

### **III. 業績一覧 (2003)**

研究成果の刊行に関する一覧表

分担研究者

書籍

著者氏名	論文 タイトル 名	書籍全体の 編集者名	書籍名	出版社名	出版 地	出版 年	ページ
Tetsuka, T., <u>Okamoto, T.</u>	Oxidative stress and signal transductio n pathway of redox sensor protein.	Eds. R. G. Cutler and H. Rodriguez	Critical Reviews of Oxidative Stress and Aging.	World Scientific Publishing Co. Pte. Ltd	U.S.A	2003	112-127
足立昭夫 上野史子 藤田美歌子	HIV-1, 2		新世紀の感染 症学（下巻）	日本臨床社		2003	497- 502
村上 努 田中勇悦 山本直樹	HIVの感染 機構と抗 HIV薬開発 の現状	吉開泰信	ウイルス・細 菌と感染症が わかる	羊土社	東京	2004	99-106
<u>Misumi,S..</u> Takamune,N. , Shoji, S.	Proteomics of HIV-1 virion.	H. Hondermarck	BIO MEDICAL AND PHARMACEU TICAL APPLICATION S OF PROTEOMIC S	Kluwer Academic Publisher	The Nether land	2003	Chapter 14

雑誌

発表者氏名	論文タイトル	発表誌名	巻号	ページ	出版年
佐藤 裕徳					
Matsuoka-Aizawa S., <u>Sato H.</u> , Hachiya A., Tsuchiya K., Takebe Y., Kimura S., Oka S.	Isolation and Molecular Characterization of a Nelfinavir (NFV)- Resistant Human Immunodeficiency Virus Type 1 That Exhibits NFV- Dependent Enhancement of Replication.	J. Virol.	77	318-327	2003
Kaizu M., <u>Sato H.</u> , Ami Y., Izumi Y., Nakasone T., Tomita Y., Someya K., Takebe Y., Kitamura K., Tochikubo O.,	Infection of macaques with an R5-tropic SHIV bearing a chimeric envelope carrying subtype E V3 loop among subtype	Arch Virol.	148	973-988	2003

Honda M.	B framework.				
Kaizu M., Ami Y., Nakasone T., Sasaki Y., Izumi Y., <u>Sato H.</u> , Takahashi E., Sakai K., Shinohara K., Nakanishi K., Honda M.	Higher levels of IL-18 circulate during primary infection of monkeys with a pathogenic SHIV than with a nonpathogenic SHIV.	Virology.	313(1)	8-12	2003
<u>佐藤裕徳</u>	耐性獲得とウイルスの進化. 現代医療社特集	HIV 感染症－基礎と臨床	第 35巻 6号	33-38	2003
富田康浩、横山勝、仲宗根正、永井美之、 <u>佐藤裕徳</u>	SIV Gp120 コアの機能領域に付加する糖鎖の役割	日本エイズ学会誌	第 5巻 2号	89-91	2003
原田 信志					
Song W., Maeda Y., Tempaku A., <u>Harada S.</u> and Yusa K.	Persistence of mutations during replication of an HIV library containing combinations of selected protease mutations.	Antiviral Res.	In press		
Tominaga M., Kumagai K. and <u>Harada S.</u>	Effect of electrical stimulation on HIV-1-infected HeLa cells cultured on an electrode surface.	Appl. Microbiol. Biotechnol.	61	447-450	2003
Maeda Y., Yusa K. and <u>Harada S.</u>	Enhanced infectivity of HIV-1 by X4 HIV-1 coinfection.	Biochem. Biophys. Res. Commun	308	906-913	2003
松田 善衛					
Yokomaku Y., Miura H., Tomiyama H., Kawana-Tachikawa A., Takiguchi M., Kojima A., Nagai Y., Iwamoto A., <u>Matsuda Z.</u> , Ariyoshi K.	Impaired Processing and Presentation of Cytotoxic T-Lymphocyte (CTL) Epitopes Are Major Escape Mechanisms from CTL Immune Pressure in Human Immunodeficiency Virus Type 1 Infection	J. Virol.	In press		
服部 俊夫					
Ling H., Usami O., Xiao P., Gu HG. and <u>Hattori T.</u>	The N-terminal of the V3 loop in HIV-1 gp 120 is responsible for its conformation-dependent interaction with cell surface molecule(s)	AIDS Res. Hum. Retrovir.	In press		

Sano K., Shirota H., Terui T., <u>Hattori T.</u> and Tamura G.	Oligodeoxy nucleotides without CpG Motifs Work as Adjuvant for the Induction of Th2 Differentiation in a Sequence-Independent Manner.	J. Immunol.	170(5)	2367-2373	2003
Kitamuro T., Takahashi K., Ogawa K., Udono-Fujimori R., Takeda K., Furuyama K., Nakayama M., Sun J., Fujita H., Hida W., <u>Hattori T.</u> , Shirato K., Igarashi K., Shibahara S.	Links Bach1 functions as a hypoxia-inducible repressor for the heme oxygenase-1 gene in human cells.	J Biol. Chem.	278(11)	9125-9133	2003
Nishimaki K., Okada S., Miyamura K., Ohno I., Ashino Y., Sugawara T., Kondo T. and <u>Hattori T.</u>	The possible involvement of human herpesvirus type6 in obliterative bronchiolitis after bone marrow transplantation.	Bone Marrow Transplantation	32	1103-1105	2003
<u>服部俊夫</u> 、凌虹、岡田信司、芦野有悟、宇佐美修	免疫再構築症候群	日本エイズ学会誌	5巻 1号	33-41	2003
<u>服部俊夫</u>	HIV 感染症に発生し CD4 数の著明低下を認めたカリニ肺炎の治療	モダンフィジシャン	23巻 5号	835-837	2003
田代 啓					
Toda H., Tsuji M., Nakano I., Kobuke K., Hayashi T., Kasahara H., Takahashi J., Mizoguchi A., Houtani T., Sugimoto T., Hashimoto N., Theo D. Palmer, Honjo T. and <u>Tashiro K.</u>	Stem Cell-derived Neural Stem/Progenitor Cell Supporting Factor Is an Autocrine/Paracrine Survival Factor for Adult Neural Stem/Progenitor Cells.	J. Biol. Chem.	278	35491-35500	2003
Kanazawa N., <u>Tashiro K.</u> , Inaba K. and Miyachi Y.	Dendritic Cell Immunoactivating Receptor,a Novel C-type Lectin Immunoreceptor,Acts as an Activating Receptor through Association with Fc Receptor $\gamma$ Chain.	J. Biol. Chem.	278	32645-32652	2003

小島 朝人					
Yokomaku Y., Miura H., Tomiyama H., Kawana-Tachikawa A., Takiguchi M., <b>Kojima A.</b> , Nagai Y., Iwamoto A., Matsuda Z. and Ariyoshi K.	Impaired processing and presentation of cytotoxic T-lymphocyte (CTL) epitopes are major escape mechanisms from CTL immune pressure in human immunodeficiency virus type 1 infection.	J. Virol.	In press		
<b>Kojima A.</b> , Yasuda A., Asanuma H., Ishikawa T., Takamizawa A., Yasui K. and Kurata T.	Stable high-producer cell clone expressing virus-like particles of the Japanese encephalitis virus E protein for a second-generation subunit vaccine.	J. Virol.	77	8745-8755	2003
間 陽子					
Tajima S., Takahashi M., Takeshima S., Konnai S., Watarai S., Yin S., Tanaka Y., Onuma M., Okada K. and <b>Aida Y.</b>	A mutant form of the Tax protein of bovine leukemia virus (BLV) with enhanced transactivation activity, increases the expression and propagation of BLV <i>in vitro</i> but not <i>in vivo</i> .	J. Virol.	77	1894-1903	2003
Tajima S., Tsukamoto M. and <b>Aida Y.</b>	Latency of viral expression <i>in vivo</i> is not related to CpG methylation in the U3 and part of the R region of the long terminal repeat of bovine leukemia virus.	J. Virol.	77	4423-4430	2003
Konnai S., Nagaoka Y., Takeshima S., Onuma M. and <b>Aida Y.</b>	Sequences and diversity of 17 new <i>Ovar-DRB1</i> alleles from three breeds of sheep.	Eur. J. Immunogenet.	30	275-282	2003
Takeshima S., Saito N., Morita M., Inoko H. and <b>Aida Y.</b>	The diversity of bovine MHC class II <i>DRB3</i> genes in Japanese Black, Japanese Shorthorn, Jersey and Holstein cattle.	Gene	316	111-118	2003
Konnai S., Nagaoka Y., Takeshima S., Onuma M. and <b>Aida Y.</b>	DNA typing for ovine MHC <i>DRB1</i> using polymerase chain reaction-restriction fragment length polymorphism (PCR-RFLP).	J Dairy Sci.	86	3362-3365	2003

Konnai S., Takeshima S., Tajima S., Yin SA., Okada K., Onuma M. and <u>Aida Y.</u>	The influence of ovine MHC class II <i>DRB1</i> alleles on immuno response in bovine leukemia virus infection.	Microbiol. Immunol.	47	223-232	2003
増田 貴夫					
Nishitsujii H., Ikeda T., Miyoshi H., Ohashi T., Kannagi M., <u>Masuda T.</u>	Expression of small interfering RNA by lentivirus-based vector confers efficient and stable gene-suppression of HIV-1 on human cells including primary non-dividing cells.	Microbes and Infection	In press		
Liu H., Ohashi T., <u>Masuda T.</u> , Zhou X., Kubo M., Kannagi M.	Suppression of HIV-1-replication by HIV-1-irrelevant CD8 <sup>+</sup> cytotoxic T lymphocytes resulting in preservation of persistently HIV-1-infected cells <i>in vitro</i> .	Viral Immunol.	16	381-393	2003
Hasegawa A., Ohashi T., Hanabuchi S., Kato H., Takemura F., <u>Masuda T.</u> , Kannagi M.	Expansion of human T-cell leukemia virus type 1 (HTLV-1) reservoir in orally infected rats: inverse correlation with HTLV-1-specific cellular immune response.	J Virol.	77	2956-2963	2003
Suzuki Y., Misawa N., Sato C., Ebina H., <u>Masuda T.</u> , Yamamoto N., Koyanagi Y.	Quantitative analysis of human immunodeficiency virus type 1 DNA dynamics by real-time PCR: Integration efficiency in stimulated and unstimulated peripheral blood mononuclear cells.	Virus Genes	27	177-188	2003
Harashima N., Kurihara K., Utsunomiya A., Tanosaki R., Hanabuchi S., Masuda M., Ohashi T., Fukui F., Hasegawa A., <u>Masuda T.</u> , Takaue Y., Okumura J. and Kannagi M.	Reactivation of strong HTLV-1 specific CTL response in ATL patients following non-myeloablative hematopoietic cell transplantation.	AIDS Res. Hum. Retrovir.	Suppl. 19	S9	2003
岡本 尚					

Tozawa K., Kawai N., Hayashi Y., Sasaki S., Kohri K. and <u>Okamoto T.</u>	Gold compounds inhibit adhesion of human cancer cells to vascular endothelial cells.	Cancer Lett.	196	93-100	2003
Ando K., Kanazawa S., Tetsuka T., Ohta S., Jiang X., Tada T., Kobayashi M., Matsui N. and <u>Okamoto T.</u>	Induction of Notch signaling by tumor necrosis factor in rheumatoid synovial fibroblasts.	Oncogene	22	7796-7803	2003
Torigoe T., Izumi H., Yoshida Y., Ishiguchi H., <u>Okamoto T.</u> , Itoh H. and Kohno K.	Low pH enhances Sp1 DNA binding activity and interaction with TBP.	Nucleic Acids Res.	31	4523-4530	2003
Kanazawa S., Soucek L., Evan G., <u>Okamoto T.</u> and Peterlin B M.	c-Myc recruits P-TEFb for transcription, cellular proliferation and apoptosis.	Oncogene	22	5707-5711	2003
Asamitsu K., Kanazawa S., Tetsuka T. and <u>Okamoto T.</u>	RING finger protein AO7 supports the NF-kB-mediated transcription by interacting with the transactivation domain of p65 subunit.	J. Biol. Chem.	278	26879-26887	2003
Teranishi F., Liu Z-Q., Kunimatsu M., Imai K., Takeyama H., Manabe T., Sasaki M. and <u>Okamoto T.</u>	Calpain is involved in the HIV replication from the latently-infected OM10.1 cells.	Biochem. Biophys. Res. Commun.	303	940-946	2003
Ohata H., Tetsuka T., Hayashi H., Onozaki K. and <u>Okamoto T.</u>	3-Methylcholanthrene activates human immunodeficiency virus type 1 replication via aryl hydrocarbon receptor.	Microbiol. Immunol.	45	363-370	2003
Okano A., Usuda N., Furihata K., Nakayama K., Tian Q B., <u>Okamoto T.</u> and Suzuki T.	Huntingtin-interacting protein-1-related protein of rat (rHIP1R) is localized in the postsynaptic regions.	Brain Res.	967	210-225	2003
Matsumura T., Degawa T., Takii T., Hayashi H., <u>Okamoto T.</u> , Inoue J. and Onozaki K.	TRAF6-NF- <u>B</u> pathway is essential for IL-1-induced TLR2 expression and its functional response to TLR2 ligand in murine hepatocytes.	Immunology	109	127-136	2003
Jiang X., Takahashi N., Ando K., Otsuka T., Tetsuka T. and <u>Okamoto T.</u>	NF- <u>B</u> p65 transactivation domain is involved in the NF- <u>B</u> -inducing kinase (NIK) pathway.	Biochem. Biophys. Res. Commun.	301	583-590	2003
Jiang X., Takahashi N.,	The NF- <u>B</u> activation in the lymphotoxin	J. Biol. Chem.	278	919-926	2003

Matsui N., Tetsuka T. and <u>Okamoto T.</u>	beta receptor signaling depends on the phosphorylation of p65 at serine 536.				
生田 和良					
Komoto S., Tsuji S., Ibrahim M S., Li Y-G., Warachit J., Taniguchi K. and <u>Ikuta K.</u>	The Vpu protein of human immunodeficiency virus type 1 plays a protective role against viral induced apoptosis in primary CD4+ T lymphocytes.	J. Virol.	77	10304- 10313	2003
森川 裕子					
Nermet MV., Zhang WH., Francis G., Ciampor F., <u>Morikawa Y.</u> and Jones IM.	Time course of Gag protein assembly in HIV-1-infected cells: a study by immunolectron microscopy.	Virology	305	219-227	2003
Tsunetsugu-Yokota Y., <u>Morikawa Y.</u> , Isogai M., Kawana- Tachikawa A., Odawara T., Nakamura T., Grassi F., Autran B. and Iwamoto A.	Yeast-derived human immunodeficiency virus type 1 p55gag virus-like particles activate dendritic cells (DCs) and induce perforin expression in Gag-specific CD8+ T cells by cross- presentation of DCs.	J. Virol.	77	10250- 10259	2003
足立 昭夫					
Fujita M., Sakurai A., Yoshida A., Miyaura M., Koyama AH., Sakai K. and <u>Adachi A.</u>	Amino acid residues 88 and 89 in the central hydrophilic region of human immunodeficiency virus type 1 Vif are critical for viral infectivity by enhancing the steady- state expression of Vif.	J. Virol.	77	1626- 1632	2003
Nishimura M., Maeda M., Yasunaga J., Kawakami H., Kaji R., <u>Adachi A.</u> , Uchiyama T. and Matsuoka M.	Influence of cytokine and mannose binding protein gene polymorphisms on human T-cell leukemia virus type I (HTLV-I)- provirus load in HTLV- I asymptomatic carriers.	Hum. Immunol.	64	453-457	2003
Fujita M., Yoshida A., Sakurai A., Tatsuki J., Ueno F., Akari H. and <u>Adachi A.</u>	Susceptibility of HVS- immortalized lymphocytic HSC-F cells to various strains	Int. J. Mol. Med.	11	641-644	2003

	and mutants of HIV/SIV.				
Koyama AH., Irie H., Kato A., Nagai y. and <u>Adachi A.</u>	Virus multiplication and induction of apoptosis by Sendai virus: role of the C proteins.	Microbes Infect.	5	373-378	2003
Ueno F., Shiota H., Miyaura M., Yoshida A., Sakurai A., Tatsuki J., Koyama AH., Akari H., <u>Adachi A.</u> and Fujita M.	Vpx and Vpr proteins of HIV-2 up-regulate the viral infectivity by a distinct mechanism in lymphocytic cells.	Microbes Infect.	5	387-395	2003
Koyama AH., <u>Adachi A.</u> and Irie H.	Physiological significance of apoptosis during animal virus infection.	Int. Rev. Immunol.	22	341-359	2003
増田 道明					
Matsuda M., Matsuda N., Watanabe A., Fujisawa R., Yamamoto K., <u>Masuda M.</u>	Cell cycle arrest induction by an adenoviral vector expressing HIV-1 Vpr in bovine and feline cells.	Biochem. Biophys. Res. Commun.	311(3)	748-753	2003
高橋 秀宗					
Ueno T., Tokunaga K., Sawa H., Maeda M., Chiba J., Kojima A., Hasegawa H., Shoya Y., Sata T., Kurata T. and <u>Takahashi H.</u>	Nucleolin and the packaging signal, y promote the budding of human immunodeficiency virus type-1 (HIV-1).	Microbiol. Immunol.	In press.		
<u>Takahashi H.</u> , Sawa H., Hasegawa H., Nagashima K., Sata T. and Kurata T.	Topoisomerase I dissociates human Immunodeficiency virus Type 1 (HIV-1) reverse transcriptase from genomic RNAs.	Biochem Biophys Res Commun	313	1073-1078	2004
Nakajima N., Ionescu P., Sato Y., Hashimoto M., Kuroita T., <u>Takahashi H.</u> , Yoshikura H. and Sata T.	In Situ Hybridization AT-Tailing with Catalyzed Signal Amplification for Sensitive and Specific In Situ Detection of Human Immunodeficiency Virus-1 mRNA in Formalin-Fixed and Paraffin-Embedded Tissues.	Am J Pathol.	162	381-389	2003
Shoya Y., Tokunaga K., Sawa H., Maeda M., Ueno T., Yoshikawa T., Hasegawa H., Sata T., Kurata T., Hall WW., Cullen BR. and <u>Takahashi H.</u>	Human topoisomerase I promotes HIV-1 proviral DNA synthesis: implications for the species specificity and cellular tropism of HIV-1 infection.	Proc Natl Acad Sci U S A	100	8442-8447	2003

Watanabe I., Ross TM., Tamura S., Ichinohe I., Ito T., <b>Takahashi H.</b> , Sawa H., Chiba J., Kurata T., Sata T. and Hasegawa H.	Protection against influenza virus infection by intranasal administration of C3d-fused hemagglutinin.	Vaccine	21	4532-4538	2003
桜木 淳一					
<b>Sakuragi J.I.</b> , Ueda S., Iwamoto A. and Shioda T.	Possible role of dimerization in Human Immunodeficiency Virus type 1 genome RNA packaging.	J. Virol.	77	4060-4069	2003
桜木 淳一	RNAを介した細胞の抗ウイルス戦略に関する最近のトピック	RNA Network Newsletter	1	39-42	2003
巽 正志					
Hachiy a A., Matsuoka-Aizawa S., Tsuchiya K., Gatanaga H., Kimura S., <b>Tatsumi M.</b> and Oka S.	"All-in-One Assay", a direct phenotypic anti-human immunodeficiency virus type 1 drug resistance assay for three-drug combination therapies that takes into consideration in vivo drug concentrations.	J. Virol. Methods	111	43-53	2003
Takebe Y., Motomura K., <b>Tatsumi M.</b> , Lwin HH., Zaw M. and Kusagawa S.	High prevalence of diverse forms of HIV-1 intersubtype recombinants in Central Myanmar: geographical hot spot of extensive recombination	AIDS	17	2077 - 2087	2003
仲宗根 正					
Kaizu M., Ami Y., <b>Nakasone T.</b> , Sasaki Y., Izumi Y., Sato H., Takahashi E., Sakai K., Shinohara K., Nakanishi K. and Honda M.	Higher levels of IL-18 circulate during primary infection of monkeys with a pathogenic SHIV than with a nonpathogenic SHIV.	Virology	313	8-12	2003
Kaizu M., Ami Y., Izumi Y., Sato H., Takebe Y., <b>Nakasone T.</b> , Someya K., Kitamura K., Tochikubo O. and Honda M.	Infection of macaques with an R5-tropic SHIV bearing a chimeric envelop carrying subtype E V3 loop among subtype B framework.	Arch. Virol.	148	973-988	2003
Nakao R., Hanada N., Asano T., Hara T.,	Assessment of oral transmission using	Immunology	109	271-282	2003

Salam Md A., Matin K., Shimazu Y., <b>Nakasone T.</b> , Horibata S., Aoba T., Honda M., Amagasa T. and Senpuku H.	cell-free HIV-1 in mice reconstituted with human peripheral blood leucocytes. Immunology.				
仲宗根正、原敬志、染谷健二、池尾一穂、五條堀孝、山本直樹、本多三男	HIV 感染症統合データベースの開発	日本エイズ学会誌	印刷中		
富田康浩、横山勝、 <u>仲宗根正</u> 、永井美之、佐藤裕徳。	SIV gp120 コアの機能領域に付加する糖鎖の役割	日本エイズ学会誌	5	89-91	2003
村上 努					
<b>Murakami T.</b> , Abian S., Freed EO., Tanaka Y.	Regulation of human immunodeficiency virus type 1 Env-mediated membrane fusion by viral protease activity.	J. Virol.	78	1026-1031	2004
Yoshida A., Tanaka R., <b>Murakami T.</b> , Takahashi Y., Koyanagi Y., Nakamura M., Ito M., Yamamoto N., Tanaka Y.	Induction of productive immune responses against R5 human immunodeficiency virus type 1 (HIV-1) infection in hu-PBL-SCID mice by intrasplenic immunization with HIV-1-pulsed dendritic cells: possible involvement of a novel factor of human CD4 <sup>+</sup> T-cell origin.	J. Virol.	77	8719-8728	2003
Tang S., <b>Murakami T.</b> , Cheng N., Steven AC., Freed EO., Levin JG.	Human immunodeficiency virus type 1 N-terminal capsid mutants containing core with abnormally high levels of capsid protein and virtually no reverse transcriptase.	J. Virol.	77	12592-12602	2003
駒野 淳					
Kennedy G., <b>Komano J.</b> , Sugden B.	Epstein-Barr virus provides a survival factor to Burkitt's lymphomas	Proc Natl Acad Sci U S A	100	14269-14274	2003
久保 嘉直					

Katane M., Fujita R., Takao E., <b>Kubo Y.</b> , Aoki Y., Amanuma H.	An essential role for the His-8 residue of the SDF-1a-chimeric, tropism-directed Env protein of the Moloney murine leukemia virus in regulating postbinding fusion events.	J.Gene Med.	In press.		
<b>Kubo Y.</b> , Ishimoto A., Amanuma H.	N-linked glycosylation is required for XC cell-specific syncytium formation by the R peptide-containing envelope protein of ecotropic murine leukemia viruses.	J.Virol.	77	7510-7516	2003
<b>Kubo Y.</b> , Amanuma H.	Mutational analysis of the R peptide cleavage site of Moloney murine leukemia virus envelope protein.	J.Gen. Virol.	84	2253-2257	2003
<b>Kubo Y.</b> , Ishimoto A., Amanuma H.	Genistein, a protein tyrosine kinase inhibitor, suppresses the fusogenicity of Moloney murine leukemia virus envelope protein in XC cells.	Arch. Virol.	148	1899-1914	2003
明里 宏文					
Nguyen KL., Llano M., <b>Akari H.</b> , Miyagi M., Poeschla EM., Streb K., Bour S.	Codon optimization of the HIV-1 vpu and vif genes stabilizes their messenger RNA and allows for highly efficient Rev-independent expression.	Virology	In press.		
Kao S., <b>Akari H.</b> , Khan MA., Dettenhofer M., Yu X-F., Streb K.	Human immunodeficiency virus type 1 Vif is efficiently packaged into virions during productive but not chronic infection.	J. Virol.	77	1131-1140	2003
Sugimoto C., Tadakuma K., Otani I., Moritoyo T., <b>Akari H.</b> , Ono F., Yoshikawa Y., Sata T., Izumo S., Mori K.	Nef gene is required for robust productive infection of simian immunodeficiency virus in T-cell-rich paracortex in lymph nodes.	J. Virol.	77	4169-4180	2003
Fujita M., Yoshida A., Sakurai A., Tatsuki J., Ueno F., <b>Akari H.</b> , Adachi A.	Susceptibility of HVS-immortalized lymphocytic HSC-F cells to various strains and mutants of	Journal of Molecular Medicine	11	641-644	2003

	HIV/SIV. International				
Bour SP., <u>Akari H.</u> , Miyagi E., Strelbel K.	Naturally-occurring amino acid substitutions in the HIV-2 ROD envelope glycoprotein regulate its ability to augment viral particle release.	Virology	309	85-98	2003
Ueno F., Shiota H., Miyaura M., Yoshida A., Sakurai A., Tatsuki J., Koyama AH., <u>Akari H.</u> , Adachi A., Fujita M.	Vpx and Vpr proteins of human immunodeficiency virus type 2 up-regulate the viral infectivity by a distinct mechanism in lymphocytic cells.	Microbes Infect.	5	387-395	2003
Lee WW., Nam KH., Terao K., <u>Akari H.</u> , Yoshikawa Y.	Age-related increase of peripheral CD4+CD8+ double positive (DP) T lymphocytes in cynomolgus monkeys: Longitudinal study in relation to thymic involution.	Immunology	109	217-225	2003
三隅 将吾					
<u>Misumi S.</u> , Takamune N., Ohtsubo Y., Waniguchi K., Shoji S.	Zn2+ binding to cysteine-rich domain of extracellular human Immunodeficiency virus type-1 Tat protein is associated with Tat protein-induced apoptosis.	AIDS Res. Hum. Retrovir.	In press.		
<u>Misumi S.</u> , Endo M., Mukai R., Tachibana K., Umeda M., Honda T., Takamune N., Shoji S.	A novel cyclic peptide immunization strategy for preventing HIV-1/AIDS infection and progression.	J. Biol. Chem.	278	32335-32343	2003
三隅将吾、 高宗暢暉、 庄司省三	HIV-1 感染および病態進行を阻止する新規環状ペプチドワクチンの開発に向かって△ HIV-1 コレセプターに対する自己抗体誘導による HIV-1 感染阻害△	医学のあゆみ	207	67-72	2003