

## CURRICULUM VITAE

Name: Shin-ya Saito

### Education:

1985-1991 University of Tokyo, Doctor of Veterinary Medicine  
1991-1995 University of Tokyo, Ph.D. (major in Veterinary Pharmacology)

### Research and Professional experience:

1995-1998 Research Associate, Department of Pharmacology, Faculty of Agriculture, Iwate University  
1998- 2005 Research Associate, Department of Pharmaceutical Molecular Biology, Graduate School of Pharmaceutical Sciences, Tohoku University  
2005-2006 Research Associate, Department of Medical Chemistry, Graduate School of Medicine, Tohoku University  
2007-present Associate Professor, Department of Pharmacology, School of Pharmaceutical Sciences, University of Shizuoka  
1997-1998 Visiting Researcher, Department of Physiology, University of Massachusetts Medical Center

### Research interests:

I am interested in functions of vascular mural cells including smooth muscle cells and pericytes, which have physiological role in regulating blood flow. The former is a trigger of raising blood pressure. The latter is also known as main source of collagen, when it is activated in pathophysiological condition such as hepatic inflammation. Now we are performing studies investigating,

- 1) The regulation of excitation in vascular smooth muscle,
- 2) Prevention or retrieval of hepatic stellate cells from activation.

I am also interested in natural chemical products with new activities. We are performing,

- 3) Survey of natural chemicals with new bioactivities using smooth muscle or hepatic stellate cells as tools.

### Publications:

1. Yoshimura, T., Ito, A., Saito, S., Takeda, M., Kuriyama, H., Ishikawa, T. (2012) Calcitonin ameliorates enhanced arterial contractility after chronic constriction injury of the sciatic nerve in rats. *Fundam. Clin. Pharmacol.* 26: 315-321.
2. Suzuki, K., Saito, S., Ishikawa, T. (2011) Involvement of phosphatidylcholine-specific phospholipase C in thromboxane A<sub>2</sub> receptor-mediated extracellular Ca<sup>2+</sup> influx in rat aorta. *Eur. J. Pharmacol.* 677: 123-130.
3. Ikeda, A., Miyazaki, T., Kakizawa, S., Okuno, Y., Tsuchiya, S., Myomoto, A., Saito, S., Yamamoto, T., Yamazaki, T., Iino, M., Tsujimoto, G., Watanabe, M. and Takeshima, H. (2007) Abnormal features in mutant cerebellar Purkinje cells lacking junctophilins. *Biochem. Biophys. Res. Commun.* 363: 835-839
4. Kiyoshi, H., Yamazaki, D., Ohya, S., Kitsukawa, M., Muraki, K., Saito, S., Ohizumi, Y. and Imaizumi, Y. (2006) Molecular and electrophysiological characteristics of K<sup>+</sup> conductance sensitive to acidic pH in aortic smooth muscle cells of WKY and SHR. *Am. J. Physiol. Heart Circ. Physiol.* 291: H2723-H2734