

教員詳細情報

九州看護福祉大学

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略歴	<p>学歴： 富山医科薬科大学薬学部卒業 富山医科薬科大学大学院薬学研究科博士課程修了</p> <p>職歴： 日本学術振興会特別研究員 岡崎国立共同研究機構生理学研究所博士研究員 自治医科大学医学部生理学講座助手 自治医科大学医学部生理学講座講師 自治医科大学医学部生理学講座准教授 医療創生大学薬学部教授 九州看護福祉大学看護福祉学部看護学科教授</p>
取得学位	博士(薬学)(富山医科薬科大学)
担当科目	病態生理学 薬理学 感染症学
専門分野	生理学、薬理学、内分泌学、糖尿病学
所属学会	日本生理学会(評議員) 日本肥満学会(評議員) 日本薬理学会 日本薬学会 日本糖尿病学会
現在の研究テーマ	○糖代謝関連ホルモンの分泌調節と糖尿病治療に関する研究 ○摂食調節と肥満・フレイル治療に関する研究
教育研究業績 (著書・学術論文等)	<p>【主な学術論文】</p> <p>Circadian feeding promotion by Ninjin'yoeito counteracts frailty in aged mice. J Physiol Sci 76, 100062, 2026.</p> <p>GLP-1 and ghrelin inversely regulate insulin secretion and action in pancreatic islets, vagal afferents, and hypothalamus for controlling glycemia and feeding. Am J Physiol Cell Physiol 328, C1793-C1807, 2025.</p> <p>A novel mechanism of imeglimin-mediated insulin secretion via the cADPR-TRP channel pathway. J Diabetes Investig 13, 34-41, 2022.</p> <p>Status of ghrelin as an islet hormone and paracrine/autocrine regulator of insulin secretion. Peptides 148, 170681, 2022.</p> <p>β-Cell-specific deletion of HMG-CoA (3-hydroxy-3-methylglutaryl-coenzyme A) reductase causes overt diabetes due to reduction of β-cell mass and impaired insulin secretion. Diabetes 69, 2352-2363, 2020.</p>

	<p>Ninjin'yoeito targets distinct Ca²⁺ channels to activate ghrelin-responsive vs. unresponsive NPY neurons in the arcuate nucleus. <i>Front Nutr</i> 7, 104, 2020.</p> <p>GLP-1 release and vagal afferent activation mediate the beneficial metabolic and chronotherapeutic effects of D-allulose. <i>Nature Commun</i> 9, 113, 2018.</p> <p>Endogenous α2A-adrenoceptor-operated sympathoadrenergic tones attenuate insulin secretion via cAMP/TRPM2 signaling. <i>Diabetes</i> 66, 699-709, 2017.</p> <p>Inhibition of Y1 receptor signaling improves islet transplant outcome. <i>Nature Commun</i> 8, 490, 2017.</p> <p>Total gastrectomy-induced reductions in food intake and weight are counteracted by rikkunshito by attenuating glucagon-like peptide-1 elevation in rats. <i>Surgery</i> 159, 1342-1350, 2016.</p> <p>Potential of glucose-stimulated insulin secretion by the GPR40-PLC-TRPC pathway in pancreatic β-cells. <i>Sci Rep</i> 6, 25912, 2016.</p> <p>The β-cell GHSR and downstream cAMP/TRPM2 signaling account for insulinostatic and glycemic effects of ghrelin. <i>Sci Rep</i> 5, 14041, 2015.</p> <p>Partial blockade of Kv2.1 channel potentiates GLP-1's insulinotropic effects in islets and reduces its dose required for improving glucose tolerance in type 2 diabetic male mice. <i>Endocrinology</i> 156, 114-123, 2015.</p> <p>Involvement of cAMP/EPAC/TRPM2 activation in glucose- and incretin-induced insulin secretion. <i>Diabetes</i> 63, 3394-3403, 2014.</p> <p>Lack of TRPM2 impaired insulin secretion and glucose metabolisms in mice. <i>Diabetes</i> 60, 119-126, 2011.</p> <p>Ghrelin attenuates cAMP-PKA signaling to evoke insulinostatic cascade in islet β-cells. <i>Diabetes</i> 60, 2315-2324, 2011.</p> <p>Regulation of voltage-gated K⁺ channels by glucose metabolism in pancreatic β-cells. <i>FEBS Lett</i> 583, 2225-2230, 2009.</p> <p>Nesfatin-1-regulated oxytocinergic signaling in the paraventricular nucleus causes anorexia through a leptin-independent melanocortin pathway. <i>Cell Metab</i> 10, 355-365, 2009.</p> <p>Ghrelin uses Gαi2 and activates voltage-dependent K⁺ channels to attenuate glucose-induced Ca²⁺ signaling and insulin release in islet β-cells: novel signal transduction of ghrelin. <i>Diabetes</i> 56, 2319-2327, 2007.</p> <p>Blockade of pancreatic islet-derived ghrelin enhances insulin secretion to prevent high-fat diet-induced glucose intolerance. <i>Diabetes</i> 55, 3486-3493, 2006.</p> <p>Endogenous ghrelin in pancreatic islets restricts insulin release by attenuating Ca²⁺ signaling in β-cells: implication in the glycemic control in rodents. <i>Diabetes</i> 53, 3142-3151, 2004.</p>
社会活動・社会貢献	<p>第 43 回東北薬学セミナー特別講演 第 37 回福島県高等学校生徒理科学研究発表会・審査員 Dual Seminar in 福井講演 自治医科大学公開講座「肥満と糖尿病」講演 Frontiers in Endocrinology (Associate Editor) 日本アンチ・ドーピング機構公認スポーツファーマシスト 高校模擬講義:会津若松ザベリオ学園高等学校 高校模擬講義:福島県立いわき湯本高校</p>