

### 研究成果の刊行に関する一覧表

雑誌

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Ogawa, Y., Mukoyama, M., Yokoi, H., Kasahara, M., Mori, K., Kato, Y., Kuwabara, T., Imamaki, H., Kawanishi, T., Koga, K., Ishii, A., Tokudome, T., Kishimoto, I., Sugawara, A., Nakao, K.	Natriuretic peptide receptor guanylyl cyclase-A protects podocytes from aldosterone-induced glomerular injury.	J Am Soc Nephrol	23	1198-209	2012
Minami T, Kuwahara K, Nakagawa Y, Takaoka M, Kinoshita H, Nakao K, Kuwabara Y, Yamada Y, Yamada C, Shibata J, Usami S, Yasuno S, Nishikimi T, Ueshima K, Sata M, Nakano H, Seno T, Kawahito Y, Sobue K, Kimura A, Nagai R, Nakao K.	Reciprocal expression of MRTF-A and myocardin in crucial for pathological vascular remodelling in mice.	EMBO J	31	4428-40	2012
Yokoi, H., Kasahara, M., Mori, K., Ogawa, Y., Kuwabara, T., Imamaki, H., Kawanishi, T., Koga, K., Ishii, A., Kato, Y., Mori, P. K., Toda, N., Ohno, S., Muramatsu, H., Muramatsu, T., Sugawara, A., Mukoyama, M., and Nakao, K.	Pleiotrophin triggers inflammation and increased peritoneal permeability leading to peritoneal fibrosis.	Kidney Int	81	160-9	2012
Kuwabara, T., Mori, K., Mukoyama, M., Kasahara, M., Yokoi, H., Saito, Y., Ogawa, Y., Imamaki, H., Kawanishi, T., Ishii, A., Koga, K., Mori, PK., Kato, Y., Sugawara, A., Nakao, K.	Exacerbation of diabetic nephropathy by hyperlipidaemia is mediated by toll-like receptor 4 in mice.	Diabetologia	81	2256-66	2012
L. Miyamoto, K. Ebihara, T. Kusakabe, D. Aotani, S. Yamamoto-Kataoka, T. Sakai, M. Aizawa-Abe, Y. Yamamoto, J. Fujikura, T. Hayashi, K. Hosoda, K. Nakao.	Leptin activates hepatic 5' AMP-Activated Protein Kinase through sympathetic nervous system and $\alpha 1$ adrenergic receptor: A potential mechanism for improvement of fatty liver in lipodystrophy by leptin.	J Biol Chem	287	40441-7	2012
M. Iwanishi, K. Ebihara, T. Kusakabe, S. Harada, J. Ito-Kobayashi, A. Tsuji, K. Hosoda, K. Nakao K.	Premature atherosclerosis in a Japanese diabetic patient with atypical familial partial lipodystrophy and hypertriglyceridemia.	Intern Med	51	2573-9	2012
D. Aotani, K. Ebihara, N. Sawamoto, T. Kusakabe, M. Aizawa-Abe, S. Kataoka, T. Sakai, H. Iogawa, C. Ebihara, J. Fujikura, K. Hosoda, H. Fukuyama, K. Nakao.	Functional Magnetic Resonance Imaging Analysis of Food-Related Brain Activity in Patients with Lipodystrophy Undergoing Leptin Replacement Therapy.	J Clin Endocrinol Metab	97	3663-71	2012

N. Yamada-Goto, G. Katsuura, Y. Ochi, K. Ebihara, T. Kusakabe, K. Hosoda, K. Nakao.	Impairment of fear-conditioning responses and changes of brain neurotrophic factors in diet-induced obese mice.	J Neuroendocrinol	24	1120-5	2012
T. Kusakabe, K. Ebihara, T. Sakai, L. Miyamoto, D. Aotani, Y. Yamamoto, S. Yamamoto-Kataoka, M. Aizawa-Abe, J. Fujikura, K. Hosoda, K. Nakao.	Amylin improves the effect of leptin on insulin sensitivity in leptin-resistant diet-induced obese mice.	Am J Physiol Endocrinol Metab	302	E924-31	2012
Yokoi, H., Kasahara, M., Mori, K., Kuwabara, T., Toda, N., Yamada, R., Namoto, S., Yamamoto, T., Seki, N., Sojima, N., Yamaguchi, T., Sugawara, A., Mukoyama, M., and Nakao, K.	Peritoneal fibrosis and high transpore induced in mildly pre-injured peritoneum by 3,4-dideoxyglucosone-3-ene in mice.	Perit Dial Int	33	143-54	2013
Nishikimi T, Okamoto H, Nakamura M, Ogawa N, Horii K, Nagata K, Nakagawa Y, Kinoshita H, Yamada C, Nakao K, Minami T, Kuwabara Y, Kuwahara K, Masuda I, Kangawa K, Minamino N, Nakao K.	Direct immunochemiluminescent assay for proBNP and total BNP in human plasma proBNP and total BNP levels in normal and heart failure	PLoS One	8	e53233	2013
Nishikimi T, Kuwahara K, Nakagawa Y, Kangawa K, Minamino N, Nakao K.	Complexity of melicular forms of B-type natriuretic peptide in heart failure.	Heart	99	677-9	2013
Hitomi T, Habu T, Kobayashi H, Okuda H, Harada KH, Osafune K, Taura D, Sone M, Asaka I, Ameku T, Watanabe A, Kasahara T, Sudo T, Shiota F, Hashikata H, Takagi Y, Morito D, Miyamoto S, Nakao K, Koizumi A.	The moyamoya disease susceptibility variant RNF213 R4810K (rs112735431) induces genomic instability by mitotic abnormality	Biochem Biophys Res Commun	439	419-26	2013
Hitomi T, Habu T, Kobayashi H, Okuda H, Harada KH, Osafune K, Taura D, Sone M, Asaka I, Ameku T, Watanabe A, Kasahara T, Sudo T, Shiota F, Hashikata H, Takagi Y, Morito D, Miyamoto S, Nakao K, Koizumi A.	Downregulation of Securin by the variant RNF213 R4810K (rs112735431, G>A) reduces angiogenic activity of induced pluripotent stem cell-derived vascular endothelial cells from moyamoya patients.	Biochem Biophys Res Commun	438	13-9	2013
Honda K, Sone M, Tamura N, Sonoyama T, Taura D, Kojima K, Fukuda Y, Tanaka S, Yasuno S, Fujii T, Kinoshita H, Ariyasu H, Kanamoto N, Miura M, Yasoda A, Arai H, Ueshima K, Nakao K.	Adrenal reserve function after unilateral adrenalectomy in patients with primary aldosteronism.	J Hypertens	31	2010-7	2013
Aizawa-Abe M, Ebihara K, Ebihara C, Mashimo T, Takizawa A, Tomita T, Kusakabe T, Yamamoto Y, Aotani D, Yamamoto-Kataoka S, Sakai T, Hosoda K, Serikawa T, Nakao K.	Generation of leptin-deficient Lepmkyo/Lepmkyo rats and identification of leptin-responsive genes in the liver.	Physiol Genomics	45	786-93	2013

Noguchi M, Hosoda K, Nakane M, Mori E, Nakao K, Taura D, Yamamoto Y, Kusakabe T, Sone M, Sakurai H, Fujikura J, Ebihara K, Nakao K.	In vitro characterization and engraftment of adipocytes derived from human induced pluripotent stem cells and embryonic stem cells.	Stem Cells Dev	22	2895-905	2013
Fujikura J, Hosoda K, Nakao K	Cell transplantation therapy for diabetes mellitus: endocrine pancreas and adipocyte.	Endocr J	60	697-708	2013
Kitamoto A, Kitamoto T, Mizusawa S, Teranishi H, So R, Matsuo T, Nakata Y, Hyogo H, Ochi H, Nakamura T, Kamohara S, Miyatake N, Kotani K, Komatsu R, Itoh N, Mineo I, Wada J, Yoneda M, Nakajima A, Funahashi T, Miyazaki S, Tokunaga K, Masuzaki H, Ueno T, Chayama K, Hamaguchi K, Yamada K, Hanafusa T, Oikawa S, Sakata T, Tanaka K, Matsuzawa Y, Nakao K, Sekine A, Hotta K.	NUDT3 rs206936 is associated with body mass index in obese Japanese women.	Endocr J	60	991-1000	2013
Ida M, Hirata M, Odori S, Mori E, Kondo E, Fujikura J, Kusakabe T, Ebihara K, Hosoda K, Nakao K.	Early changes of abdominal adiposity detected with weekly dual bioelectrical impedance analysis during calorie restriction.	Obesity	21	E350-3	2013
Bando M, Iwakura H, Ariyasu H, Koyama H, Hosoda K, Adachi S, Nakao K, Kangawa K, Akamizu T.	Overexpression of intraislet ghrelin enhances $\beta$ -cell proliferation after streptozotocin-induced $\beta$ -cell injury in mice.	Am J Physiol Endocrinol Metab	305	E140-8	2013
Uosaki H, Magadum A, Seo K, Fukushima H, Takeuchi A, Nakagawa Y, Moyes KW, Narazaki G, Kuwahara K, Laflamme M, Matsuoka S, Nakatsuji N, Nakao K, Kwon C, Kass DA, Engel FB, Yamashita JK..	Identification of Chemicals Inducing Cardiomyocyte Proliferation in Developmental Stage-Specific Manner with Pluripotent Stem Cells.	Circ Cardiovasc Genet	6	624-33	2013
Yasuno S, Kuwahara K, Kinoshita H, Yamada C, Nakagawa Y, Usami S, Kuwabara Y, Ueshima K, Harada M, Nishikimi T, Nakao K.	Angiotensin II Type 1a receptor signaling directly contributes to the increased arrhythmogenicity in cardiac hypertrophy	Br J Pharmacol	170	1384-95	2013

Nishikimi T, Kuwahara K, Nakagawa Y, Kangawa K, Nakao K.	Adrenomedullin in Cardiovascular Disease: A Useful Biomarker, Its Pathological Roles and Therapeutic Application.	Curr Protein Pept Sci	14	256-67	2013
Kuwabara Y, Kuwahara K, Takano M, Kinoshita H, Arai Y, Yasuno S, Nakagawa Y, Igata S, Usami S, Minami T, Yamada Y, Nakao K, Yamada C, Shibata J, Nishikimi T, Ueshima K, Nakao K.	Increased Expression of HCN Channels in the Ventricular Myocardium Contributes to Enhanced Arrhythmicity in Mouse Failing Hearts.	J Am Heart Assoc	2	E000150	2013
Funayama A, Shishido T, Netsu S, Narumi T, Kadowaki S, Takahashi H, Miyamoto T, Watanabe T, Woo CH, Abe JI, Kuwahara K, Nakao K, Takeishi Y, Kubota I	Cardiac nuclear High Mobility Group Box 1 prevents the development of cardiac hypertrophy and heart failure.	Cardiovasc Res	99	657-64	2013
Nishikimi T, Okamoto H, Nakamura M, Ogawa N, Horii K, Nagata K, Nakagawa Y, Kinoshita H, Yamada C, Nakao K, Minami T, Kuwabara Y, Kuwahara K, Masuda I, Kangawa K, Minamino N, Nakao K.	Direct Immunochemiluminescent Assay for proBNP and Total BNP in Human Plasma proBNP and Total BNP Levels in Normal and Heart Failure.	PLoS One	8	E53233	2013
Matsumoto E, Sasaki S, Kinoshita H, Kito T, Ohta H, Konishi M, Kuwahara K, Nakao K, Itoh N	Angiotensin II-induced cardiac hypertrophy and fibrosis are promoted in mice lacking Fgf16.	Genes Cells	18	544-53	2013
Kitamoto T, Kitamoto A, Yoneda M, Hyogo H, Ochi H, Nakamura T, Teranishi H, Mizusawa S, Ueno T, Chayama K, Nakajima A, Nakao K, Sekine A, Hotta K.	Genome-wide scan revealed that polymorphisms in the PNPLA3, SAMM50, and PARVB genes are associated with development and progression of nonalcoholic fatty liver disease in Japan.	Hum Genet	132	783-92	2013
Sone M, Nakao K	Vascular research using human pluripotent stem cells and humoral factors	Endocr J	60	397-402	2013
Yamada-Goto N, Katsuura G, Ebihara K, Inuzuka M, Ochi Y, Yamashita Y, Kusakabe T, Yasoda A, Satoh-Asahara N, Ariyasu H, Hosoda K, Nakao K.	Intracerebroventricular administration of C-type natriuretic peptide suppresses food intake via activation of the melanocortin system in mice.	Diabetes	62	1500-4	2013

Hotta K, Kitamoto A, Kitamoto T, Mizusawa S, Teranishi H, So R, Matsuo T, Nakata Y, Hyogo H, Ochi H, Nakamura T, Kamohara S, Miyatake N, Kotani K, Itoh N, Mineo I, Wada J, Yoneda M, Nakajima A, Funahashi T, Miyazaki S, Tokunaga K, Masuzaki H, Ueno T, Chayama K, Hamaguchi K, Yamada K, Hanafusa T, Oikawa S, Sakata T, Tanaka K, Matsuzawa Y, Nakao K, Sekine A.	Replication study of 15 recently published Loci for body fat distribution in the Japanese population.	J Atheroscler Thromb	20	336-50	2013
Sakai T, Kusakabe T, Ebihara K, Aotani D, Yamamoto-Kat aoka S, Zhao M, Gumbilai VM, Ebihara C, Aizawa-Ab e M, Yamamoto Y, Noguchi M, Fujikura J, Hosoda K, Ina gaki N, Nakao K	Leptin restores the insulinotropic effect of exenatide in a mouse model of type 2 diabetes with increased adiposity induced by streptozotocin and high-fat diet.	Am J Physiol Endocrinol Metab	307	E712-719	2014
Tanaka M, Yamaguchi S, Yamazaki Y, Kinoshita H, Kuwahara K, Nakao K, Jay PY, Noda T, Nakamura T.	Somatic chromosomal translocation between <i>Ewsr1</i> and <i>Fli1</i> loci leads to dilated cardiomyopathy in a mouse model	Sci Rep	5	7826	2015
Oshita K, Itoh M, Hirashima S, Kuwabara Y, Ishihara K, Kuwahara K, Nakao K, Kimura T, Nakamura K, Ushijima K, Takano M.	Ectopic automaticity induced in ventricular myocytes by transgenic overexpression of HCN2	J Mol Cell Cardiol	80	81-89	2015
Yamada Y, Kinoshita H, Kuwahara K, Nakagawa Y, Kuwabara Y, Minami T, Yamada C, Shibata J, Nakao K, Cho K, Arai Y, Yasuno S, Nishikimi T, Ueshima K, Kamakura S, Nishida M, Kiyonaka S, Mori Y, Kimura T, Kanga wa K, Nakao K	Inhibition of N-type Ca <sup>2+</sup> channels ameliorates an imbalance in cardiac autonomic nerve activity and prevents lethal arrhythmias in mice with heart failure	Cardiovascular Research	104	183-93	2014
Nakagawa Y, Nishikimi T, Kuwahara K, Yasuno S, Kinoshita H, Kuwabara Y, Nakao K, Minami T, Yamada C, Ueshima K, Ikeda Y, Okamoto H, Horii K, Nagata K, Kan gawa K, Minamino N, Nakao K.	The Effects of Super-Flux (High Performance) Dialyzer on Plasma Glycosylated Pro-B-Type Natriuretic Peptide (proBNP) and Glycosylated N-Terminal proBNP in End-Stage Renal Disease Patients on Dialysis	PLoS One	9	e92314	2014

Kuwabara T, Mori K, Mukoyama M, Kasahara M, Yokoi H, Nakao K	Macrophage-mediated glucolipototoxicity via myeloid-related protein 8/toll-like receptor 4 signaling in diabetic nephropathy	Clin Exp Nephrol	18	584-592	2014
Kuwabara T, Mori K, Kasahara M, Yokoi H, Imamaki H, Ishii A, Koga K, Sugawara A, Yasuno S, Ueshima K, Morikawa T, Konishi Y, Imanishi M, Nishiyama A, Nakao K, Mukoyama M.	Predictive significance of kidney myeloid-related protein 8 expression in patients with obesity- or type 2 diabetes-associated kidney diseases.	PLoS One	9	e88942	2014
Tomita T, Hosoda K, Fujikura J, Inagaki N, <u>Nakao K.</u>	The G-Protein-Coupled Long-Chain Fatty Acid Receptor GPR40 and Glucose Metabolism.	Front Endocrinol	5	152	2014
Kanda J, Mori K, Kawabata H, Kuwabara T, Mori KP, Imamaki H, Kasahara M, Yokoi H, Mizumoto C, Thoennisen NH, Koeffler HP, Barasch J, Takaori-Kondo A, Mukoyama M, Nakao K.	An AKI biomarker lipocalin 2 in the blood derives from the kidney in renal injury but from neutrophils in normal and infected conditions.	Clin Exp Nephrol	19	99-106	2014
Ebihara C, Ebihara K, Aizawa-Abe M, Mashimo T, Tomita T, Zhao M, Gumbilai V, Kusakabe T, Yamamoto Y, Aotani D, Yamamoto-Kataoka S, Sakai T, Hosoda K, Serikawa T, Nakao K.	Seipin is necessary for normal brain development and spermatogenesis in addition to adipogenesis.	Hum Mol Genet		In press	2015