

Naoya Koizumi, Masuo Kondoh, Hiroyuki Mizuguchi, Tsuyoshi Nakanishi, Akane Masuyama; Fumie Ida; Makiko Fujii, Takao Hayakawa; Emi Nakashima, Keiichi Tanaka, Yoshiteru Watanabe	Comparison of transgene expression mediated by several fiber-modified adenovirus vectors in trophoblast cells	Placenta	in press		
Kenji Kawabata, Hiroyuki Mizuguchi, Fuminori Sakurai, Teruhide Yamaguchi, Takao Hayakawa	Efficient Gene Transfer into Mouse Embryonic Stem Cells with Adenovirus Vectors	Mol. Ther.	submitted		
Satoru Kamoda, Chie Nomura, Mitsuhiro Kinoshita, Saori Nishiura, Rika Ishikawa, Kazuaki Kakehi, Nana Kawasaki and Takao Hayakawa	Profiling Analysis of Oligosaccharides in Antibody Pharmaceuticals by Capillary Electrophoresis	J. Chromatogr. A	1050	211-216	2004
早川堯夫、永田龍二	安全性評価の国内規制と技術商品化のための規制、医薬品	遺伝子組換え体 安全性評価システムガイドブック、(株)エヌ・ティー・エス、東京、	印刷中		
早川堯夫	バイオロジクスの将来展望と課題、バイオロジクス	生体由来物質を用いた製品開発、(社)高分子学会編、(株)エヌ・ティー・エス、東京		5-42	2004
新見 伸吾, 川西 徹, 早川 堯夫	抗体医薬の現状と展望	医薬品研究	印刷中		
Takuo Suzuki, Tomoko Mogami, Hiroshi Kawai, Tetsu Kobayashi, Youichi Shinozaki, Yoji Sato, Toshihiro Hashimoto, Yoshinori Asakawa, Kazuhide Inoue, Yasuo Ohno, Takao Hayakawa and Toru Kawanishi	Screening of novel nuclear receptor agonists by a convenient reporter gene assay system using green fluorescent protein derivatives	Phytomedicine	in press		
Noritaka Hashii, Nana Kawasaki, Satsuki Itoh, Masashi Hyuga, Toru Kawanishi and Takao Hayakawa	Glycomic/glycoproteomic analysis by liquid chromatography/mass spectrometry: Analysis of glycan structural alteration in the cells	Proteomics	submitted		
J. Yuan, Noritaka Hashii, Nana Kawasaki, Satsuki Itoh, Toru Kawanishi and Takao Hayakawa	Isotope tag method for quantitative analysis of carbohydrates by liquid chromatography/mass spectrometry	J. Chromatogr. A.	submitted		
Noritaka Hashii, Nana Kawasaki, Satsuki Itoh, Toru Kawanishi and Takao Hayakawa	Structural characterization of oligosaccharide sequence and linkage using linear ion trap tandem mass spectrometer	Rapid Commun. Mass Spectrom.	submitted		

Satsuki Itoh, Akira Harazono, Nana Kawasaki, Noritaka Hashii, Yukari Matsuishi, Toru Kawanishi and Takao Hayakawa	Glycosylation analysis of lycoproteins by LC/MS/MS: analysis of glycosylation site-specific heterogeneity	J. Electrophoresis	in press		
水口裕之, 早川堯夫	ウイルスベクター	Drug Delivery System	in Press		
Asami Ino, Yasuhiro Naito, Hiroyuki Mizuguchi, Naofumi Handa, Takao Hayakawa, Ichizo Kobayashi	Attempt for somatic gene targeting <i>in vivo</i> with a mutation-reporter mouse system: use of a replication-defective adenovirus vector for gene transfer	J. Gene Med.	Submitted		
早川堯夫、永田龍二	再生医療分野における指針・ガイドライン：再生医療の適正かつ効果的な推進を目指して： Approaches for Appropriate and Effective Promotion of Regenerative Medicine	再生医療	3(3)	11-19	2004
水口裕之、川端健二、櫻井文教、早川堯夫	改良型アデノウイルスベクターを用いた造血幹細胞、間葉系幹細胞、ES細胞への高効率遺伝子導入：Efficient gene transfer into hematopoietic stem cell, mesenchymal stem cell, and ES cell by modified adenovirus vectors	炎症・再生	印刷中		
Yuka Okada, Naoki Okada, Hiroyuki Mizuguchi, Takao Hayakawa, Shinsaku Nakagawa, Tadanori Mayumi	Transcriptional targeting of RGD fiber-mutant adenovirus vectors can improve the safety of suicide gene therapy for murine melanoma	Cancer Gene Ther.	in press		
Nasimuzzaman M, Kuroda M, Dohno S, Yamamoto T, Iwatsuki K, Matsuzaki S, Rashel M, Kumita W, Mizuguchi H, Hayakawa T, Nakamura H, Taguchi T, Wakiguchi H, Imai S.	Eradication of Epstein-Barr Virus Episome and Associated Inhibition of Infected Tumor Cell Growth by Adenovirus Vector-Mediated Transduction of Dominant-Negative EBNA1	Mol Ther.	in press		
Jian-Qing Gao, Toshiki Sugita, Naoko Kanagawa, Keisuke Iida, Yusuke Eto, Yoshiaki Motomura, Hiroyuki Mizuguchi, Yasuo Tsutsumi, Takao Hayakawa, Tadanori Mayumi, Shinsaku Nakagawa	: A single intratumoral injection of a fiber-mutant adenoviral vector encoding interleukin 12 induces remarkable anti-tumor and anti-metastatic activity in mice with Meth-A fibrosarcoma	Biochem. Biophys. Res. Commun.	in press		
Fuminori Sakurai, Hiroyuki Mizuguchi, Kenji Kawabata, Teruhide Yamaguchi, and Takao Hayakawa	Optimization of adenovirus serotype 35 vectors for efficient transduction in human hematopoietic progenitors: comparison of promoter activities	Gene Ther.	submitted		
Hiroyuki Mizuguchi, Tomomi Sasaki, Kenji Kawabata, Fuminori Sakurai, Takao Hayakawa	Fiber-modified adenovirus vectors mediate efficient gene transfer into human mesenchymal stem cells and adipocytes	Gene Ther.	submitted		

Satsuki ITOH, Akira Harazono, Nana KAWASAKI, Noritaka HASHII, Yukari Matsuishi, Toru KAWANISHI, Takao HAYAKAWA	Glycosylation analysis of glycoproteins by LC/MS/WS: analysis of glycosylation sites and of site-specific heterogeneity	J. Electrophoresis	48	5-10	2004
Okamoto T., Mukai Y., Yoshioka Y., Shibata H., Kawamura M., Yamamoto Y., Nakagawa S., Kamada H., Hayakawa T., Mayumi T., Tsutsumi Y.	The Optimal Construction of Non-immune scFv phage display library from mouse bone marrow and spleen established to select specific scFvs binding to antigens efficiently.	Biochem. Biophys. Res. Commun.	323(2)	583-591	2004
Taki M., Kagawa S., Nishizaki M., Mizuguchi H., Hayakawa T., Kyo S., Nagai K., Urata Y., Tanaka N., Fujiwara T.	Enhanced oncolysis by a tropism-modified telomerase-specific replication-selective adenoviral agent OBP-405 ('Telomelysin-RGD')	Oncogene	in press		
Niimi, S., Harashima, M., Takayama, K., Hara, M., Hyuga, M., Seki, T., Ariga, T., Kawanishi, T., Hayakawa, T.	Thrombomodulin enhances the invasive activity of mouse mammary tumor cells.	J. Biochem (Tokyo)	in press		(2005)
Yoshioka Y., Tsutsumi Y., Ikemizu S., Yamamoto Y., Shibata H., Nishibata T., Mukai Y., Okamoto T., Taniai M., Shimizu T., Kawamura M., Abe Y., Nakagawa S., Nagata S., Yamagata Y., Mayumi T.	Optimal site-specific PEGylation of mutant TNF-alpha improves its antitumor potency.	Biochem. Biophys. Res. Commun.	315(4)	808-814	2004
Kaneda Y., Tsutsumi Y., Yoshioka Y., Kamada H., Yamamoto Y., Kodaira H., Tsunoda S., Okamoto T., Mukai Y., Shibata H., Nakagawa S., Mayumi T.	The use of PVP as a polymeric carrier to improve the plasma half-life of drugs.	Biomaterials	25(16)	3259-3266	2004
Yamamoto Y., Tsutsumi Y., Yoshioka Y., Kamada H., Kamada-Sato K., Okamoto T., Mukai Y., Nakagawa S., Mayumi T.	Poly(vinylpyrrolidone-co-dimethyl maleic acid) as a novel renal targeting carrier.	J. Control. Release.	95(2)	229-237	2004
Kodaira H., Tsutsumi Y., Yoshioka Y., Kamada H., Kaneda Y., Yamamoto Y., Tsunoda S., Okamoto T., Mukai Y., Shibata H., Nakagawa S., Mayumi T.	The targetting of anionized polyvinylpyrrolidone to the renal system.	Biomaterials.	25	4309-4315	2004
Yoshioka Y., Tsutsumi Y., Kamada H., Kihira T., Tsunoda S., Yamamoto Y., Okamoto T., Shibata H., Mukai Y., Taniai M., Shimizu T., Kawamura M., Abe Y., Nakagawa S., Mayumi T.	Selective enhancer of tumor vascular permeability for optimization of cancer chemotherapy.	Biol. Pharm. Bull.	27	437-439	2004
Kamada H., Tsutsumi Y., Yoshioka Y., Yamamoto Y., Kodaira H., Tsunoda S., Okamoto T., Mukai Y., Shibata H., Nakagawa S., Mayumi T.	Design of a pH-sensitive polymeric carrier for drug release and its application in cancer therapy.	Clin. Cancer Res.	10(7)	2545-2550	2004

Yoshioka Y., Tsutsumi Y., Mukai Y., Shibata H., Okamoto T., Kaneda Y., Tsunoda S., Kamada H., Koizumi K., Yamamoto Y., Mu Y., Kodaira H., Kamada-Sato K., Nakagawa S., Mayumi T.	Effective accumulation of poly(vinylpyrrolidone-co-vinyl laurate) into the spleen.	J. Biomed. Materials Res.	70A(2)	219-223	2004
Yoshikawa T., Imazu S., Gao J.Q., Hayashi K., Tsuda Y., Shimokawa M., Sugita T., Niwa T., Oda A., Akashi M., Tsutsumi Y., Mayumi T., Nakagawa S.	Augmentation of antigen specific immune responses using DNA-fusogenic liposome vaccine.	Biochem. Biophys. Res. Commun.	325(2)	500-505	2004
Shibata H., Yoshioka Y., Ikemizu S., Kobayashi K., Yamamoto Y., Mukai Y., Okamoto T., Taniai M., Kawamura M., Abe Y., Nakagawa S., Nagata S., Yamagata Y., Mayumi T., Tsutsumi Y. :	Functionalization of TNF-alpha using phage display technique and PEGylation improves its antitumor therapeutic window.	Clin. Cancer Res.	10(24)	8293-8300	2004
Yoshioka Y., Tsutsumi Y., Nakagawa S., Mayumi T. :	Recent progress on tumor missile therapy and tumor vascular targeting therapy as a new approach.	Curr. Vasc. Pharmcol.	2	259-270	2004
Okamoto T., Nakagawa S., Tsutsumi Y.	The optimal molecular design of polymeric drug carriers and its application for renal drug targeting.	Gene Ther. Mol. Biol.	8	221-229	2004
Shibata H., Nakagawa S., Mayumi T., Tsutsumi Y.:	Development of novel drug delivery system for proteomic-based drug development.	Biol. Pharm. Bull.	27(10)	1483-1488	2004
堤 康央	たんぱく療法の最適化に叶う DDS の開発を目指して。	薬剤学(生命とくすり)	64(3)	159-163	2004
柴田寛子, 真弓忠範, 堤 康央	たんぱく療法の最適化に叶う新たな薬物送達戦略。	医学のあゆみ.	210 (9)	730-736	2004
堤 康央 :	プロテオーム創薬に叶う DDS 基盤技術の開発。	薬学雑誌	124(11)	769-780	2004
向 洋平, 真弓忠範, 堤 康央	ファージ表面提示法を駆使した機能性人工たんぱく質の創製と DDS への応用。	Bio ベンチャー	4(6)	65-68	2004
Sugita T., Yoshikawa T., Gao J.Q., Shimokawa M., Oda A., Niwa T., Akashi M., Tsutsumi Y., Mayumi T., Nakagawa S.	Fusogenic liposome can be used as an effective vaccine carrier for peptide vaccination to induce CTL response.	Biol. Pharm. Bull.	28(1)	192-193	2005
Shibata H., Shinsaku Nakagawa, Tsutsumi Y.:	Optimization of protein therapies by polymer-conjugation as an effective DDS.	Molecules	10	162-180	2005
Mori K., Miyazato M., Iida T., Murakami N., Serino R., Ueda Y., Kojima M., Kangawa K.	Identification of neuromedin S and its possible role in the mammalian circadian oscillator system.	EMBO J	24	325- 335	2005

Hosoda H, Doi K, Nagaya N, Okumura H, Nakagawa E, Enomoto M, Ono F, Kangawa K.	Optimum collection and storage conditions for ghrelin measurements: octanoyl modification of ghrelin is rapidly hydrolyzed to desacyl ghrelin in blood samples.	Clin Chem	50	1077-1080	2004
Hanada T, Toshinai K, Date Y, Kajimura N, Tsukada T, Hayashi Y, Kangawa K, Nakazato M.	Upregulation of ghrelin expression in cachectic nude mice bearing human melanoma cells.	Metabolism	53	84-88	2004
Suzuki H, Masaoka T, Hosoda H, Ota T, Minegishi Y, Nomura S, Kangawa K, Ishii H.	<i>Helicobacter pylori</i> infection modifies gastric and plasma ghrelin dynamics in Mongolian gerbils.	Gut	53	187-194	2004
Shibata K, Hosoda H, Kojima M, Kangawa K, Makino Y, Makino I, Kawarabayashi T, Futagami K, Gomita Y.	Regulation of ghrelin secretion during pregnancy and lactation in the rat: possible involvement of hypothalamus.	Peptides	25	279-287	2004
Nakai Y, Hosoda H, Nin K, Ooya C, Hayashi H, Akamizu T, Kangawa K.	Short-term secretory regulation of active form of ghrelin and total ghrelin during oral glucose tolerance test in patients with anorexia nervosa.	Eur Endocrinol J	150	913-914	2004
Itoh T, Nagaya N, Yoshikawa M, Fukuoka A, Takenaka H, Shimizu Y, Haruta Y, Oya H, Yamagishi M, Hosoda H, Kangawa K, Kimura H.	Elevated plasma ghrelin level in underweight patients with chronic obstructive pulmonary disease.	Am J Respir Crit Care Med	170	879-882	2004
S. Takeda, T. Okada, M. Okamura, T. Haga, J. Isoyama-Tanaka, H. Kuwahara and N. Minamino:	The receptor-Gα fusion protein as a tool for ligand screening: a model study using a nociceptin receptor-Gαi2 fusion protein.	J. Biochem. (Tokyo)	135	597-604	2004
S.M. Guan, H. Nagata, K. Maeda, M. Kuboniwa, N. Minamino and S. Shizukuishi	Purification and characterization of a hemoglobin-binding outer membrane protein of <i>Prevotella intermedia</i> .	FEMS Microbiol Lett	235	333-339	2004
Y. Takei, S. Hyodo, T. Katafuchi and N. Minamino	Fish-derived novel adrenomedullin in mammals: its structure and function.	Peptides	25	1643-1656	2004
T. Katafuchi and N. Minamino:	Structure and biological properties of three calcitonin receptor-stimulating peptides, novel members of the calcitonin gene-related peptide family.	Peptides	25	2039-2045	2004
佐々木一樹、磯山正治、南野直人：	ペプチドーム解析の現状と展望	実験医学	23	585-592	2005
Akazawa, C., Nakamura, Y., Sango, K., Horie, H. and Kohsaka, S.:	Distribution of the galectin-1 mRNA in the rat nervous system; its transient upregulation in rat facial motor neurons after facial nerve axotomy.	Neurosci	125	171-178	2004

Akazawa, C., Tsuzuki, H., Nakamura, Y., Sasaki Y., Ohsaki, K., Nakamura, S. Arakawa, Y. and Kohsaka, S.:	The upregulated expression of sonic hedgehog in motor neurons after rat facial nerve axotomy.	J. Neurosci.	24	7923-7930	2004
Nakajima, K., Tohyama, Y., Kurihara, T. and Kohsaka, S.:	Axotomy-dependent urokinase induction in the rat facial nucleus: possible stimulation of microglia by neurons.	Neurochem Int	46	107-116	2005
Kamitori, K., Tanaka, M. and Kohsaka, S.	Receptor related to tyrosine kinase RYK regulates cell migration during cortical development	Biochem Biophys Res Commun.	in Press		2005
Hirasawa, T., Ohsawa, K., Imai, Y., Ondo, Y., Uchino, S. and Kohsaka, S.	Visualization of microglia in living tissues by using Iba-1EGFP transgenic mice.,	J. Neurosci. Res.	in press		2005
Castegna, A., Thongboonkerd, V., Klein, J., Lynn, B., Wang, Y.L., Osaka, H., Wada, K. and Butterfield, D.A.	Proteomic analysis of brain proteins in the gracile axonal dystrophy (gad) mouse, a syndrome that emanates from dysfunctional ubiquitin carboxyl-terminal hydrolase L-1, reveals oxidation of key proteins.	J. Neurochem.	88	1540-1546	2004
Bonin, M., Poths, S., Osaka, H., Wang, Y.L., Wada, K. and Riess, O.	Microarray expression analysis of gad mice implicates involvement of Parkinson's disease associated UCH-L1 in multiple metabolic pathways.	Mol Brain Res	126	88-97	2004
Wang, Y.L., Takeda, A., Osaka, H., Hara, Y., Furuta, A., Setsuie, R., Sun, Y.J., Kwon, J., Sato, Y., Sakurai, M., Noda, M., Yoshikawa, Y. and Wada, K.	Accumulation of β - and γ -synucleins in the ubiquitin C-terminal hydrolase L1 deficient gad mouse.	Brain Res	1019	1-9	2004
Kwon, J., Wang, Y.L., Setsuie, R., Sekiguchi, S., Sato, Y., Sakurai, M., Noda, M., Aoki, S., Yoshikawa, Y. and Wada, K.	Two closely related ubiquitin C-terminal hydrolase isozymes function as reciprocal modulators of germ cell apoptosis in cryptorchid testes.	Am. J. Pathol.	165	1367-1374	2004
Kubota, T., Furuumi, H., Kamoda, T., Iwasaki, N., Tobita, N., Fujiwara, N., Goto, Y., Matsui, A., Sasaki, H. and Kajii, T.	ICF syndrome in a girl with DNA hypomethylation but without detectable DNMT3B mutation.	American J. of Medical Genetics	129A	290-293	2004
Yamashita R, Fujiwara Y, Yuan X, Yazuda K, Kaburagi Y.	2D-LC-MS/MS Analysis of secreted proteins from HepG2 cells.	J Electrophoresis	in press		
Yamashita R, Yazuda K, Kaburagi Y.	Proteomic analysis of proteins secreted from hepatocytes.	J Mass Spectrom Soc Jpn	in press		
Yasuda E, Tokuda H, Ishisaki A, Hirade K, Kanno Y, Hanai Y, Nakamura N, Noda T, Katagiri Y, Kozawa O.	PPAR- γ ligands up-regulate basic fibroblast growth factor-induced VEGF release through amplifying SAPK/JNK activation in osteoblasts.	Biochem Biophys Res Commun.	328	137-143	2005

Kanno Y, Ishisaki A, Yoshida M, Nakajima K, Tokuda H, Numata O, Kozawa O.	Adenylyl cyclase-cAMP system inhibits thyroid hormone-stimulated osteocalcin synthesis in osteoblasts.	Mol Cell Endocrinol.	229	75-82	2005
Kanno Y, Tokuda H, Nakajima K, Ishisaki A, Shibata T, Numata O, Kozawa O.	Involvement of SAPK/JNK in prostaglandin E ₁ -induced VEGF synthesis in osteoblast-like cells.	Mol Cell Endocrinol.	220	89-95	2004
Tokuda H, Niwa M, Ishisaki A, Nakajima K, Ito H, Kato K, Kozawa O.	Involvement of stress-activated protein kinase (SAPK)/c-Jun N-terminal kinase (JNK) in prostaglandin F _{1α} -induced heat shock protein 27 in osteoblasts.	Prost Leukot Essent Fatty Acids	70	441-447	2004
Ishisaki A, Tokuda H, Yoshida M, Hirade K, Kunieda K, Hatakeyama D, Shibata T, Kozawa O.	Activation of p38 mitogen-activated protein kinase mediates thyroid hormone-stimulated osteocalcin synthesis in osteoblasts..:.	Mol Cell Endocrinol.	214	189-195	2004
Tokuda H, Kanno Y, Ishisaki A, Takenaka M, Harada A, Kozawa O.	Interleukin (IL)-17 enhances tumor necrosis factor-α-stimulated IL-6 synthesis via p38 mitogen-activated protein kinase in osteoblasts.	J Cell Biochem.	91	1053-1061	2004
Uchiyama S, Kobayashi S, Takata H, Ishihara T, Hori N, Higashi T, Hayashihara K, Sone T, Higo D, Nirasawa T, Takao T, Matsunaga S, Fukui K.:	Proteome analysis of human metaphase chromosomes.	J Biol. Chem.	in press.		
Wada A, Wang AP, Isomoto H, Satomi Y, Takao T, Takahashi A, Awata S, Nomura T, Fujii Y, Kohno S, Okamoto K, Moss J, Millan JL, Hirayama T.:	Placental and intestinal alkaline phosphatases are receptors for <i>Aeromonas sobria</i> hemolysin.	Int J Med Microbiol.	294	427-435	2005
Satomi Y., Kudo Y., Sasaki K., Takao T.	Accurate Mass Measurement in Nanoflow Electrospray Ionization Mass Spectrometry by Alternately Potentiating Sample and Reference Sprayers.	Rapid Commun. Mass Spectrom.	19	540-546	2005
Kassai H., Satomi Y., Fukada Y., Takao T.	Top-Down Analysis of Protein Isoprenylation by Electrospray Ionization Hybrid Quadrupole-TOF Tandem Mass Spectrometr.	Rapid Commun. Mass Spectrom.	19	269-274	2005
Teranishi H, Muneoka Y, Takao T, Shimonishi Y, Kojima M.	Isolation and characterization of four VIP-related peptides from red-bellied newt	Cynops pyrrhogaster. Regul. Pept.	15:123	173-179	2004
Satomi Y., Shimonishi Y., Takao T.	Site-specific Carbohydrate Profiling of Human Transferrin by Nano-flow Liquid Chromatography/Electrospray Ionization Mass Spectrometry.	Rapid Commun. Mass Spectrom.	18	2983-2988	2004
Satomi Y., Shimonishi Y., Takao T.	N-glycosylation at Asn491 in the Asn-Xaa-Cys motif of Human Transferrin.	FEBS letters	576	51-56	2004

Nishiwaki T., Satomi Y., Nakajima M., Lee C., Kiyohara R., Kageyama H., Kitayama Y., Temamoto M., Yamaguchi A., Hijikata A., Go M., Iwasaki H., Takao T., Kondo T.	Role of KaiC phosphorylation in the circadian clock system of <i>Synechococcus elongatus</i> PCC7942.	Proc. Natl. Acad. Sci. U S A.	101	13927-13932	2004
Fernandez-de-Cossio J., Gonzalez L.J., Satomi Y., Betancourt L., Ramos Y., Huerta V., Besada V., Padron G., Minamino N., Takao T.	Automated Interpretation of Mass Spectra of Complex Mixtures by Isotope Peak Matching.	Rapid Commun. Mass Spectrom.	18	2465-2472	2004
Fernandez-de-Cossio J., Gonzalez L.J., Satomi Y., Betancourt L., Ramos Y., Huerta V., Amaro A., Besada V., Padron G., Minamino N., Takao T.	Isotopica: a tool for the calculation and viewing of complex isotopic envelopes.	Nucleic Acids Res.	32	674-678	2004
Wada H., Doki Y., Nishioka K., Ishikawa O., Kabuto T., Yano M., Monden M., Imaoka S.	Clinical outcome of esophageal cancer patients with history of gastrectomy.	J Surg Oncol	89(2)	67-74.	2005
Murata K., Miyoshi E., Ihara S., Noura S., Kameyama M., Ishikawa O., Doki Y., Yamada T., Ohigashi H., Sasaki Y., Higashiyama M., Tarui T., Takada Y., Kannagi R., Taniguchi N., Imaoka S.	Attachment of human colon cancer cells to vascular endothelium is enhanced by N-acetylglucosaminyltransferase V.	Oncology	66(6)	492-501	2004
Uemura M., Sasaki Y., Yamada T., Eguchi H., Ohigashi H., Doki Y., Murata K., Miyashiro I., Ishikawa O., Takami H., Kobayashi T., Imaoka S.	Surgery for hepatocellular carcinoma with tumor thrombus extending into the right atrium: report of a successful resection without the use of cardiopulmonary bypass.	Hepatogastroenterology	51(59)	1259-1262	2004
Ishikawa O., Ohigashi H., Eguchi H., Yokoyama S., Yamada T., Takachi K., Miyashiro I., Murata K., Doki Y., Sasaki Y., Imaoka S.	Long-term follow-up of glucose tolerance function after pancreaticoduodenectomy: comparison between pancreaticogastrostomy and pancreaticojejunostomy.	Surgery.	136(3)	617-623	2004
Fujita T., Sasaki Y., Iwao K., Miyoshi Y., Yamada T., Ohigashi H., Ishikawa O., Imaoka S.	Prognostic significance of beta-catenin nuclear expression in hepatocellular carcinoma.	Hepatogastroenterology	51(58)	921-924	2004
Ohigashi H., Ishikawa O., Eguchi H., Yamada T., Sasaki Y., Noura S., Takachi K., Miyashiro I., Murata K., Doki Y., Imaoka S.	Early ligation of the inferior pancreaticoduodenal artery to reduce blood loss during pancreaticoduodenectomy.	Hepatogastroenterology	51(55)	4-5	2004
Akita H., Doki Y., Ishikawa O., Takachi K., Miyashiro I., Sasaki Y., Ohigashi H., Murata K., Noura S., Yamada T., Eguchi H., Imaoka S.	Total removal of the posterior mediastinal gastric conduit due to gastric cancer after esophagectomy.	J Surg Oncol	85(4)	204-208	2004

Komori T, Sasaki Y, Yamada T, Ohigashi H, Ishikawa O, Inoue E, Ishiguro S, Seki T, Imaoka S.	Unusual atrophic change after repeated arterial therapy for hepatocellular carcinoma: report of a case.	Surg Today	34(1)	76-79	2004
--	--	------------	-------	-------	------

III 研究成果の刊行に関する一覧表

雑誌・書籍

発表者氏名	論文タイトル名	発表誌名	巻名	ページ	出版年
Ida T, Mori K, Miyazato M, Egi Y, Abe S, Nakahara K, Nishiara M, Kangawa K, Murakami N	Neuromedin S is a novel anorexigenic hormone.	Endocrinology	146	4217-4223	2005
Shousha S, Nakahara K, Sato M, Mori K, Miyazato M, Kangawa K, Murakami N.	Effect of neuromedin S on feeding regulation in the Japanese quail.	Neurosci Lett.	391	87-90	2006
Mondal MS, Date Y, Yamaguchi H, Toshinai K, Tsuruta T, Kangawa K, Nakazato M	Identification of ghrelin and its receptor in neurons of the rat arcuate nucleus.	Regul Pept.	126	55-59	2005
N. Minamino, H. Kuwahara, Y. Kuwahara-Matsui, J. Isoyama-Tanaka, T. Kihara, M. Matsubae, T. Katafuchi, T. Takao, M. Isoyama	Peptidome database and identification of new endogenous/ bioactive peptides	Peptide Science 2004		29-32	2005
佐々木一樹, 南野直人	循環器病学におけるペプチ ドミクス	分子心血管病	6	599-606	2005
K. Hamano, T. Katafuchi, K. Kikumoto, N. Minamino	Calcitonin receptor-stimulating peptide-1 regulates ion transport and growth of renal epithelial cell line LLC-PK1	Biochem. Biophys. Res.Commun.	330	75-80	2005

T. Katafuchi, K. Hamano, K. Kikumoto, N. Minamino	Isolation and characterization of a glycine-extended form of calcitonin receptor-stimulating peptide-1: another biologically active form of calcitonin receptor-stimulating peptide-1	Peptides	26	2616-2623	2005
Sugita T., Yoshikawa T., Gao J.Q., Shimokawa M., Oda A., Niwa T., Akashi M., Tsutsumi Y., Mayumi T., Nakagawa S.	Fusogenic liposome can be used as an effective vaccine carrier for peptide vaccination to induce CTL response,	Biol. Pharm. Bull.	28(1)	192-193	2005
Gao J.Q., Sugita T., Kanagawa N., Iida K., Eto Y., Motomora Y., Mizuguchi H., Tsutsumi Y., Hayakawa T., Mayumi T., Nakagawa S.	A single intratumoral injection of a fiber-mutant adenoviral vector encoding interleukin 12 induces remarkable anti-tumor and anti-metastatic activity in mice with Meth-A fibrosarcoma.	Biochem. Biophys. Res. Commun	328	1043-1050	2005
Eto Y., Gao J.Q., Sekiguchi F., Kurachi S., Katayama K., Maeda M., Kawasaki K., Mizuguchi H., Hayakawa T., Tsutsumi Y., Mayumi T., Nakagawa S.	PEGylated adenovirus vectors containing RGD peptides on the tip of PEG show high transduction efficiency and antibody evasion ability.	J. Gene Med.	7	604-612	2005
Kunisawa J., Masuda T., Katayama K., Yoshikawa T., Tsutsumi Y., Akashi M., Mayumi T., Nakagawa S.	Fusogenic liposome delivers encapsulated nanoparticles for cytosolic controlled gene release.	J. Control. Release	105(3)	344-353	2005
Gao J.Q., Sugita T., Kanagawa N., Iida K., Okada N., Mizuguchi H., Nakayama T., Hayakawa T., Yoshie O., Tsutsumi Y., Mayumi T., Nakagawa S.	Anti-tumor responses induced by chemokine CCL19 transfected into an ovarian carcinoma model via fiber-mutant adenovirus vector.	Biol. Pharm. Bull	28(6)	1066-1070	2005

Yoshikawa T., Okada N., Tsujino M., Gao J.Q., Hayashi A., Tsutsumi Y., Mayumi T., Yamamoto A., Nakagawa S.	Vaccine efficacy of fusogenic liposomes containing tumor celllysate against murine B16BL6 melanoma.	Biol. Pharm. Bull	29(1)	100-104	2006
Yoshikawa T., Imazu S., Gao J.Q., Hayashi K., Tsuda S., Okada N., Tsutsumi Y., Akashi M., Mayumi T., Nakagawa S.	Nonmethylated CpG motifs packaged into fusogenic liposomes enhance antigenspecific immunity in mice	Biol. Pharm. Bull.	29(1)	105-109	2006
池田眞一	疾患関連たんぱく質解析研究・創薬プロテオームファクトリープロジェクト	ファルマシア	42(1)	57-61	2006

III 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
Yanyang Zhao, Satsuki Itoh, Xiangchun Wang, Tomoya Isaji, Eiji Miyoshi, Yoshinobu Kariya, Kaoru Miyazaki, Nana Kawasaki, Naoyuki Taniguchi, and Jianguo Gu	Deletion of core fucosylation on α 3 β 1 integrin down-regulates its functions.	J. Biol. Chem.	281	38343-38350	2006
Yanyang Zhao, Yakatoshi Nakagawa, Satsuki Itoh, Kei-ichiro Inamori, Tomoya Isaji, Yoshinobu Kariya, Akihiro Kondo, Eiji Miyoshi, Kaoru Miyazaki, Nana Kawasaki, Naoyuki Taniguchi, Jianguo Gu	N-acetylglucosaminyltransferase III antagonizes the effect of N-acetylglucosaminyltransferase V on α 3 β 1 integrin-mediated cell migration.	J. Biol. Chem.	281	32122-32130	2006
Imai S., Mukai Y., Nagano K., Shibata H., Sugita T., Abe Y., Nomura T., Tsutsumi Y., Kamada H., Nakagawa S., Tsunoda S.	Quality enhancement of the non-immune phage scFv library to isolate effective antibodies.	Biol. Pharm. Bull.	29	1325-1330	2006

Mukai Y., Sugita T., Yamato T., Yamanada N., Shibata H., Imai S., Abe Y., Nagano K., Nomura T., Tsutsumi Y., Kamada H., Nakagawa S., Tsunoda S.	Creation of novel protein transduction domain (PTD) mutants by a phage display-based high-throughput screening system.	Biol. Pharm. Bull.	29	1570-1574	2006.
Kawamura M., Shibata H., Okamoto T., Mukai Y., Sugita T., Abe Y., Imai S., Nomura T., Nagano K., Mayumi T., Nakagawa S., Tsutsumi Y., Kamada H., Tsunoda S.	A novel method for construction of gene fragment library to searching epitopes.	Biochem. Biophys. Res. Commun.	346	198-204	2006
Mukai Y., Okamoto T., Kawamura M., Shibata H., Sugita T., Imai S., Abe Y., Nagano K., Nomura T., Kamada H., Tsutsumi Y., Mayumi T., Nakagawa S., Tsunoda S.	Optimization of anti-tumor necrosis factor-alpha single chain Fv displayed on phages for creation of functional antibodies.	Pharmazie	61	889-890	2006
Yoshikawa T., Imazu S, Gao J.Q., Hayashi K., Tsuda Y., Okada N., Tsutsumi Y., Akashi M., Mayumi T., Nakagawa S.	Non-methylated CpG motif packaged into fusogenic liposomes enhance antigen-specific immunity in mice.	Biol. Pharm. Bull.	29	105-109	2006

Yoshikawa T., Okada N., Tsujino M., Gao J.Q., Hayashi A., Tsutsumi Y., Mayumi T., Yamamoto A., Nakagawa S.	Vaccine efficacy of fusogenic liposomes containing tumor cell-lysate against murine B16BL6 melanoma.	Biol. Pharm. Bull.	29	100-104	2006
Abe Y., Shibata H., Kamada H., Tsunoda S., Tsutsumi Y., Nakagawa S.	Promotion of optimized protein therapy by bioconjugation as a polymeric DDS.	Current Medicinal Chemistry Anti- Cancer Agent's	6	251-258	2006
鎌田春彦, 堤 康央	創薬の立場からの DDS: プロテオ ーム創薬からの DDS 開発	最新医学	61(6)	73-79	2006
Yoshikawa T., Tsutsumi Y., Nakagawa S.	Development of nanomedicine using intracellular DDS.	Nippon Rinsho	64	247-252	2006
鎌田春彦, 鈴木 宏治	MC-FAN 血液さらさら度への血 小板の寄与	血栓と循環	14(2)	79-83	2006
Sato M, Nakahara K, Goto S, Kaiya H, Miyazato M, Date Y, Nakazato M, <u>Kangawa K</u> , Murakami N.	Effects of ghrelin and des-acyl ghrelin on neurogenesis of the rat fetal spinal cord.	Biochem. Biophys. Res. Commun.	350	598-603	2006
Date Y, Shimbara T, Koda S, Toshinai K, Ida T, Murakami N, Miyazato M, Kokame K, Ishizuka Y, Ishida Y, Kageyama H, Shioda S, <u>Kangawa K</u> , Nakazato M.	Peripheral ghrelin transmits orexigenic signals through the noradrenergic pathway from the hindbrain to the hypothalamus.	Cell Metab.	4	323-331	2006
Chen T, Zhou M, Walker B, Harriot P, Mori K, Miyazato M, <u>Kangawa K</u> , Shaw C.	Structural and functional analogs of the novel mammalian neuropeptide, neuromedin S(NmS), in the dermal venoms of Eurasian bombinid toads.	Biochem. Biophys. Res. Commun.	345	377-384	2006

Toshinai K, Yamaguchi H, Sun Y, Smith RG, Yamanaka A, Sakurai T, Date Y, Mondal MS, Shimbara T, Kawagoe T, Murakami N, Miyazato M, <u>Kangawa K</u> , Nakazato M.	Des-acyl ghrelin induces food intake by a mechanism independent of the growth hormone secretagogue receptor.	Endo-crinology	147	2306-2314	2006
Nakahara K, Nakagawa M, Baba Y, Sato M, Toshinai K, Date Y, Nakazto M, Kojima M, Miyazato M, Kaiya H, Hosoda H, <u>Kangawa K</u> , Murakami N.	Maternal ghrelin plays an important role in rat fetal development during pregnancy.	Endo-crinology	147	1333-1342	2006
K. Komori, M. Konishi, Y. Maruta, M. Toriba, A. Sakai, A. Matsuda, T. Hori, M. Nakatani, N. Minamino T. Akizawa	Characterization of a novel metalloproteinase in Duvernoy's gland of <i>Rhabdophis tigrinus tigrinus</i> .	J. Toxicol. Sci.	31	157-168	2006
S. Nagata, J. Kato, K. Sasaki, N. Minamino, T. Eto, K. Kitamura	Isolation and identification of proangiotensin-12, a possible component of the renin-angiotensin system.	Biochem. Biophys. Res. Commun.	350	1026-1031	2006
Hattori, K., Uchino, S., Isosaka, T., Maekawa, M., Iyo, M., Sato, T., Kohsaka, S., Yagi, T. and Yuasa, S.	Fyn is required for haloperidol-induced catalepsy in mice.	J. Biol. Chem.	281	7129-7135	2006

Uchino, S., Wada, H., Honda, S., Nakamura, Y., Ondo, Y., Uchiyama, T., Tsutsumi, M., Hirasawa, T. and Kohsaka, S.	Direct interaction of PDZ domain-containing synaptic molecule Shank3 with GluR1 AMPA receptor.	J. Neurochem.	97	1203-1214	2006
Yogosawa, S., Kawasaki, M., Wakatsuki, S., Kominami, E., Shiba, Y., Nakayama, K., Kohsaka, S. and Akazawa, C.	Monoubiquitylation of GGA3 by hVPS18 regulates its ubiquitin-binding ability.	Biochem. Biophys. Res. Commun.	350	82-90	2006
Sano, Y., Furuta, A., Setsuie, R., Kikuchi, H., Wang, Y.L., Sakurai, M., Kwon, J., Noda, M. and Wada, K.	Photoreceptor cell apoptosis in the retinal degeneration of Uchl3 deficient mice.	Am. J. Pathol.	169	132-141	2006
Kabuta, T., Suzuki, Y. and Wada, K.	Degradation of amyotrophic lateral sclerosis-linked mutant SOD1 proteins by macroautophagy and the proteasome.	J. Biol. Chem.	281	30524-30533	2006
Setsuie, R., Wang, Y.L., Mochizuki, H., Osaka, H., Hayakawa, H., Ichihara, N., Li, H., Furuta, A., Sano, Y., Sun, Y.J., Kowan, J., Kabuta, T., Yoshimi, K., Aoki, S., Mizuno, Y., Noda, M. and Wada, K.	Dopaminergic neuronal loss in transgenic mice expressing the Parkinson's disease-associated UCH-L1 I93M mutant.	Neurochem. Int.	50	119-129	2007

Murata, M.	Pharmacokinetics of L-dopa special reference to food and aging.	J. Neurology	253	III 47-III 52	2006
Murata, M., Hasegawa, K. and kanazawa, I.	The Japan Zonisamide on PD Study Group. Zonisamide improves motor function in Parkinson disease. A randomized, double-blind study.	Neurology	68	45-50	2007
Funayama, M., Li, Y., Tomiyama, H., Yosino, H., Imamichi, Y., Yamamoto, M., Murata, M., Toda, T., Mizuno, Y. and Hattori, N.	LRRK2 G2385R variant is a risk factor for Parkinson disease in Asian population.	Neuro Report	18	273-275	2007
山下亮、鎌木康志	蛍光ディファレンスゲル二次元電 気泳動による糖尿病病態解析	生物物理化 学	50	193-200	2006
Hanai Y, Tokuda H, Takai S, Harada A, Ohta T and Kozawa O.	Minodronate suppresses prostaglandin F2 α -induced vascular endothelial growth factor synthesis in osteoblasts.	Horm. Meta. Res.	38	152-158	2006
Takai S, Tokuda H, Matsushima-Ni shiwaki R, Hanai Y, Kato K and Kozawa O.	Phosphatidylinositol 3-kinase/Akt plays a role in sphingosine 1-phosphate-stimulated HSP27 induction in osteoblasts.	J. Cell. Biochem.	98	1249-1256	2006
Hanai Y, Tokuda H, Ishisaki A, Matsushima-Ni shiwaki R, Nakamura N, Yoshida M, Takai S, Ohta T, and Kozawa O.	Involvement of p44/p42 MAP kinase in insulin-like growth factor-I-induced alkaline phosphatase activity in osteoblast-like MC3T3-E1 cells.	Mol. Cell. Endocrinol.	251	42-48	2006

Hanai Y, Tokuda H, Ohta T, Nishiwaki-Mats ushima R, Takai S and Kozawa O.	Phosphatidylinositol 3-kinase/Akt auto-regulates PDGF-BB-stimulated interleukin-6 synthesis in osteoblasts.	J. Cell. Biochem.	99	1564-1571	2006
Takai S, Tokuda H, Yoshida M, Yasuda E, Matsushima-Ni shiwaki R, Harada A, Kato K, Kozawa O.	Prostaglandin D2 induces the phosphorylation of HSP27 in osteoblasts: function of the MAP kinase superfamily.	Prosta- glandins Leukot. Essent. Fatty Acids	75	61-67	2006
Takai S, Tokuda H, Hanai Y, Kozawa O.	Phosphatidylinositol 3-kinase/Akt plays a part in tumor necrosis factor- α -induced interleukin-6 synthesis in osteoblasts.	Horm. Meta. Res.	38	563-569	2006
Tanabe K, Tokuda H, Takai S, Matsushima-Ni shiwaki R, Hanai Y, Hirade K, Katagiri Y, Dohi S and Kozawa O	Modulation by the steroid/thyroid hormone superfamily of TGF- β -stimulated VEGF release from vascular smooth muscle cells.	J. Cell. Biochem.	99	187-195	2006
Takada R, Satomi Y, Kurata T, Ueno N, Norioka S, Kondoh H, Takao T, Takada S.	Mono-unsaturated Fatty Acid Modification of Wnt Protein: Its Role in Wnt Secretion.	Develop- mental Cell	11	791-801	2006
Watari A, Takaki K, Higashiyama S, Li Y, Satomi Y, Takao T, Tanemura A, Yamaguchi Y, Katayama I, Shimakage M, Miyashiro I, Takami K, Kodama K, Yutsudo M.	Suppression of tumorigenicity, but not anchorage independence, of human cancer cells by new candidate tumor suppressor gene CapG.	Oncogene	25	7373-7380	2006

Yokosuka T, Yoshinari K, Kobayashi K, Ohtake A, Hirabayashi A, Hashimoto Y, Waki I, Takao T.	Information-Based-Acquisition (IBA) technique with an ion-trap/time-of-flight mass spectrometer for high-throughput and reliable protein profiling.	Rapid Commun. Mass Spectrom.	20	2589-2595	2006
Kita K, Okumura N, Takao T, Watanabe M, Matsubara T, Nishimura O, Nagai K.	Evidence for phosphorylation of rat liver glucose-regulated protein 58, GRP58/ERp57/ER-60, induced by fasting and leptin.	FEBS Lett.	580	199-205	2006
Korekane H., Shida K., Murata K., Ohue M., Sasaki Y., Imaoka S., Miyamoto Y.	Evaluation of laser microdissection as a tool in cancer glycomic studies	Biochem. Biophys. Res. Commun.	352	579-586	2007

書籍

著者氏名	論文タイトル名	書籍全体の 編集者氏名	書籍名	出版社名	出版地	出版年	ページ
高尾敏文	質量分析の可能性 -未知生体分子の探 索ツールとして-		生体の科学	金原一郎記 念医学医療 振興財団／ 医学書院	東京	2005	56巻, 621-625