日本語

日本栄養大学大学院
日本栄養大学
日本栄養大学短期大学部

Faculty Members

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KURIHARA YUKIKO

Faculty of Nutrition
Professor

■ Education

1.	1982/04～1988/03	Faculty of Medicine, Chiba University, Graduated,
2.	1994/12/21 Degree Acquisition	The University of Tokyo,

■ Career

1.	2024/08～	International Researh Center for Medical Sciences
2.	2024/04～	Isotope Science Center,The Univesity of Tokyo
3.	2024/04～	Kagawa Nutrition University Faculty of Nutrition Professor
4.	2023/04～2024/03	University of Tokyo Medical Science Graduate Program Physiological Chemistry and Metabolism Associate Professor
5.	2008/04～2023/04	University of Tokyo Medical Science Graduate Program Physiological Chemistry and Metabolism
6.	2002/05～2008/03	University of Tokyo Medical Science Graduate Program Physiological Chemistry and Metabolism Assistant Professor
7.	1998/04～2002/04	The University of Tokyo Hospital / University of Tsukuba PMDA Researher Postdoc
8.	1995/04～1998/03	The University of Tokyo Hospital / Japan Society for the Promorion of Sciemce
9.	1990/06～1995/03	National Institute of Health and Nutrition Researher Postdoc
10.	1988/06～1990/05	The University of Tokyo Hospital

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■ Courses Previously Taught

1. biochemistry（The University of Tokyo）
2. nutritional physiology（Kagawa Nutrition University）
3. Anatomical physiology（Kagawa Nutrition University）
4. Imaging examination（Kagawa Nutrition University）
5. Physiological function testing（Kagawa Nutrition University）
6. Health promotion sports medicine（Kagawa Nutrition University）

5件表示

■ Research Interests/Keywords

Key Word : adipocyte, odesity&emaciation, development, rare disease

■ Publications

1.	Journal Articles	Elevated blood pressure and craniofacial abnormalities in mice deficient in endothelin-1.（Collaboration） 1994/04
2.	Journal Articles	Role of endothelin-1 in stress response in the central nervous system.（Collaboration） 2000
3.	Journal Articles	An endothelin-1 switch specifies maxillomandibular identity.（Collaboration） 2008

4. Journal Articles Mandibulofacial dysostosis with alopecia results from gain-of-ETAR function via allosteric effects on ligand binding. (Collaboration) 2023/02
5. Journal Articles G Protein-Mediated Allosteric Modulation of Ligand Binding in Class A GPCRs: Receptor-Ligand-Transducer Ensembles in Disease and Drug Discovery. (Collaboration) 2026/08
6. Journal Articles Hox/Meis-dependent gene-regulatory transition underlies cardiopharyngeal neural crest diversification. (Collaboration) 2026/09
7. Journal Articles Biallelic truncating variants in VGLL2 cause syngnathia in humans. (Collaboration) 2023
8. Journal Articles Coordinated linear and rotational movements of endothelial cells compartmentalized by VE-cadherin drive angiogenic sprouting (Collaboration) 2023
9. Journal Articles Semaphorin3E-PlexinD1 signaling is required for coronary artery and lymphatic vessel development, with clinical implications in myocardial recovery. (Collaboration) 2021
10. Journal Articles Probing the origin of matching functional jaws: roles of Dlx5/6 in cranial neural crest cells. (Collaboration) 2018
11. Journal Articles Amniogenic somatopleure: a novel origin of multiple cell lineages contributing to the cardiovascular system. (Collaboration) 2017
12. Journal Articles Postotic and preotic cranial neural crest cells differently contribute to thyroid development. (Collaboration) 2016
13. Journal Articles Developmental genetic bases behind the independent origin of the tympanic membrane in mammals and diapsids. (Collaboration) 2015
14. Journal Articles Distinct effects of Hoxa2 overexpression in cranial neural crest populations reveal that the mammalian hyomandibular-ceratohyal boundary maps within the styloid process. (Collaboration) 2015
15. Journal Articles Facial whisker pattern is not sufficient to instruct a whisker-related topographic map in the mouse somatosensory brainstem. (Collaboration) 2015
16. Journal Articles Mutations in the endothelin receptor type A cause mandibulofacial dysostosis with alopecia. (Collaboration) 2015
17. Journal Articles Calpain-6 deficiency promotes skeletal muscle development and regeneration. (Collaboration) 2013
18. Journal Articles Endothelin regulates neural crest deployment and fate to form great vessels through Dlx5/Dlx6-independent mechanisms. (Collaboration) 2013
19. Journal Articles Preotic neural crest cells contribute to coronary artery smooth muscle involving endothelin signalling. (Collaboration) 2012
20. Journal Articles Angiogenic morphogenesis driven by dynamic and heterogeneous collective endothelial cell movement. (Collaboration) 2011
21. Journal Articles Calcitonin gene-related peptide facilitates revascularization during hindlimb ischemia in mice. (Collaboration) 2011
22. Journal Articles Calpain 6, a microtubule-stabilizing protein, regulates Rac1 activity and cell motility through interaction with GEF-H1. (Collaboration) 2011
23. Journal Articles Identification and developmental analysis of endothelin receptor type-A expressing cells in the mouse kidney. (Collaboration) 2011
24. Journal Articles Endothelin receptor type-A expression defines a distinct cardiac subdomain within the heart field, with a later implication of this signaling pathway in chamber myocardium formation. (Collaboration) 2010
25. Journal Articles Establishment of mice expressing EGFP in the placode-derived inner ear sensory cell lineage and FACS-array analysis focused on the regional specificity of the otocyst. (Collaboration) 2010
26. Journal Articles Evolving maps in craniofacial development. (Collaboration) 2010
27. Journal Articles Jaw muscularization requires Dlx expression by cranial neural crest cells. (Collaboration) 2010
28. Journal Articles Sirt3 protects in vitro-fertilized mouse preimplantation embryos against oxidative stress-induced p53-mediated developmental arrest. (Collaboration) 2010
29. Journal Articles AMPK activation increases phosphorylation of GSK3β and thereby reduces CRE transcriptional activity and PEPCK-C gene expression in the liver. (Collaboration) 2008
30. Journal Articles Maintenance of genomic methylation patterns during preimplantation development requires the somatic form of DNA methyltransferase 1 (Collaboration) 2008

31. Journal Articles Multiple renal cysts, urinary concentration defects, and pulmonary emphysematous changes in mice lacking TAZ. (Collaboration) 2008
32. Journal Articles Neuronal system-dependent facilitation of tumor angiogenesis and tumor growth by calcitonin gene-related peptide. (Collaboration) 2008
33. Journal Articles Recombinase-mediated cassette exchange revealed the selective use of Gq/G11-dependent and -independent endothelin-1/endothelin type-A receptor signaling in pharyngeal arch development. (Collaboration) 2008
34. Journal Articles Roles of calcitonin gene-related peptide in facilitation of wound healing and angiogenesis. (Collaboration) 2008
35. Journal Articles Roles of calcitonin gene-related peptide in maintenance of gastric mucosal integrity and in enhancement of ulcer healing and angiogenesis. (Collaboration) 2008
36. Journal Articles Calcitonin gene-related peptide mediates acid-induced lung injury in mice. (Collaboration) 2007
37. Journal Articles Calpain 6 is involved in microtubule stabilization and cytoskeletal organization. (Collaboration) 2007
38. Journal Articles Molecular dynamics of retinoic acid-induced craniofacial malformations: implications for the origin of gnathostome jaws. (Collaboration) 2007
39. Journal Articles Protein kinase A-regulated nucleocytoplasmic shuttling of Id1 during angiogenesis. (Collaboration) 2007
40. Journal Articles Transcriptional activity of Pax3 is co-activated by TAZ. (Collaboration) 2006
41. Journal Articles Id1 gene transfer confers angiogenic property on fully differentiated endothelial cells and contributes to therapeutic angiogenesis. (Collaboration) 2005
42. Journal Articles Endothelin-1 regulates the dorsoventral branchial arch patterning in mice. (Collaboration) 2004
43. Journal Articles Temporal requirement of signaling cascade involving endothelin-1/endothelin A receptor in branchial arch development. (Collaboration) 2004
44. Journal Articles Endothelin-1 regulates cardiac sympathetic innervation in the rodent heart by controlling nerve growth factor expression. (Collaboration) 2003
45. Journal Articles Structural and functional characterization of gastric mucosa and central nervous system in histamine H2 receptor-null mice. (Collaboration) 2003
46. Journal Articles Targeted disruption of adrenomedullin and aCGRP genes reveals their distinct biological roles. (Collaboration) 2003
47. Journal Articles Attenuation of antigen-induced airway hyperresponsiveness in CGRP-deficient mice. (Collaboration) 2002
48. Journal Articles Renal damage and salt-dependent hypertension in aged transgenic mice overexpressing endothelin-1. (Collaboration) 2002
49. Journal Articles Resistance to neointimal hyperplasia and fatty streak formation in adrenomedullin overexpression mice. (Collaboration) 2002
50. Journal Articles Diet-induced hyperhomocysteinemia exacerbates neointima formation in rat carotid arteries after baloon injury. (Collaboration) 2001
51. Journal Articles Elevated sympathetic nervous activity in mice deficient in aCGRP. (Collaboration) 2001
52. Journal Articles Evidence for the physiological and pathological roles of adrenomedullin from genetic engineering in mice. (Collaboration) 2001
53. Journal Articles Vascular abnormalities and elevated blood pressure in mice lacking adrenomedullin gene. (Collaboration) 2001
54. Journal Articles ADAMTS-1: a metalloproteinase-disintegrin essential for normal growth, fertility and organ morphology and function. (Collaboration) 2000
55. Journal Articles Evidence for association between paraoxonase gene polymorphisms and atherosclerotic diseases. (Collaboration) 2000
56. Journal Articles Hypotension and resistance to lipopolysaccharide-induced shock in transgenic mice overexpressing adrenomedullin in their vasculature. (Collaboration) 2000
57. Journal Articles Induction of heme oxygenase-1 can act protectively against cardiac ischemia/reperfusion in vivo. (Collaboration) 2000

58. Journal Articles Molecular cloning of the bovine MYOC and induction of its expression in trabecular meshwork cells. (Collaboration) 2000
59. Journal Articles Role of endothelin-1 in stress response in the central nervous system. (Collaboration) 2000
60. Journal Articles D919G polymorphism of the methionine synthase gene. Association with homocysteine metabolism and late-onset vascular diseases in the Japanese population. (Collaboration) 1999
61. Journal Articles Disruption of ET-1 gene enhances pulmonary responses to methacholine via functional mechanism in knockout mice. (Collaboration) 1999
62. Journal Articles Endothelin and neural crest development. (Collaboration) 1999
63. Journal Articles Endothelin in the central control of cardiovascular and respiratory functions. (Collaboration) 1999
64. Journal Articles Responses of blood pressure and neurohumoral factors to high salt loading in endothelin-1 knockout mice. (Collaboration) 1999
65. Journal Articles A role for macrophage scavenger receptors in atherosclerosis and susceptibility to infection (Collaboration) 1998/03
66. Journal Articles A signaling cascade involving endothelin-1, dHAND and Msx1 regulates development of neural crest-derived branchial arch mesenchyme. (Collaboration) 1998
67. Journal Articles Airway hyperresponsiveness to methacholine in mutant mice deficient in endothelin-1. (Collaboration) 1998
68. Journal Articles Cardiac sarcoidosis. (Collaboration) 1998
69. Journal Articles Gene expression of bone matrix proteins and endothelin receptors in endothelin-1-deficient mice revealed by in situ hybridization. (Collaboration) 1998
70. Journal Articles Methylenetetrahydrofolate reductase (MTHFR) gene polymorphism and ischemic stroke in Japanese. (Collaboration) 1998
71. Journal Articles Renal sympathetic nerve activity in mice: comparison between mice and rats and between normal and endothelin-1 deficient mice. (Collaboration) 1998
72. Journal Articles Systemic and renal response to salt loading in endothelin-1 knockout mice. (Collaboration) 1998
73. Journal Articles Upregulation of endothelin-1 and adrenomedullin gene expression in mouse endotoxin shock model. (Collaboration) 1998
74. Journal Articles A role for macrophage scavenger receptors in atherosclerosis and susceptibility to infection. (Collaboration) 1997
75. Journal Articles Genetic polymorphism of 5,10-methylenetetrahydrofolate reductase (MTHFR) as a risk factor for coronary artery disease. (Collaboration) 1997
76. Journal Articles Germ-line contribution of embryonic stem cells in chimeric mice: influence of karyotype and in vitro differentiation ability. (Collaboration) 1997
77. Journal Articles Physiological role of brain endothelin in the central autonomic control: from neuron to knockout mice. (Collaboration) 1997
78. Journal Articles The macrophage scavenger receptor type A is expressed by activated Macrophages and protects the host against lethal endotoxic shock. (Collaboration) 1997
79. Journal Articles The multiple roles of macrophage scavenger receptors (MSR) in vivo: Resistance to atherosclerosis and susceptibility to infection in MSR knockout mice. (Collaboration) 1997
80. Journal Articles The role of endothelin-1 in cardiovascular development. (Collaboration) 1997
81. Journal Articles Endothelin-1 regulates normal cardiovascular development and cardiac cellular hypertrophy. (Collaboration) 1996
82. Journal Articles Impaired ventilatory responses to hypoxia and hypercapnia in mutant mice deficient in endothelin-1. (Collaboration) 1996
83. Journal Articles Multiple roles for endothelin 3 in melanocyte development: Regulation of progenitor number and stimulation of differentiation. (Collaboration) 1996
84. Journal Articles Role for the class A macrophage scavenger receptor in the phagocytosis of apoptotic thymocytes in vitro. (Collaboration) 1996

85. Journal Articles Sequence analysis, chromosomal location and developmental expression of the mouse preproendothelin-1 gene. (Collaboration) 1996
86. Journal Articles Aortic arch malformations and ventricular septal defect in mice deficient in endothelin-1. (Collaboration) 1995
87. Journal Articles Gene expression of endothelin isoforms and receptors in endothelin-1-knockout mice. (Collaboration) 1995
88. Journal Articles Impaired development of the thyroid and thymus in endothelin-1 knockout mice. (Collaboration) 1995
89. Journal Articles Power spectral analysis of arterial blood pressure in mice: comparison between normal and endothelin-1 gene knocked out mice. (Collaboration) 1995
90. Journal Articles Role of endothelin in central cardiorespiratory control: modern and classical approaches. (Collaboration) 1995
91. Journal Articles Targeting gene expression to the vascular wall in transgenic mice using the murine preproendothelin-1 promoter. (Collaboration) 1995
92. Journal Articles Establishment of mice carrying the mutant endothelin-1 gene by gene targeting (Collaboration) 1994
93. Journal Articles Isolation and characterization of vascular endothelial cells derived from mice lacking endothelin-1. (Collaboration) 1994
94. Journal Articles Production of a germ-line chimera by coculture of zona-free embryos with frozen-thawed embryonic stem cells. (Collaboration) 1994
95. Journal Articles Renal endothelin and hypertension - reply. (Collaboration) 1994
96. Journal Articles Stenotic bicuspid aortic valve associated with a ventricular septal defect in an adult presenting with congestive heart failure: a rare observation. (Collaboration) 1994
97. Journal Articles Charged collagen structure mediates the recognition of negatively charged macromolecules by macrophage scavenger receptors. (Collaboration) 1993
98. Journal Articles Structure, organization, and chromosomal mapping of the human macrophage scavenger receptor gene. (Collaboration) 1993
99. Journal Articles Macrophage scavenger receptors. (Collaboration) 1991

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■ Memberships

1. 2000～ The Molecular Biology Society of Japan