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### Work experience

1988-1991 Assistant Professor, Aoyama Gakuin University

1991-1997 Staff, The Tokyo Metropolitan Institute of Medical Science

1997-1998 Postdoctoral Fellow, Core Research for Evolutional Science and Technology

1998-2001 Technical Staff, Laboratory for Proteolytic Neuroscience, RIKEN BSI

2001-2002 Senior Technical Staff, Laboratory for Proteolytic Neuroscience, RIKEN BSI

2002-present Research Specialist, Laboratory for Proteolytic Neuroscience, RIKEN BSI

### Publications

1. S.Yokokawa, S.Tsubuki, H.Ito and H.Kasai (1989) The synthesis and properties of EF-hand type calcium-binding peptides. *Chem. Lett.* pp.1627-1630.
2. Y.Saito, S.Tsubuki, H.Ito and S.Kawashima (1990) The structure-function relationship between peptide aldehyde derivatives on initiation of neurite outgrowth in PC12h cells. *Neurosci. Lett.* **120**, 1-4.
3. Y.Saito, S.Tsubuki, H.Ito and S.Kawashima (1990) Possible involvement of a novel protease in neurite outgrowth of PC12 cells. *Neurosci. Res., Suppl.* **13**, S97-S101.
4. Y.Saito, S.Tsubuki, H.Ito, S.Ohmi-Imajo and S.Kawashima (1992) Possible involvement of clathrin in neuritogenesis induced by a protease inhibitor (benzyloxycarbonyl-Leu-Leu-Leu-aldehyde) in PC12 cells. *J. Biochem.* **112**, 448-455.
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6. S.Tsubuki, H.Kawasaki, Y.Saito, N.Miyashita, M.Inomata and S.Kawashima (1993) Purification and characterization of a Z-Leu-Leu-Leu-MCA degrading protease expected to regulate neurite formation: a novel catalytic activity in proteasome. *Biochem. Biophys. Res. Commun.* **196**, 1195-1201.
7. S.Tsubuki, Y.Saito and S.Kawashima (1994) Purification and characterization of an endogenous inhibitor specific to the Z-Leu-Leu-Leu-MCA degrading activity in proteasome and its identification as heat-shock protein 90. *FEBS Lett.* **344**, 229-233.
8. T.Hiwasa, T.Sawada, S.Sakiyama, J.Ma, T.Ohba, T.Nishimoto, Y.Taya, M.Kitagawa, E.Kominami, S.Tsubuki and S.Kawashima (1995) Inhibition of cysteine proteinases and proteasome by Ras, Ran and cyclin. In "Proteases Involved in Cancer" (Eds. M.Suzuki and T.Hiwasa), pp.183-187, Monduzzi Editore.
9. H.Aizawa, K.Sutoh, S.Tsubuki, S.Kawashima, A.Ishii and I.Yahara (1995) Identification, characterization, and intracellular distribution of cofilin in *Dictyostelium discoideum*. *J. Biol. Chem.* **270**, 10923-10932.
10. X.Du, T.C.Saido, S.Tsubuki, F.E.Indig, M.J.Williams and M.H.Ginsberg (1995) Calpain cleavage of the cytoplasmic domain of the integrin b3 subunit. *J. Biol. Chem.* **270**, 26146-26151.

11. S.Tsubuki, Y.Saito, M.Tomioka, H.Ito and S.Kawashima (1996) Differential inhibition of calpain and proteasome activities by peptidyl aldehydes of di-leucine and tri-leucine. *J.Biochem.* **119**, 572-576.
12. M.Inomata, M.Hayashi, Y.Ohno-Iwashita, S.Tsubuki, T.C.Saido and S.Kawashima (1996) Involvement of calpain in integrin-mediated signal transduction. *Arch. Biochem. Biophys.* **328**, 129-134.
13. K.Yamaoka, Arnd Ingendoh, S.Tsubuki, Y.Nagai and Y.Sanai (1996) Structural and functional characterization of a novel tumor-derived rat galectin-1 having transforming growth factor (TGF) activity: the relationship between intramolecular disulfide bridges and TGF activity. *J. Biochem.* **119**, 878-886.
14. H.Kubo, T.Kawano, S.Tsubuki, S.Kawashima, C.Katagiri and A.Suzuki (1997) A major glycoprotein of *Xenopus* egg vitelline envelope, gp41, is a frog homolog of mammalian ZP3. *Develop. Growth Differ.* **39**, 405-417.
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35. N. Kakiya, T. Saito, P. Nilsson, Y. Matsuba, S.Tsubuki, N. Takei, H. Nawa, T.C. Saido (2012) Cell surface expression of the major amyloid- $\beta$  peptide (A $\beta$ )-degrading enzyme, neprilysin, depends on phosphorylation by mitogen-activated protein kinase/extracellular signal-regulated kinase (MEK) and dephosphorylation by protein phosphatase 1a. *J Biol Chem.*, **287**, 29362-29372.

And 12 review articles in Japanese