CURRICULUM VITAE
Yukiko KANEKO, Ph.D.

CURRENT POSITION

Assistant Professor

ADDRESS

Department of Pharmacology, School of Pharmaceutical Sciences, University of Shizuoka
52-1 Yada, Suruga-ku, Shizuoka City, Shizuoka 422-8526, Japan
Phone +81-54-264-5691
Fax +81-54-264-5696
E-mail ykaneko@u-shizuoka-ken.ac.jp

EDUCATION:

2001-2004 Graduate School of Pharmaceutical Sciences, University of Shizuoka, Shizuoka, Japan. (Ph. D. in Pharmaceutical Sciences)

1999-2001 Graduate School of Pharmaceutical Sciences, University of Shizuoka, Shizuoka, Japan. (M. S. in Pharmaceutical Sciences)

1995-1999 School of Pharmaceutical Sciences, University of Shizuoka, Shizuoka, Japan. (B. S. in Pharmaceutical Sciences)

RESEARCH AND PROFESSIONAL EXPERIENCE

2016-present Assistant Professor, Department of Pharmacology, School of Pharmaceutical Sciences, University of Shizuoka

2007-2016 Research Assistant Professor, Department of Pharmacology, School of Pharmaceutical Sciences, University of Shizuoka

2004-2007 Research Assistant Professor, Department of Pharmacology, School of Medicine, Oita University

SOCIETY MEMBERSHIPS

The Pharmaceutical Society of Japan
The Japanese Pharmacological Society
Japan Diabetes Society
European Association for the Study of Diabetes

PUBLICATIONS

1. Miki Takii, Yukiko K. Kaneko, Kiriko Akiyama, Yuki Aoyagi, Yuki Tara, Tomohiro Asakawa, Makoto Inai, Toshiyuki Kan, Kiyomitsu Nemoto, Tomohisa Ishikawa (2017) Insulinotropic and anti-apoptotic effects of nobiletin in INS-1D β-cells. *J Functional Foods*. 30, 8-15
2. Kaneko YK (2016)Development and analysis of novel therapeutic targets to improve pancreatic β-Cell function in type 2 diabetes. *YAKUGAKU ZASSHI* 136(12): 1623-1629
3. Kaneko YK, Ishikawa T (2016) Regulation of lipid metabolism by diacylglycerol kinases in pancreatic β-cells. *YAKUGAKU ZASSHI* 136(3): 461-465
4. Taiji Sato, Yukiko K. Kaneko, Toshiaki Sawatani, Akiko Noguchi, Tomohisa Ishikawa(2015) Obligatory role of early Ca^{2+} responses in H_2O_2-induced β-cell apoptosis. *Biol. Pharm. Bull.* 38(10), 1599-1605
5. Yukiko K. Kaneko, Tomohisa Ishikawa (2015): Diacylglycerol signaling pathway in pancreatic β-cells: the essential role of diacylglycerol kinase in the regulation of insulin secretion. *Biol. Pharm. Bull.* 38(5), 669-673
6. Yukiko K. Kaneko, Miki Takii, Yumiko Kojima, Hiroko Yokosawa, Tomohisa Ishikawa (2015) Structure-dependent inhibitory effects of green tea catechins on insulin secretion from pancreatic β-cells. *Biol. Pharm. Bull.* 38(3), 476-481
7. Yukiko Kurohane Kaneko and Tomohisa Ishikawa (2013) Dual role of nitric oxide in pancreatic β-cells. *J Pharmacol Sci.*, 123(4), 295-300
8. Yukiko Kurohane Kaneko, Yosuke Kobayashi, Keisuke Motoki, Kunihito Nakata, Shoko Miyagawa, Mao Yamamoto, Daiki Hayashi,Yasuhito Shirai, Fumio Sakane, and Tomohisa Ishikawa(2013): Depression of type I diacylglycerol kinases in pancreatic β-cells from male mice results in impaired insulin secretion. *Endocrinology.* 154(11), 4089-98
9. Takada M, Noguchi A, Sayama Y, Kaneko Y, Ishikawa T (2011) Inositol 1,4,5-trisphosphate receptor-mediated initial Ca^{2+} mobilization constitutes a triggering signal for hydrogen peroxide-induced apoptosis in INS-1 β-cells. *Biol. Pharm. Bull.* 34, 954-958
10. Kaneko Y, Kimura T, Taniguchi S, Souma M, Kojima Y, Kimura Y, Kimura H, Niki I (2009) Glucose-induced production of hydrogen sulfide may protect the pancreatic beta-cells from apoptotic cell death by high glucose. *FEBS Letter*s,583, 377-382
11. Kimura T, Kaneko Y, Yamada S, Ishihara H, Senda T, Iwamatsu A, Niki I (2008) The GDP-dependent Rab27a effector coronin 3 controls endocytosis of secretory membrane in insulin-secreting cell lines. *J. Cell Sci.*, 121, 3092-3098
12. Yuzawa Y, Niki I, Kosugi T, Maruyama S, Yoshida F, Takeda M, Tagawa Y, Kaneko Y, Kimura T, Kato N, Yamamoto J, Sato W, Nakagawa T, Matsuo S (2008) Diabetic nephropathy in transgenic mice overexpressing beta cell calmodulin. *J. Am. Soc. Nephrol.*, 19, 1701-1711
13. Tsunekawa S, Yamamoto Y, Tsukamoto K, Itoh Y, Kaneko Y, Kimura T, Ariyoshi Y, Miura Y, Oiso Y, Niki I (2007) Protection of pancreatic beta cells by exendin-4 may involve the reduction of endoplasmic reticulum stress; in vivo and in vitro studies. *J Endocrinol.* 193:65-74

14. Kaneko Y, Kimura Y, Kimura H, Niki I. (2006) L-Cysteine inhibits insulin release from the pancreatic β-cell.; possible involvement of metabolic production of hydrogen sulfide, a novel gasotransmitter. *Diabetes* 55: 1391-1397
15. Takii M, Ishikawa T, Tsuda H, Kanatani K, Sunouchi T, Kaneko Y,Nakayama K. (2006) Involvement of stretch-activated cation channels in hypotonically induced insulin secretion in rat pancreatic β-cells. *Am J Physiol Cell Physiol* 291: C1405-C1411
16. Ishikawa T, Iwasaki E, Kanatani K, Sugino F, Kaneko Y, Obara K, Nakayama K. (2005) Involvement of novel protein kinase C isoforms in carbachol-stimulated insulin secretion from rat pancreatic islets. *Life Sci* 77:462-469
17. Kaneko Y, Ishikawa T, Amano S, Nakayama K. (2003) Dual effect of nitric oxide on cytosolic Ca^{2+} concentration and insulin secretion in rat pancreatic β-cells. *Am J Physiol Cell Physiol* 284: C1215-C1222
18. Ishikawa T, Kaneko Y, Sugino F, Nakayama K. (2003) Two distinct effects of cGMP on cytosolic Ca^{2+} concentration of rat pancreatic β-cells. *J Pharmacol Sci* 91: 41-46
19. Nakada S, Ishikawa T, Yamamoto Y, Kaneko Y, Nakayama K. (2003) Constitutive nitric oxide synthases in rat pancreatic islets: direct imaging of glucose-induced nitric oxide production inβ-cells. *Pflugers Arch-Eur J Physiol* 447: 305-311
20. Sugino F, Ishikawa T, Nakada S, Kaneko Y, Yamamoto Y, Nakayama (2002) Inhibition by nitric oxide of Ca^{2+} responses in rat pancreatic α-cells. *Life Sci* 71: 81-89