

## Original articles

Nori S, Okada Y, Yasuda A, Tsuji O, Takahashi Y, Kobayashi Y, Fujiyoshi K, Koike M, Uchiyama Y, Ikeda E, Toyama Y, Yamanaka S, Nakamura M, Okano H\* (2011) Grafted human-induced pluripotent stem-cell-derived neurospheres promote motor functional recovery after spinal cord injury in mice. *Proc Natl Acad Sci USA* 108: 16825-16830

Uchida Y, Hasegawa J, Chinnapen D, Inoue T, Okazaki S, Kato R, Wakatsuki S, Masaki R, Koike M, Uchiyama Y, Iemura S, Natsume T, Kuwahara R, Nakagawa T, Nishikawa K, Mukai K, Miyoshi E, Taniguchi N, Sheff D, Lencer WI, Taguchi T, Arai H\* (2011) Intracellular phosphatidylserine is essential for retrograde membrane traffic through endosomes. *Proc Natl Acad Sci USA* 108:15846-15851

Koyanagi M, Asahara A, Matsuda T, Hashimoto N, Shigeyama Y, Shibutani Y, Hosooka T, Inoue H, Matsumoto H, Koike M, Uchiyama Y, Noda T, Seino S, Kasuga M, Kido Y\* (2011) Ablation of TSC2 enhances insulin secretion by increasing the number of mitochondria through activation of mTORC1. *Proc Natl Acad Sci USA* 108:e23238

## Symposium

Uchiyama Y.

Invited speaker in “Synapse in Sep. 5, 2011” held in Lake Maggiore in Italy

The autophagy/lysosomal system is essential for the maintenance of the axon and its terminal.

Uchiyama, Y

Plenary Lecture in The 10<sup>th</sup> China-Japan Joint Seminar on Histochemistry and Cytochemistry held in Oct. 22, 2011

Acceleration of autophagy results in neurodegeneration