

# CURRICULUM VITAE

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## ADDRESS

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## EDUCATION

- |      |   |
|------|---|
| 1989 | Ph.D. in Pharmacology, University of Tsukuba, Ibaraki, Japan<br>Thesis: " Positive inotropic effect of calcitonin gene-related peptide mediated by cyclic AMP in guinea pig heart." |
| 1986 | M.S. in Pharmacology, University of Tsukuba, Ibaraki, Japan   |
| 1984 | B.S. in Pharmaceutical Sciences, Tokyo University of Science, Tokyo, Japan  |

## APPOINTMENTS

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|--------------|--|
| 2023-present | Dean, School of Pharmaceutical Sciences, University of Shizuoka, Shizuoka, Japan                                     |
| 2019-2023    | Dean, Graduate Division of Pharmaceutical Sciences, University of Shizuoka, Shizuoka, Japan                          |
| 2019-2021    | Dean, Graduate School of Integrated Pharmaceutical and Nutritional Sciences, University of Shizuoka, Shizuoka, Japan |
| 2015-2019    | Vice dean, School of Pharmaceutical Sciences, University of Shizuoka, Shizuoka, Japan                                |
| 2006-present | Professor, Department of Pharmacology, University of Shizuoka, Shizuoka, Japan                                       |
| 1998-2006    | Associate Professor, Department of Pharmacology, University of Shizuoka, Shizuoka, Japan                             |

- 1994-1998 Assistant Professor, Department of Pharmacology, University of Tsukuba, Ibaraki, Japan
- 1993-1994 Research Assistant Professor, Department of Physiology, University of Nevada, NV, U.S.A.
- 1990-1993 Research Associate, Department of Physiology, University of Nevada, NV, U.S.A.
- 1990-1991 Assistant Professor, Department of Pharmacology, University of Tsukuba, Ibaraki, Japan

## RESEARCH INTEREST

- Signaling molecules involved in the functional regulation of pancreatic  $\beta$ -cells
- Signaling mechanisms involved in the activation and deactivation of hepatic stellate cells

## SOCIETY MEMBERSHIPS

- The Japanese Pharmacological Society
- Pharmaceutical Society of Japan
- Japanese Association of Cardiovascular Pharmacology
- Japan Diabetes Society

## PUBLICATIONS

- 1) Kaji M, Kaneko YK, Ihim SA, Kanoh R, Yamamoto M, Yamaguchi M, Ishikawa T. Oral ingestion of Shiikuwasha extract suppresses diabetes progression in *db/db* mice by preserving  $\beta$ -cell mass. *Front Nutr.* 2024; 10: 1336133. doi: 10.3389/fnut.2023.1336133.
- 2) Kodera S, Kimura T, Nishioka T, Kaneko YK, Yamaguchi M, Kaibuchi K, Ishikawa T. GDP-bound Rab27a regulates clathrin disassembly through HSPA8 after insulin secretion. *Arch Biochem Biophys.* 2023; 749, 109789. doi: 10.1016/j.abb.2023.109789.
- 3) Kato M, Yamaguchi M, Ooka A, Takahashi R, Suzuki T, Onoda K, Yoshikawa Y, Tsunematsu Y, Sato M, Yoshioka Y, Igarashi M, Hayakawa S, Shoji K, Shoji Y, Ishikawa T, Watanabe K, Miyoshi N. Non-target GC-MS analyses of fecal VOCs in NASH-hepatocellular carcinoma model STAM mice. *Sci Rep.* 2023; 13: 8924. doi: 10.1038/s41598-023-36091-7.
- 4) Ishida H, Ishikawa T, Saito SY. Enhanced contraction of arterial smooth muscle cell in skin artery is sensitive to hyperpolarization mediated by BK<sub>Ca</sub> channel in chronic constriction injury model rat. *Biol Pharm Bull.* 2023; 46: 399-403. doi: 10.1248/bpb.b22-00603.
- 5) Ihim SA, Kaneko YK, Yamamoto M, Yamaguchi M, Kimura T, Ishikawa T. Apigenin alleviates endoplasmic reticulum stress-mediated apoptosis in INS-1  $\beta$ -cells. *Biol Pharm Bull.* 2023; 46: 630-635. doi: 10.1248/bpb.b22-00913.
- 6) Yamaguchi M, Ohbayashi S, Ooka A, Yamashita H, Motohashi N, Kaneko YK, Kimura T, Saito SY, Ishikawa T. Harmine suppresses collagen production in hepatic stellate cells by inhibiting DYRK1B. *Biochem Biophys Res Commun.* 2022; 600: 136-141. doi: 10.1016/j.bbrc.2022.02.054.
- 7) Yamaguchi M, Kanazawa T, Morino S, Iioka S, Watanabe Y, Dohi N, Higashi K, Kondo H, Ishikawa T. Increased tropism of extracellular vesicles derived from palmitic acid-treated hepatocytes to activated hepatic stellate cells. *Membranes.* 2022; 12: 1023. doi:

- 10.3390/membranes12101023.
- 8) Kaneko YK, Tara Y, Ihim SA, Yamamoto M, Kaji M, Ishikawa T. Nobiletin ameliorates glucose tolerance by protecting against  $\beta$ -cell loss in type-2 diabetic *db/db* mice. *Phytomed Plus* 2022; 2: 100367. doi: 10.1016/j.phyplu.2022.100367.
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  - 10) Yamaguchi M, Ohbayashi S, Ooka A, Yamashita H, Motohashi N, Kaneko YK, Kimura T, Saito SY, Ishikawa T. Harmine suppresses collagen production in hepatic stellate cells by inhibiting DYRK1B. *Biochem Biophys Res Commun.* 2022; 600: 136-141. doi: 10.1016/j.bbrc.2022.02.054.
  - 11) Sato T, Ishiwatari C, Kaneko YK, Ishikawa Y, Kimura Y, Watanabe N, Aoshima I, Matsuda Y, Nakayama T, Chiba R, Fujinuki T, Iwata K, Lu Q, Usuki T, Sakane F, Ishikawa T. Diacylglycerol kinase  $\delta$  functions as a proliferation suppressor in pancreatic  $\beta$ -cells. *FASEB J.* 2021; 35: e21420. doi: 10.1096/fj.202001279RR.
  - 12) Dohi N, Yamaguchi M, Hase R, Suzuki R, Wakabayashi Y, Nishiyama R, Saito S, Ishikawa T. Quantitative real-time measurement of endothelin-1-induced contraction in single non-activated hepatic stellate cells. *PLOS ONE.* 2021; 16: e0255656. doi: 10.1371/journal.pone.0255656.
  - 13) Yamaguchi M, Dohi N, Ooka A, Saito S, Ishikawa T. Caffeine-induced inversion of prostaglandin E2 effects on hepatic stellate cell activation. *Biomed Pharmacother.* 2021; 142: 111989. doi: 10.1016/j.biopha.2021.111989.
  - 14) Ishida H, Yamaguchi M, Saito SY, Furukawa T, Shannonhouse JL, Kim YS, Ishikawa T.  $\text{Na}^+$ -dependent inactivation of vascular  $\text{Na}^+/\text{Ca}^{2+}$  exchanger responsible for reduced peripheral blood flow in neuropathic pain model. *Eur J Pharmacol.* 2021; 910: 174448. doi: 10.1016/j.ejphar.2021.174448.
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- 1741-1745. doi: 10.1248/bpb.b19-00473.
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- hyposmotic challenge in canine basilar arteries. *Am J Physiol Cell Physiol* 2005; 288: C702–C709.
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- renal and coronary smooth muscle cells. *In: Ion Channels of Vascular Smooth Muscle Cells and Endothelial Cells*. Sperelakis N, Kuriyama H (eds), 1991; p125–138, Elsevier Science Publishing.
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