>4</sup>Department of Physiology, Keio University School of Medicine(慶應義塾大学医学部生理学教室)

**202-04 Translational research of chronic pain patients using human blood-induced microglia-like (iMG) cells**

Masahiro Ohgidani<sup>1</sup>(扇谷 昌宏)、Takahiro Kato<sup>1,2</sup>(加藤 隆弘)、Masako Hosoi<sup>3</sup>(細井 昌子)、Makoto Tsuda<sup>1</sup>(津田 誠)、Kohei Hayakawa<sup>1</sup>(早川 宏平)、Nobuyuki Sudo<sup>3</sup>(須藤 信行)、Shigenobu Kanba<sup>1</sup>(神庭 重信)

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

203	Glia・Myelin グリア・ミエリン
Chairpersons	Akio Wanaka(和中 明生) Department of Anatomy and Neuroscience, Nara Medical University (奈良県立医科大学 第二解剖) Kenji F Tanaka(田中 謙二) Keio University School of Medicine, Department of Neuropsychiatry (慶應義塾大学医学部 精神神経科学教室)

**203-01 Entry of circulating molecules is restricted by alternative barrier in sensory circumventricular organs of adult mouse brain**

Shoko Morita-Takemura<sup>1</sup>(森田-竹村晶子)、Eriko Furube<sup>2</sup>(古部瑛莉子)、Tetsuya Mannari<sup>2</sup>(萬成 哲也)、Hiroaki Okuda<sup>1</sup>(奥田 洋明)、Kouko Tatsumi<sup>1</sup>(辰巳 晃子)、Seiji Miyata<sup>2</sup>(宮田 清司)、Akio Wanaka<sup>1</sup>(和中 明生)

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**203-02 GlcNAc6ST-1 regulates sulfation of N-glycans and myelination in the peripheral nervous system.**

Takeshi Yoshimura<sup>1</sup>(吉村 武)、Akiko Hayashi<sup>2</sup>(林 明子)、Kenji Uchimura<sup>3</sup>(内村 健治)、Kenji Kadomatsu<sup>3</sup>(門松 健治)、Yoshihide Yamaguchi<sup>2</sup>(山口 宜秀)、Hiroko Baba<sup>2</sup>(馬場 広子)、Kazuhiro Ikenaka<sup>1</sup>(池中 一裕)

<sup>1</sup>Division of Neurobiology and Bioinformatics, NIPS, NINS(自然科学研究機構・生理研・分子神経生理) <sup>2</sup>Dept of Molecular Neurobiology, Tokyo Univ of Pharmacy and Life Sci(東京薬科大・薬・機能形態) <sup>3</sup>Dept of Biochemistry, Graduate School of Med, Nagoya Univ(名古屋大・医・分子生物)

**203-03 The role of myelin sheaths in the regulation of axonal homeostasis**

Tomoko Ishibashi<sup>1</sup>(石橋 智子)、Kiyoshiro Hinohara<sup>1</sup>(日野原清志郎)、Juri Mizuno<sup>1</sup>(水野 樹璃)、Saki Takahashi<sup>1</sup>(高橋 早紀)、Katsuhiko Mikoshiba<sup>2</sup>(御子柴克彦)、Hiroko Baba<sup>1</sup>(馬場 広子)

<sup>1</sup>Tokyo Univ. of Pharmacy and Life Sciences(東京薬科大学・薬・機能形態学) <sup>2</sup>RIKEN BSI(理化学研究所・脳科学総合研究センター・発生神経生物学研究チーム)

**203-04 Upregulation of TN-C and GFAP in reactive astrocytes in injured brain and in primary culture is dependent on aquaporin-4 expression**

Hiroko Ikeshima-Kataoka<sup>1,2</sup>(池島(片岡) 宏子)、Motoko Furukawa<sup>2</sup>(古川 元子)、Sayaka Inui<sup>2</sup>(乾 さやか)、Manae Imamura<sup>2</sup>(今村 愛枝)、Masato Yasui<sup>2</sup>(安井 正人)

<sup>1</sup>Faculty of Science and Engineering, Waseda University(早稲田大学理工学術院) <sup>2</sup>Department of Pharmacology & Neuroscience, Keio University School of Medicine(慶應義塾大学医学部薬理学教室)

**203-05 Mechanism of process tip localization of astrocytic glutamate transporters**

Mariko Hayashi(林 真理子)、Masato Yasui(安井 正人)  
Dept. Pharmacol. Keio Univ. School of Medicine(慶應義塾大学医学部薬理学教室)

**203-06 Calcium imaging method for the visualization of subtle and local activity of astrocytes in intact brain**

Kazunori Kanemaru<sup>1</sup>(金丸 和典)、Hiroshi Sekiya<sup>1</sup>(関谷 敬)、Nami Kitajima<sup>1</sup>(北島 奈美)、  
Miki Takagi<sup>1</sup>(高木 美貴)、Kenji F Tanaka<sup>2</sup>(田中 謙二)、Masamitsu Iino<sup>1</sup>(飯野 正光)  
<sup>1</sup>Dept. Pharmacol., Grad. Sch. Med., Univ. Tokyo(東京大院・医・細胞分子薬理学)/<sup>2</sup>Dept. Neurosychiat., Sch. Med., Keio Univ.(慶応大・医・精神神経科学)