

学部・研究科等を代表する優れた研究業績リスト(I表)

法人名	東京医科歯科大学	学部・研究科名	医学部
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1. 学部・研究科等の目的に沿った研究業績の選定の判断基準(200字以内)

<p>医学科においては、重点的に取り組んでいる難治性諸疾患の分子レベルでの病態解明とそれによる診断法・治療法の開発と臨床応用に貢献する業績であること、国際的に認知・評価される研究水準に達していること(例えばインパクトファクターが高い学術雑誌に掲載)、社会に貢献・還元できる研究成果であることなどを選定の判断基準とした。</p> <p>保健衛生学科においては、医療での新たな知識・技術開発、システム構築に寄与する研究成果を選定した。看護学専攻では、特に学問体系構築に資する新たな看護理論の構築や看護モデルの開発に関する試みや、臨床現場における高度な問題解決に関わる研究を、検査技術学専攻では、臨床検査の質を高め診断の精度向上に寄与することを目的とした研究、とりわけ疾患の病因、病態の解析、生体機能の評価に関わる研究を選定した。</p>
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2. 選定した研究業績リスト

No	研究業績名	細目番号	研究業績の分析結果		重複して選定した研究業績		共同利用等
			学術的意義	社会、経済、文化的意義	業績番号(重点的に取り組む領域)	業績番号(他の組織)	
23:1:1001	Abnormal regional cerebral blood flow in systemic lupus erythematosus patients with psychiatric symptoms.	1101	SS		23:10:2001	23:3:1001	
23:1:1002	Determination of absolute protein numbers in single synapses by a GFP-based calibration technique.	1101	SS		23:11:2003	23:3:1002	
23:1:1003	Differential Control of Postsynaptic Density Scaffolds via Actin-Dependent and -Independent Mechanisms.	1101	S		23:11:2004	23:3:1003	
23:1:1004	Direct Astrocytic Contacts Regulate Local Maturation of Dendritic Spines.	1101	S		23:11:2005	23:3:1004	
23:1:1005	Molecular, topographic, and functional organization of the cerebellar cortex: A study with combined aldolase C and olivocerebellar labeling.	1104	SS		23:11:2006	23:3:1005	
23:1:1006	Enhanced bone ingrowth into hydroxyapatite with interconnected pores by Electrical Polarization.	1301	S		23:14:2006	23:6:1006	
23:1:1007	S-SCAMalpha is a scaffold to mediate NMDA receptor-dependent RhoA activation in dendrites.	6905	S		23:11:2011	23:3:1007	
23:1:1008	Autophagy fights disease through cellular self-digestion.	6905	SS			23:3:1008	
23:1:1009	Stroma-derived matrix metalloproteinase (MMP)-2 promotes membrane type 1-MMP-dependent tumor growth in mice.	6906	SS		23:1:2002	23:3:1009	

23: 1: 1010	Frequent epigenetic silencing of the bone morphogenetic protein 2 gene by methylation in gastric carcinomas.	6906	SS		23: 1: 2003	23: 3: 1010	
23: 1: 1011	Relationship between CDX2 gene methylation and dietary factors in gastric cancer patients.	6906	SS		23: 1: 2004	23: 3: 1011	
23: 1: 1012	Overexpressed NF- κ B inducing kinase contributes to the tumorigenesis of adult T-cell leukemia and Hodgkin Reed-Sternberg cells.	6906	S			23: 3: 1012	
23: 1: 1013	Molecular analysis of <i>Clostridium difficile</i> at a university teaching hospital in Japa* a shift in the predominant type over a five-year period.	6911	S		23: 5: 2003	23: 4: 1001	
23: 1: 1014	Hematopoietic Stem Cell-Engrafted NOD/SCID/IL2Rgnull Mice Develop Human Lymphoid System and Induce Long-Lasting HIV-1 Infection with Specific Humoral Immune Responses.	6912	SS		23: 7: 2024	23: 3: 1013	
23: 1: 1015	Negative regulation of interferon-regulatory factor 3-dependent innate antiviral response by the prolyl isomerase Pin1.	6912	SS		23: 1: 2005	23: 3: 1014	
23: 1: 1016	Efficient intervention of growth and infiltration of primary adult T-cell leukemia cells by an HIV protease inhibitor, ritonavir.	6912	S		23: 1: 2006	23: 3: 1015	
23: 1: 1017	Graft-versus-Tax response in adult T-cell leukemia patients after hematopoietic stem cell transplantation.	6912	S			23: 3: 1016	
23: 1: 1018	Identification of a novel human immunodeficiency virus type 1 integrase interactor, Gemin2, that facilitates efficient viral cDNA synthesis in vivo.	6912	S			23: 3: 1017	
23: 1: 1019	Effective suppression of human immunodeficiency virus type 1 through a combination of short- or long-hairpin RNAs targeting essential sequences for retroviral integration.	6912	S			23: 3: 1018	
23: 1: 1020	Dominant-negative mutations in the DNA-binding domain of STAT3 cause hyper-IgE syndrome.	6913	SS		23: 1: 2007	23: 3: 1019	
23: 1: 1021	Basophils play a critical role in the development of IgE-mediated chronic allergic inflammation independently of T cells and mast cells.	6913	SS		23: 1: 2008	23: 3: 1020	
23: 1: 1022	Human Tyk2 deficiency reveals requisite roles of Tyk2 in multiple cytokine signals involved in innate and acquired immunity.	6913	SS		23: 1: 2009	23: 3: 1021	
23: 1: 1023	Basophils are essential initiators of a novel type of chronic allergic inflammation.	6913	S		23: 1: 2010	23: 3: 1022	
23: 1: 1024	Basophils play a pivotal role in IgG- but not IgE-mediated systemic anaphylaxis in contrast to mast cells.	6913	SS			23: 3: 1023	
23: 1: 1025	Cause-specific mortality differences across socioeconomic position of municipalities in Japan, 1973 to 1998: increased contribution of injury and suicide to inequality for ages under 75.	7102	SS		23: 2: 2007	23: 3: 1024	
23: 1: 1026	Increase of bone marrow-derived secretory lineage epithelial cells during regeneration in the human intestine.	7202	SS		23: 1: 2011	23: 3: 1025	
23: 1: 1027	Suppression of hepatitis C virus replication by cyclosporin A is mediated by blockade of cyclophilins.	7202	SS		23: 1: 2012	23: 3: 1026	

23: 1: 1028	Bone marrow retaining colitogenic CD4+ T cells may be a pathogenic reservoir for chronic colitis.	7202	SS		23: 1: 2013	23: 3: 1027	
23: 1: 1029	Reciprocal targeting of <i>Hath1</i> and β -catenin by Wnt-glycogen synthase kinase 3 β in human colon cancer.	7202	SS		23: 1: 2014	23: 3: 1028	
23: 1: 1030	Ectopic CD40 ligand expression on B cells triggers intestinal inflammation.	7202	S		23: 1: 2015	23: 3: 1029	
23: 1: 1031	CD4+CD25bright T cells in human intestinal lamina propria as regulatory cells.	7202	S		23: 1: 2017	23: 3: 1030	
23: 1: 1032	IL-7 Is Essential for the Development and the Persistence of Chronic Colitis.	7202	S		23: 1: 2019	23: 3: 1031	
23: 1: 1033	Intestinal lamina propria retaining CD4+CD25+ regulatory T cells is a suppressive site of intestinal inflammation.	7202	S		23: 1: 2020	23: 3: 1032	
23: 1: 1034	Systemic, but not intestinal, IL-7 is essential for the persistence of chronic colitis.	7202	S			23: 3: 1033	
23: 1: 1035	MyD88-dependent pathway in T Cells directly modulates the expansion of colitogenic CD4+ T cells in chronic colitis.	7202	S			23: 3: 1034	
23: 1: 1036	Immunosenescent colitogenic CD4+ T cells convert to regulatory cells and suppress colitis.	7202	S			23: 3: 1035	
23: 1: 1037	Hepatocyte growth factor ameliorates the progression of experimental autoimmune myocarditis: a potential role for induction of T helper 2 cytokines.	7203	S			23: 3: 1036	
23: 1: 1038	Pitavastatin inhibits remnant lipoprotein-induced macrophage foam cell formation through ApoB48 receptor-dependent mechanism.	7203	S			23: 3: 1037	
23: 1: 1039	Insulin Signaling in Arteries Prevents Smooth Muscle Apoptosis.	7203	S			23: 3: 1038	
23: 1: 1040	Pioglitazone prevents acute and chronic cardiac allograft rejection.	7203	S			23: 3: 1039	
23: 1: 1041	Molecular pathogenesis of pseudohypoaldosteronism type II: generation and analysis of a <i>Wnk4</i> D561A/+ knock-in mouse model.	7205	SS		23: 11: 2015	23: 3: 1040	
23: 1: 1042	Pathogenesis and treatment of autosomal-dominant nephrogenic diabetes insipidus caused by an aquaporin 2 mutation.	7205	S		23: 11: 2016	23: 3: 1041	
23: 1: 1043	An autosomal dominant cerebellar ataxia linked to chromosome 16q22.1 is associated with a single-nucleotide substitution in the 5' untranslated region of the gene encoding a protein with spectrin repeat and Rho guanine-nucleotide exchange-factor domain.	7206	SS		23: 11: 2020	23: 3: 1042	
23: 1: 1044	Transgenic siRNA halted amyotrophic lateral sclerosis in a mouse model.	7206	SS		23: 11: 2021	23: 3: 1043	
23: 1: 1045	A clinical, genetic, and neuropathologic study in a family with 16q-linked ADCA type III.	7206	SS		23: 11: 2022	23: 3: 1044	
23: 1: 1046	A carbohydrate-binding protein, Galectin-1, promotes proliferation of adult neural stem cells.	7206	SS		23: 11: 2023	23: 3: 1045	

23	1	1047	Sequence-dependent and independent inhibition specific for mutant ataxin-3 by small interfering RNA.	7206	S		23	11	2024	23	3	1046	
23	1	1048	Human neural stem/progenitor cells, expanded in long-term neurosphere culture, promote functional recovery after focal ischemia in Mongolian gerbils.	7206	S		23	11	2025	23	3	1047	
23	1	1049	Extracellular RNA is a natural cofactor for the (auto-) activation of Factor VII-activating protease (FSAP).	7209	SS		23	5	2004	23	4	1002	
23	1	1050	1,25(OH)2D3 blocks TNF-induced monocytic tissue factor expression by inhibition of transcription factors AP-1 and NF- κ B.	7209	S		23	5	2005	23	4	1003	
23	1	1051	Pneumocystis pneumonia in Infliximab-treated patients with rheumatoid arthritis in Japan.	7210	SS		23	1	2021	23	3	1048	
23	1	1052	Language processing and human voice perception in schizophrenia: A functional magnetic resonance imaging study.	7210	S		23	5	2006	23	4	1004	
23	1	1053	Men and women show distinct brain activations during imagery of sexual and emotional infidelity.	7210	S		23	5	2007	23	4	1005	
23	1	1054	NF- κ B inhibitor dehydroxymethylepoxy-quinomicin suppresses osteoclastogenesis and expression of NFATc1 in mouse arthritis without affecting expression of RANKL, osteoprotegerin or macrophage colony-stimulating factor.	7210	S		23	5	2008	23	4	1006	
23	1	1055	Effect of a small molecule inhibitor of NF- κ B nuclear translocation in a murine model of arthritis and cultured human synovial cells.	7210	S		23	5	2009	23	4	1007	
23	1	1056	Direct modulation of rheumatoid inflammatory mediator expression in retinoblastoma protein-dependent and -independent pathways by cyclin-dependent kinase 4/6.	7210	S		23	1	2022	23	3	1049	
23	1	1057	Pathogenic role of the CXCL16-CXCR6 pathway in rheumatoid arthritis.	7210	S		23	1	2023	23	3	1050	
23	1	1058	Early G2/M checkpoint failure as a molecular mechanism underlying etoposide-induced chromosomal aberrations.	7211	SS		23	1	2024	23	3	1051	
23	1	1059	Knockdown of XAB2 enhances All-Trans Retinoic Acid-Induced Cellular Differentiation in All-Trans Retinoic Acid-Sensitive and -Resistant Cancer Cells.	7211	S		23	1	2029	23	3	1052	
23	1	1060	Identification and characterization of polymorphic variations of the ataxia telangiectasia mutated (ATM) gene in childhood Hodgkin disease.	7211	S		23	1	2031	23	3	1053	
23	1	1061	Brp2 Functions as a Cytoplasmic Retention Protein for p21 during Monocyte Differentiation.	7211	S		23	1	2032	23	3	1054	
23	1	1062	Prostaglandin D2 plays an essential role in chronic allergic inflammation of the skin via CRTH2 receptor.	7213	SS					23	3	1055	
23	1	1063	Synthesis of α (1,3) fucosyltransferases IV- and VII-dependent eosinophil selectin ligand and recruitment to the skin.	7213	SS					23	3	1056	

23	1	1064	STAT-6-mediated control of P-selectin by substance P and interleukin-4 in human dermal endothelial cells.	7213	S			23	3	1057		
23	1	1065	Specific peptide ligand for Grb7 signal transduction protein and pancreatic cancer metastasis.	7302	SS		23	1	2034	23	3	1058
23	1	1066	Aurora kinase B is a predictive factor for aggressive recurrence of hepatocellular carcinoma after curative hepatectomy.	7302	S		23	1	2035	23	3	1059
23	1	1067	Cyclooxygenase-2 expression: a significant prognostic indicator for patients with colorectal cancer.	7302	S					23	3	1060
23	1	1068	Frequent silencing of DBC1 by genetic or epigenetic mechanisms in non-small cell lung cancers.	7303	S		23	10	2033	23	3	1061
23	1	1069	Stress response gene ATF3 is a target of c-myc in serum-induced cell proliferation.	7303	S					23	3	1062
23	1	1070	Quantitative evaluation of cerebral hemodynamics in patients with moyamoya disease by dynamic susceptibility contrast magnetic resonance imaging-comparison with positron emission tomography.	7304	SS		23	1	2040	23	3	1063
23	1	1071	Intra-articular Osteoclastogenesis Inhibitory Factor/Osteoprotegerin Prevents Cartilage Destruction in a Murine Model of Osteoarthritis.	7305	SS		23	1	2048	23	3	1064
23	1	1072	Enhancement of tissue engineered bone formation by a low pressure system improving cell seeding and medium perfusion into a porous scaffold.	7305	SS		23	1	2049	23	3	1065
23	1	1073	Central Control of Bone Remodeling by Neuromedin U.	7305	SS		23	1	2050	23	3	1066
23	1	1074	Suspended cells from trabecular bone by collagenase digestion become virtually identical to mesenchymal stem cells obtained from marrow aspirates.	7305	SS		23	1	2051	23	3	1067
23	1	1075	Increased proliferation of human synovial mesenchymal stem cells with autologous human serum: Comparisons with bone marrow mesenchymal stem cells and with fetal bovine serum.	7305	S					23	3	1068
23	1	1076	Prevention of cartilage destruction with intraarticular osteoclastogenesis inhibitory factor/osteoprotegerin in a murine model of osteoarthritis.	7305	S					23	3	1069
23	1	1077	Receptor for Advanced Glycation End-Products Is a Marker of Type I Cell Injury in Acute Lung Injury.	7306	SS					23	3	1070
23	1	1078	Glucocorticoids suppress tumor angiogenesis and in vivo growth of prostate cancer cells.	7307	SS					23	3	1071
23	1	1079	G protein-dependent presynaptic inhibition mediated by AMPA receptors at the calyx of Held.	7309	SS		23	11	2037	23	3	1072
23	1	1080	The potential role of amyloid-beta in the pathogenesis of age-related macular degeneration.	7310	SS		23	3	2001	23	2	1001

23	1	1081	Role of thrombospondin-1 in T cell response to ocular pigment epithelial cells.	7310	SS			23	3	1074		
23	1	1082	Pathological role of osteoclast costimulation in arthritis-induced bone loss.	7402	S		23	3	2014	23	2	1014
23	1	1083	Gefitinib for refractory advanced non small cell lung cancer.	7501	SS					23	4	1008
23	1	1084	ディスチャージプランニングプロセス評価尺度の開発と有用性	7502	SS					23	4	1009
23	1	1085	A discriminative study of health-related quality of life assessment in HIV-1-infected persons living in Japan using the Multidimensional Quality of Life Questionnaire for persons with HIV/AIDS.	7502	SS					23	4	1010
23	1	1086	重症外傷患者の回復過程における状況認知と適応のプロセス	7502	S					23	4	1011
23	1	1087	Changes in Breast Skin Temperature During The Course of Breastfeeding.	7502	S					23	4	1012
23	1	1088	コントロール感覚からみた産褥早期の母親の出産体験の分析	7502	S					23	4	1013
23	1	1089	Preliminary early intervention study Nursing Child Assessment Teaching Scale in Japan.	7502	S					23	4	1014
23	1	1090	Measuring Japanese mother's perception of child abuse: Development of Japanese Version of the child abuse blame scale(CABS-PA-J).	7502	S					23	4	1015
23	1	1091	Family Carers for older relatives: source of satisfaction and related factors in Finland.	7503	S		23	4	2001	23	4	1016
23	1	1092	Coping strategies of family carers for older relatives in Finland.	7503	S		23	4	2002	23	4	1017
23	1	1093	A Minimum Data Set prevalence of pain quality indicator: Is it accurate and does it reflect differences in care processes?	7503	SS					23	4	1018
23	1	1094	Effective Components of Staff and Organizational Development for Client Outcomes by Implementation of Action Plans in Home Care.	7503	S					23	4	1019

学部・研究科等を代表する優れた研究業績リスト(I表)

法人名	東京医科歯科大学	学部・研究科名	歯学部
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1. 学部・研究科等の目的に沿った研究業績の選定の判断基準(200字以内)

歯学部を代表とする業績の選定の判断には、当該業績に関してマスメディア報道や学会表彰、特許申請・ライセンス契約などの有無に加え、国際研究拠点形成やCOE:国内重点研究への関与の有無を重視した。また、学術論文については客観的指標の一つとしてインパクトファクター(ISI, 2006)も参考とした。

2. 選定した研究業績リスト

No	研究業績名	細目番号	研究業績の分析結果		重複して選定した研究業績		共同利用等
			学術的意義	社会、経済、文化的意義	業績番号(重点的に取り組む領域)	業績番号(他の組織)	
23:2:1001	The potential role of amyloid-beta in the pathogenesis of age-related macular degeneration.	7310	SS		23:3:2001	23:1:1080	
23:2:1002	Regulation of osteoclast differentiation and function by the CaMK/CREB pathway.	7401	SS		23:3:2002	23:3:1075	
23:2:1003	Ihh/Gli2 signalling promotes osteoblast differentiation by regulating Runx2 expression and function.	7401	S		23:3:2003	23:3:1076	
23:2:1004	特許番号:第3917825、特許名:「血管新生抑制剤」	7402	SS		23:3:2004	23:3:1078	
23:2:1005	Th17 functions as an osteoclastogenic helper T cell subset that links T cell activation and bone destruction.	7402	SS		23:3:2005	23:3:1079	
23:2:1006	Autoamplification of NFATc1 expression determines its essential role in bone homeostasis.	7402	SS		23:3:2006	23:3:1080	
23:2:1007	NFAT and Osterix cooperatively regulate bone formation.	7402	SS		23:3:2007	23:3:1081	
23:2:1008	Costimulatory signals mediated by the ITAM motif cooperate with RANKL for bone homeostasis.	7402	SS		23:3:2008	23:3:1082	
23:2:1009	Nucleotide-sugar transporter SLC35D1 is critical to chondroitin sulphate synthesis in cartilage and skeletal development in mouse and human.	7402	SS		23:3:2009	23:3:1083	
23:2:1010	Calcineurin-mediated dephosphorylation of c-Jun Ser-243 is required for c-Jun protein stability and cell transformation.	7402	S		23:3:2010	23:3:1084	
23:2:1011	Protein kinase CK2 is a key activator of histone deacetylase in hypoxia-associated tumors.	7402	S		23:3:2011	23:3:1085	

23	2	1012	PP2B-mediated Dephosphorylation of c-Jun C-Terminus Regulates Phorbol Ester-induced c-Jun/Spl interaction in A431 Cells.	7402	S		23	3	2012	23	3	1086	
23	2	1013	Constitutive expression and involvement of cyclooxygenase-2 in human megakaryocytopoiesis.	7402	S		23	3	2013	23	3	1087	
23	2	1014	Pathological role of osteoclast costimulation in arthritis-induced bone loss.	7402	S		23	3	2014	23	3	1088	
23	2	1015	Contribution of NFATc1 to the transcriptional control of immunoreceptor OSCAR but not TREM-2 during osteoclastogenesis.	7402	S		23	3	2015	23	3	1089	
23	2	1016	In vitro formation of capillary networks using optical lithographic techniques.	7402	S		23	3	2016	23	3	1090	
23	2	1017	Involvement of the collagen I-binding motif in the anti-angiogenic activity of pigment epithelium-derived factor.	7402	S		23	3	2017				
23	2	1018	Sonic hedgehog signalling is important in tooth root development.	7402	S		23	10	2053	23	3	1091	
23	2	1019	Costimulation via glucocorticoid-induced tumor necrosis factor receptor (GITR) in both conventional and CD25+ regulatory CD4+ T cells.	7402	S		23	10	2055	23	3	1092	
23	2	1020	Inhibition of RANKL-induced osteoclastogenesis by (-)-DHMEQ, a novel NF- κ B inhibitor, through downregulation of NFATc1.	7402	S		23	10	2057	23	3	1093	
23	2	1021	The existence of CD11c+ sentinel and F4/80+ interstitial dendritic cells in dental pulp and their dynamics and functional properties.	7402	S		23	10	2058	23	3	1094	
23	2	1022	Tools for the body (schema).	7402	S		23	11	2040	23	3	1095	
23	2	1023	The neural origins and implications of imitation, mirror neurons and tool use.	7402	S		23	11	2041	23	3	1096	
23	2	1024	BAFF/BlyS can potentiate B-cell selection with the B-cell co-receptor complex.	7402	SS					23	3	1098	
23	2	1025	The expression and function of costimulatory molecules B7h and B7-H1 on colonic epithelial cells.	7402	SS					23	3	1099	
23	2	1026	A critical role for the programmed death ligand 1 in fetomaternal tolerance.	7402	SS					23	3	1100	
23	2	1027	Insulin-induced remission in new onset NOD mice is maintained by the PD-1/PD-L1 pathway.	7402	SS					23	3	1101	
23	2	1028	Plasmacytoid dendritic cells from tumor-draining lymph nodes directly activate regulatory T cells via indoleamine 2,3-dioxygenase.	7402	SS					23	3	1102	
23	2	1029	Defective microtubule-dependent podosome organization in osteoclasts lead to increased bone density in Pyk2(-/-)mice.	7402	SS					23	3	1103	
23	2	1030	Selective inhibition of NF- κ B blocks osteoclastogenesis and prevents inflammatory bone destruction in vivo.	7402	SS					23	3	1104	
23	2	1031	A TNF receptor loop peptide mimic blocks RANK ligand-induced signalling, bone resorption and bone loss.	7402	SS					23	3	1105	

23	2	1032	Experimental induction of palate shelf elevation in glutamate decarboxylase 67-deficient mice with cleft palate due to vertically oriented palatal shelf.	7402	S							
23	2	1033	Unique role of SNT-2 β /FRS3 docking/adaptor protein for negative regulation in EGF receptor tyrosine kinase signaling pathways.	7402	S				23	3	1106	
23	2	1034	B7-DC regulates asthmatic responses by interferon-g-dependent mechanism.	7402	S				23	3	1107	
23	2	1035	Blockade of the interaction between PD-1 and PD-L1 accelerates graft arterial disease in cardiac allograft.	7402	S				23	3	1108	
23	2	1036	Role of the programmed death-1 pathway in regulation of alloimmune responses in vivo.	7402	S				23	3	1109	
23	2	1037	Analysis of the role of negative T cell costimulatory pathways in CD4 and CD8 T cell-mediated alloimmune responses in vivo.	7402	S				23	3	1110	
23	2	1038	Blockade of B7-H1 on macrophages suppresses CD4+ T cell proliferation by augmenting IFN- γ -induced nitric oxide production.	7402	S				23	3	1111	
23	2	1039	Chewing-side preference is involved in differential cortical activation patterns during tongue movements after bilateral gum-chewing: a functional magnetic resonance imaging study.	7402	S							
23	2	1040	Defect in Serine 46 phosphorylation of p53 contributes to Acquisition of p53 Resistance in oral Squamous Cell Carcinoma Cells.	7402	S				23	3	1112	
23	2	1041	Loss of cyclin E requirement in cell growth of an oral Squamous Cell Carcinoma Cell Line implies deregulation of its downstream pathway.	7402	S				23	3	1113	
23	2	1042	A tumor necrosis factor receptor loop peptide mimic inhibits bone destruction to the same extent as anti-tumor necrosis factor monoclonal antibody in murine collagen-induced arthritis.	7402	S				23	3	1114	
23	2	1043	Enhanced ectopic bone formation using a combination of plasmid DNA impregnation into 3-D scaffold and bioreactor perfusion culture.	7402	S				23	3	1115	
23	2	1044	A potential pitfall of MR imaging for assessing mandibular invasion of squamous cell carcinoma in the oral cavity.	7403	S		23	10	2059			
23	2	1045	特許番号：第3927993、特許名：「放射線増感剤」	7403	SS				23	3	1131	
23	2	1046	α -Sulfoquinovosylmonoacylglycerol is a novel potent radiosensitizer targeting tumor angiogenesis.	7403	S				23	3	1132	
23	2	1047	Evidence that basal activity, but not transactivation, of the epidermal growth factor receptor tyrosine kinase is required for insulin-like growth factor I-induced activation of extracellular signal-regulated kinase in oral carcinoma cell.	7403	S				23	3	1133	
23	2	1048	A synthetic enamel for rapid tooth repair.	7404	SS		23	3	2018	23	3	1134
23	2	1049	Water concentration in self-etching primers affects their aggressiveness and bonding efficacy to dentin.	7404	S		23	3	2019	23	3	1135

23	2	1050	Microtensile bond strengths of two adhesive resins to discolored dentin after amalgam removal.	7404	S		23	3	2020	23	3	1136	
23	2	1051	Molecular interaction of surface protein peptides of Streptococcus gordonii with human salivary components.	7404	S		23	10	2063				
23	2	1052	Effect of NOS inhibitor on cytokine and COX2 expression in rat pulpitis.	7404	S		23	10	2064				
23	2	1053	Bcl-2 acts in a pro-angiogenic signalling molecule.	7404	S					23	3	1137	
23	2	1054	Bcl-2 Orchestrates a Cross-talk between Endothelial and Tumor Cells that Promotes Tumor Growth.	7404	S					23	3	1138	
23	2	1055	Trigeminal Nociceptors Express TLR-4 and CD14: A Novel Mechanism for Pain due to Infection.	7404	S								
23	2	1056	Development of an automatic speech intelligibility test system using a computerized speech recognition technique.	7405	S								
23	2	1057	The novel gene encoding a putative transmembrane protein is mutated in Gnathodiaphyseal Dysplasia.	7406	SS		23	3	2021	23	3	1139	
23	2	1058	Involvement of ASK1 in Ca ²⁺ -induced p38 MAP kinase activation.	7406	S		23	3	2022	23	3	1140	
23	2	1059	ATM-dependent nuclear accumulation of IKK- α plays an important role in the regulation of p73-mediated apoptosis in response to cisplatin.	7406	S		23	10	2066	23	3	1141	
23	2	1060	Osteopontin-Deficiency suppresses growth of B16 melanoma cells implanted in bone and osteoclastogenesis in Co-Cultures.	7406	S		23	10	2067	23	3	1142	
23	2	1061	Spatiotemporal association and bone morphogenetic protein regulation of sclerostin and osterix expression during embryonic osteogenesis.	7406	S		23	10	2068	23	3	1143	
23	2	1062	Frequent silencing of low density lipoprotein Receptor-Related Protein 1B (LRP1B) expression by genetic and epigenetic mechanisms in esophageal squamous cell carcinoma.	7406	S		23	10	2069	23	3	1144	
23	2	1063	ROS-dependent activation of TRAF-6ASK1-p38 pathway is selectively required for TLR4-mediated innate immunity.	7406	SS					23	3	1145	
23	2	1064	Tyrosine phosphorylation controls PCNA function through protein stability.	7406	SS					23	3	1146	
23	2	1065	Prolonged rhythmic gum chewing suppresses nociceptive response via serotonergic descending inhibitory pathway in humans.	7406	SS					23	3	1147	
23	2	1066	Amyloid β induces neuronal cell death through ROS-mediated ASK1 activation.	7406	S					23	3	1148	
23	2	1067	Cyclin D1 gene numerical aberration is a predictive marker for occult cervical lymph node metastasis in TNM stage and squamous cell carcinoma of the oral cavity.	7406	S					23	3	1149	
23	2	1068	Comparison of mechanical pain thresholds among various orofacial areas in human.	7406	S								
23	2	1069	Constitutively Active Parathyroid Hormone Receptor Signalling in cells in Osteoblastic Lineage Suppresses Mechanical Unloading-induced bone resorption.	7407	SS		23	10	2070	23	3	1150	

23	2	1070	The representation of the human oral area in the somatosensory cortex: a functional MRI study.	7407	S		23	3	2023	23	3	1151	
23	2	1071	Functional analysis of natural mutations in two TWIST protein motifs.	7407	S		23	3	2024	23	3	1152	
23	2	1072	Effects of Occlusal Stimuli on Alveolar/Jaw Bone Formation.	7407	SS								
23	2	1073	Effect of Nitric Oxide on the Recovery of the Hypofunctional Periodontal Ligament.	7407	S								
23	2	1074	Role of Occlusal Vertical Dimension in Spindle Function.	7407	S								
23	2	1075	Functional Adaptability of Jaw-muscle Spindles after Bite-raising.	7407	S								
23	2	1076	Assessment of Genes Associated with Streptococcus mutans Biofilm Morphology.	7407	S								
23	2	1077	Prostaglandin E-2 regulates interleukin-1 beta-induced matrix metalloproteinase-3 production in human gingival fibroblasts.	7408	SS		23	3	2025				
23	2	1078	Tob deficiency superenhances osteoblastic activity after ovariectomy to block estrogen deficiency-induced osteoporosis.	7408	SS		23	3	2026	23	7	1031	
23	2	1079	Porcine dentin sialoproteins a proteoglycan with glycosaminoglycan chains containing chondroitin 6-sulfate.	7408	S		23	3	2027	23	3	1154	
23	2	1080	Dentin Sialophosphoprotein Is processed by MMP-2 and MMP-20 in Vitro and in Vivo.	7408	S		23	3	2028	23	3	1155	
23	2	1081	MyoD enhances BMP7-induced osteogenic differentiation of myogenic cell cultures.	7408	S		23	3	2029	23	3	1156	
23	2	1082	Effect of Er: YAG laser combined with rhPDGF-BB on attachment of cultured fibroblasts to periodontally involved root surfaces.	7408	S		23	3	2030				
23	2	1083	Er:YAG laser therapy for peri-implant infection: a histological study.	7408	S		23	3	2031				
23	2	1084	Er: YAG laser irradiation increases prostaglandin E2 production via the induction of cyclooxygenase-2 mRNA in human gingival fibroblasts.	7408	S		23	3	2032				
23	2	1085	Periodontal tissue healing following flap surgery using an Er: YAG laser in dogs.	7408	S		23	3	2033				
23	2	1086	Application of periodontal ligament cell sheet for periodontal regeneration study in beagle dogs.	7408	S		23	3	2034				
23	2	1087	Hop Bract Polyphenols Reduced Three-day Dental Plaque Regrowth.	7409	S								
23	2	1088	Remote effect of teeth clenching on unilateral and bilateral grip force productions.	7409	S								

学部・研究科等を代表する優れた研究業績リスト(I表)

法人名	東京医科歯科大学	学部・研究科名	医歯学総合研究科
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1. 学部・研究科等の目的に沿った研究業績の選定の判断基準(200字以内)

<p>医学系においては、重点的に取り組んでいる難治性諸疾患の分子レベルでの病態解明とそれによる診断法・治療法の開発と臨床応用に貢献する業績であること、国際的に認知・評価される研究水準に達していること(例えばインパクトファクターが高い学術雑誌に掲載)、社会に貢献・還元できる研究成果であることなどを選定の判断基準とした。</p> <p>歯学科においても、当該業績に関してマスメディア報道や学会表彰、特許申請・ライセンス契約などの有無に加え、国際研究拠点形成やCOE:国内重点研究への関与の有無を重視した。学術論文については客観的指標の一つとしてインパクトファクター(ISI, 2006)も参考とした。</p>

2. 選定した研究業績リスト

No	研究業績名	細目番号	研究業績の分析結果		重複して選定した研究業績		共同利用等
			学術的意義	社会、経済、文化的意義	業績番号(重点的に取り組む領域)	業績番号(他の組織)	
23 3 1001	Abnormal regional cerebral blood flow in systemic lupus erythematosus patients with psychiatric symptoms.	1101	SS		23 10 2001	23 1 1001	
23 3 1002	Determination of absolute protein numbers in single synapses by a GFP-based calibration technique.	1101	SS		23 11 2003	23 1 1002	
23 3 1003	Differential Control of Postsynaptic Density Scaffolds via Actin-Dependent and -Independent Mechanisms.	1101	S		23 11 2004	23 1 1003	
23 3 1004	Direct Astrocytic Contacts Regulate Local Maturation of Dendritic Spines.	1101	S		23 11 2005	23 1 1004	
23 3 1005	Molecular, topographic, and functional organization of the cerebellar cortex: A study with combined aldolase C and olivocerebellar labeling.	1104	SS		23 11 2006	23 1 1005	
23 3 1006	Enhanced bone ingrowth into hydroxyapatite with interconnected pores by Electrical Polarization.	1301	S		23 14 2006	23 1 1006	
23 3 1007	S-SCAMalpha is a scaffold to mediate NMDA receptor-dependent RhoA activation in dendrites.	6905	S		23 11 2011	23 1 1007	
23 3 1008	Autophagy fights disease through cellular self-digestion.	6905	SS			23 1 1008	
23 3 1009	Stroma-derived matrix metalloproteinase (MMP)-2 promotes membrane type 1-MMP-dependent tumor growth in mice.	6906	SS		23 1 2002	23 1 1009	

23: 3: 1010	Frequent epigenetic silencing of the bone morphogenetic protein 2 gene by methylation in gastric carcinomas.	6906	SS		23: 1: 2003	23: 1: 1010	
23: 3: 1011	Relationship between CDX2 gene methylation and dietary factors in gastric cancer patients.	6906	SS		23: 1: 2004	23: 1: 1011	
23: 3: 1012	Overexpressed NF- κ B inducing kinase contributes to the tumorigenesis of adult T-cell leukemia and Hodgkin Reed-Sternberg cells.	6906	S			23: 1: 1012	
23: 3: 1013	Hematopoietic Stem Cell-Engrafted NOD/SCID/IL2R γ null Mice Develop Human Lymphoid System and Induce Long-Lasting HIV-1 Infection with Specific Humoral Immune Responses.	6912	SS		23: 7: 2024	23: 1: 1014	
23: 3: 1014	Negative regulation of interferon-regulatory factor 3-dependent innate antiviral response by the prolyl isomerase Pin1.	6912	SS		23: 1: 2005	23: 1: 1015	
23: 3: 1015	Efficient intervention of growth and infiltration of primary adult T-cell leukemia cells by an HIV protease inhibitor, ritonavir.	6912	S		23: 1: 2006	23: 1: 1016	
23: 3: 1016	Graft-versus-Tax response in adult T-cell leukemia patients after hematopoietic stem cell transplantation.	6912	S			23: 1: 1017	
23: 3: 1017	Identification of a novel human immunodeficiency virus type 1 integrase interactor, Gemin2, that facilitates efficient viral cDNA synthesis in vivo.	6912	S			23: 1: 1018	
23: 3: 1018	Effective suppression of human immunodeficiency virus type 1 through a combination of short- or long-hairpin RNAs targeting essential sequences for retroviral integration.	6912	S			23: 1: 1019	
23: 3: 1019	Dominant-negative mutations in the DNA-binding domain of STAT3 cause hyper-IgE syndrome.	6913	SS		23: 1: 2007	23: 1: 1020	
23: 3: 1020	Basophils play a critical role in the development of IgE-mediated chronic allergic inflammation independently of T cells and mast cells.	6913	SS		23: 1: 2008	23: 1: 1021	
23: 3: 1021	Human Tyk2 deficiency reveals requisite roles of Tyk2 in multiple cytokine signals involved in innate and acquired immunity.	6913	SS		23: 1: 2009	23: 1: 1022	
23: 3: 1022	Basophils are essential initiators of a novel type of chronic allergic inflammation.	6913	S		23: 1: 2010	23: 1: 1023	
23: 3: 1023	Basophils play a pivotal role in IgG- but not IgE-mediated systemic anaphylaxis in contrast to mast cells.	6913	SS			23: 1: 1024	
23: 3: 1024	Cause-specific mortality differences across socioeconomic position of municipalities in Japan, 1973 to 1998: increased contribution of injury and suicide to inequality for ages under 75.	7102	SS		23: 2: 2007	23: 1: 1025	
23: 3: 1025	Increase of bone marrow-derived secretory lineage epithelial cells during regeneration in the human intestine.	7202	SS		23: 1: 2011	23: 1: 1026	
23: 3: 1026	Suppression of hepatitis C virus replication by cyclosporin A is mediated by blockade of cyclophilins.	7202	SS		23: 1: 2012	23: 1: 1027	
23: 3: 1027	Bone marrow retaining colitogenic CD4 ⁺ T cells may be a pathogenic reservoir for chronic colitis.	7202	SS		23: 1: 2013	23: 1: 1028	

23	3	1028	Reciprocal targeting of Hatt1 and β -catenin by Wnt-glycogen synthase kinase 3 β in human colon cancer.	7202	SS		23	1	2014	23	1	1029	
23	3	1029	Ectopic CD40 ligand expression on B cells triggers intestinal inflammation.	7202	S		23	1	2015	23	1	1030	
23	3	1030	CD4+CD25bright T cells in human intestinal lamina propria as regulatory cells.	7202	S		23	1	2017	23	1	1031	
23	3	1031	IL-7 is essential for the development and the persistence of chronic colitis.	7202	S		23	1	2019	23	1	1032	
23	3	1032	Intestinal lamina propria retaining CD4+CD25+ regulatory T cells is a suppressive site of intestinal inflammation.	7202	S		23	1	2020	23	1	1033	
23	3	1033	Systemic, but not intestinal, IL-7 is essential for the persistence of chronic colitis.	7202	S					23	1	1034	
23	3	1034	MyD88-dependent pathway in T Cells directly modulates the expansion of colitogenic CD4+ T cells in chronic colitis.	7202	S					23	1	1035	
23	3	1035	Immunosenescent colitogenic CD4+ T cells convert to regulatory cells and suppress colitis.	7202	S					23	1	1036	
23	3	1036	Hepatocyte growth factor ameliorates the progression of experimental autoimmune myocarditis: a potential role for induction of T helper 2 cytokines.	7203	S					23	1	1037	
23	3	1037	Pitavastatin inhibits remnant lipoprotein-induced macrophage foam cell formation through ApoB48 receptor-dependent mechanism.	7203	S					23	1	1038	
23	3	1038	Insulin Signaling in Arteries Prevents Smooth Muscle Apoptosis.	7203	S					23	1	1039	
23	3	1039	Pioglitazone prevents acute and chronic cardiac allograft rejection.	7203	S					23	1	1040	
23	3	1040	Molecular pathogenesis of pseudohypoaldosteronism type II: generation and analysis of a Wnk4 D561A/+ knock-in mouse model.	7205	SS		23	11	2015	23	1	1041	
23	3	1041	Pathogenesis and treatment of autosomal-dominant nephrogenic diabetes insipidus caused by an aquaporin 2 mutation.	7205	S		23	11	2016	23	1	1042	
23	3	1042	An autosomal dominant cerebellar ataxia linked to chromosome 16q22.1 is associated with a single-nucleotide substitution in the 5' untranslated region of the gene encoding a protein with spectrin repeat and Rho guanine-nucleotide exchange-factor domain.	7206	SS		23	11	2020	23	1	1043	
23	3	1043	Transgenic siRNA halted amyotrophic lateral sclerosis in a mouse model.	7206	SS		23	11	2021	23	1	1044	
23	3	1044	A clinical, genetic, and neuropathologic study in a family with 16q-linked ADCA type III.	7206	SS		23	11	2022	23	1	1045	
23	3	1045	A carbohydrate-binding protein, Galectin-1, promotes proliferation of adult neural stem cells.	7206	SS		23	11	2023	23	1	1046	
23	3	1046	Sequence-dependent and independent inhibition specific for mutant ataxin-3 by small interfering RNA.	7206	S		23	11	2024	23	1	1047	

23	3	1047	Human neural stem/progenitor cells, expanded in long-term neurosphere culture, promote functional recovery after focal ischemia in Mongolian gerbils.	7206	S		23	11	2025	23	1	1048
23	3	1048	Pneumocystis pneumonia in Infliximab-treated patients with rheumatoid arthritis in Japan.	7210	SS		23	1	2021	23	1	1051
23	3	1049	Direct modulation of rheumatoid inflammatory mediator expression in retinoblastoma protein-dependent and -independent pathways by cyclin-dependent kinase 4/6.	7210	S		23	1	2022	23	1	1056
23	3	1050	Pathogenic role of the CXCL16-CXCR6 pathway in rheumatoid arthritis.	7210	S		23	1	2023	23	1	1057
23	3	1051	Early G2/M checkpoint failure as a molecular mechanism underlying etoposide-induced chromosomal aberrations.	7211	SS		23	1	2024	23	1	1058
23	3	1052	Knockdown of XAB2 enhances All-Trans Retinoic Acid-Induced Cellular Differentiation in All-Trans Retinoic Acid-Sensitive and -Resistant Cancer Cells.	7211	S		23	1	2029	23	1	1059
23	3	1053	Identification and characterization of polymorphic variations of the ataxia telangiectasia mutated (ATM) gene in childhood Hodgkin disease.	7211	S		23	1	2031	23	1	1060
23	3	1054	Brp2 Functions as a Cytoplasmic Retention Protein for p21 during Monocyte Differentiation.	7211	S		23	1	2032	23	1	1061
23	3	1055	Prostaglandin D2 plays an essential role in chronic allergic inflammation of the skin via CRTH2 receptor.	7213	SS					23	1	1062
23	3	1056	Synthesis of α (1,3) fucosyltransferases IV- and VII-dependent eosinophil selectin ligand and recruitment to the skin.	7213	SS					23	1	1063
23	3	1057	STAT-6-mediated control of P-selectin by substance P and interleukin-4 in human dermal endothelial cells.	7213	S					23	1	1064
23	3	1058	Specific peptide ligand for Grb7 signal transduction protein and pancreatic cancer metastasis.	7302	SS		23	1	2034	23	1	1065
23	3	1059	Aurora kinase B is a predictive factor for aggressive recurrence of hepatocellular carcinoma after curative hepatectomy.	7302	S		23	1	2035	23	1	1066
23	3	1060	Cyclooxygenase-2 expression: a significant prognostic indicator for patients with colorectal cancer.	7302	S					23	1	1067
23	3	1061	Frequent silencing of DBC1 by genetic or epigenetic mechanisms in non-small cell lung cancers.	7303	S		23	10	2033	23	1	1068
23	3	1062	Stress response gene ATF3 is a target of c-myc in serum-induced cell proliferation.	7303	S					23	1	1069
23	3	1063	Quantitative evaluation of cerebral hemodynamics in patients with moyamoya disease by dynamic susceptibility contrast magnetic resonance imaging-comparison with positron emission tomography.	7304	SS		23	1	2040	23	1	1070

23	3	1064	Intra-articular Osteoclastogenesis Inhibitory Factor/Osteoprotegerin Prevents Cartilage Destruction in a Murine Model of Osteoarthritis.	7305	SS		23	1	2048	23	1	1071	
23	3	1065	Enhancement of tissue engineered bone formation by a low pressure system improving cell seeding and medium perfusion into a porous scaffold.	7305	SS		23	1	2049	23	1	1072	
23	3	1066	Central Control of Bone Remodeling by Neuromedin U.	7305	SS		23	1	2050	23	1	1073	
23	3	1067	Suspended cells from trabecular bone by collagenase digestion become virtually identical to mesenchymal stem cells obtained from marrow aspirates.	7305	SS		23	1	2051	23	1	1074	
23	3	1068	Increased proliferation of human synovial mesenchymal stem cells with autologous human serum: Comparisons with bone marrow mesenchymal stem cells and with fetal bovine serum.	7305	S					23	1	1075	
23	3	1069	Prevention of cartilage destruction with intraarticular osteoclastogenesis inhibitory factor/osteoprotegerin in a murine model of osteoarthritis.	7305	S					23	1	1076	
23	3	1070	Receptor for Advanced Glycation End-Products Is a Marker of Type I Cell Injury in Acute Lung Injury.	7306	SS					23	1	1077	
23	3	1071	Glucocorticoids suppress tumor angiogenesis and in vivo growth of prostate cancer cells.	7307	SS					23	1	1078	
23	3	1072	G protein-dependent presynaptic inhibition mediated by AMPA receptors at the calyx of Held.	7309	SS		23	11	2037	23	1	1079	
23	3	1073	The potential role of amyloid-beta in the pathogenesis of age-related macular degeneration.	7310	SS		23	3	2001	23	1	1080	
23	3	1074	Role of thrombospondin-1 in T cell response to ocular pigment epithelial cells.	7310	SS					23	1	1081	
23	3	1075	Regulation of osteoclast differentiation and function by the CaMK/CREB pathway.	7401	SS		23	3	2002	23	2	1002	
23	3	1076	Ihh/Gli2 signalling promotes osteoblast differentiation by regulating Runx2 expression and function.	7401	S		23	3	2003	23	2	1003	
23	3	1077	Constitutive activation of GSK3 down regulates glycogen synthase abundance and glycogen deposition in rat skeletal muscle cells.	7401	S								
23	3	1078	特許番号：第3917825、特許名：「血管新生抑制剤」	7402	SS		23	3	2004	23	2	1004	
23	3	1079	Th17 functions as an osteoclastogenic helper T cell subset that links T cell activation and bone destruction.	7402	SS		23	3	2005	23	2	1005	
23	3	1080	Autoamplification of NFATc1 expression determines its essential role in bone homeostasis.	7402	SS		23	3	2006	23	2	1006	
23	3	1081	NFAT and Osterix cooperatively regulate bone formation.	7402	SS		23	3	2007	23	2	1007	
23	3	1082	Costimulatory signals mediated by the ITAM motif cooperate with RANKL for bone homeostasis.	7402	SS		23	3	2008	23	2	1008	

23: 3: 1083	Nucleotide-sugar transporter SLC35D1 is critical to chondroitin sulphate synthesis in cartilage and skeletal development in mouse and human.	7402	SS		23: 3: 2009	23: 2: 1009	
23: 3: 1084	Calcineurin-mediated dephosphorylation of c-Jun Ser-243 is required for c-Jun protein stability and cell transformation.	7402	S		23: 3: 2010	23: 2: 1010	
23: 3: 1085	Protein kinase CK2 is a key activator of histone deacetylase in hypoxia-associated tumors.	7402	S		23: 3: 2011	23: 2: 1011	
23: 3: 1086	PP2B-mediated Dephosphorylation of c-Jun C-Terminus Regulates Phorbol Ester-induced c-Jun/Spl interaction in A431 Cells.	7402	S		23: 3: 2012	23: 2: 1012	
23: 3: 1087	Constitutive expression and involvement of cyclooxygenase-2 in human megakaryocytopoiesis.	7402	S		23: 3: 2013	23: 2: 1013	
23: 3: 1088	Pathological role of osteoclast costimulation in arthritis-induced bone loss.	7402	S		23: 3: 2014	23: 2: 1014	
23: 3: 1089	Contribution of NFATc1 to the transcriptional control of immunoreceptor OSCAR but not TREM-2 during osteoclastogenesis.	7402	S		23: 3: 2015	23: 2: 1015	
23: 3: 1090	In vitro formation of capillary networks using optical lithographic techniques.	7402	S		23: 3: 2016	23: 2: 1016	
23: 3: 1091	Sonic hedgehog signalling is important in tooth root development.	7402	S		23: 10: 2053	23: 2: 1018	
23: 3: 1092	Costimulation via glucocorticoid-induced tumor necrosis factor receptor(GITR) in both conventional and CD25+ regulatory CD4+ T cells.	7402	S		23: 10: 2055	23: 2: 1019	
23: 3: 1093	Inhibition of RANKL-induced osteoclastogenesis by (-)-DHMEQ, a novel NF-kB inhibitor, through downregulation of NFATc1.	7402	S		23: 10: 2057	23: 2: 1020	
23: 3: 1094	The existence of CD11c+ sentinel and F 4/80+ interstitial dendritic cells in dental pulp and their dynamics and functional properties.	7402	S		23: 10: 2058	23: 2: 1022	
23: 3: 1095	Tools for the body (schema).	7402	S		23: 11: 2040	23: 2: 1022	
23: 3: 1096	The neural origins and implications of imitation, mirror neurons and tool use.	7402	S		23: 11: 2041	23: 2: 1023	
23: 3: 1097	C-reactive protein suppresses insulin signalling in endothelial cells. Role of Syk tyrosine kinase.	7402	S		23: 10: 2049		
23: 3: 1098	BAFF/BlyS can potentiate B-cell selection with the B-cell co-receptor complex.	7402	SS			23: 2: 1024	
23: 3: 1099	The expression and function of costimulatory molecules B7h and B7-H1 on colonic epithelial cells.	7402	SS			23: 2: 1025	
23: 3: 1100	A critical role for the programmed death ligand 1 in fetomaternal tolerance.	7402	SS			23: 2: 1026	
23: 3: 1101	Insulin-induced remission in new onset NOD mice is maintained by the PD-1/PD-L1 pathway.	7402	SS			23: 2: 1027	

23	3	1102	Plasmacytoid dendritic cells from tumor-draining lymph nodes directly activate regulatory T cells via indoleamine 2,3-dioxygenase.	7402	SS				23	2	1028	
23	3	1103	Defective microtubule-dependent podosome organization in osteoclasts lead to increased bone density in Pyk2(-/-)mice.	7402	SS				23	2	1029	
23	3	1104	Selective inhibition of NF- κ B blocks osteoclastogenesis and prevents inflammatory bone destruction in vivo.	7402	SS				23	2	1030	
23	3	1105	A TNF receptor loop peptide mimic blocks RANK ligand-induced signalling, bone resorption and bone loss.	7402	SS				23	2	1031	
23	3	1106	Unique role of SNT-2 β /FRS3 docking/adaptor protein for negative regulation in EGF receptor tyrosine kinase signaling pathways.	7402	S				23	2	1033	
23	3	1107	B7-DC regulates asthmatic responses by interferon- γ -dependent mechanism.	7402	S				23	2	1034	
23	3	1108	Blockade of the interaction between PD-1 and PD-L1 accelerates graft arterial disease in cardiac allograft.	7402	S				23	2	1035	
23	3	1109	Role of the programmed death-1 pathway in regulation of alloimmune responses in vivo.	7402	S				23	2	1036	
23	3	1110	Analysis of the role of negative T cell costimulatory pathways in CD4 and CD8 T cell-mediated alloimmune responses in vivo.	7402	S				23	2	1037	
23	3	1111	Blockade of B7-H1 on macrophages suppresses CD4+ T cell proliferation by augmenting IFN- γ -induced nitric oxide production.	7402	S				23	2	1038	
23	3	1112	Defect in Serine 46 phosphorylation of p53 contributes to Acquisition of p53 Resistance in oral Squamous Cell Carcinoma Cells.	7402	S				23	2	1040	
23	3	1113	Loss of cyclin E requirement in cell growth of an oral Squamous Cell Carcinoma Cell Line implies deregulation of its downstream pathway.	7402	S				23	2	1041	
23	3	1114	A tumor necrosis factor receptor loop peptide mimic inhibits bone destruction to the same extent as anti-tumor necrosis factor monoclonal antibody in murine collagen-induced arthritis.	7402	S				23	2	1042	
23	3	1115	Enhanced ectopic bone formation using a combination of plasmid DNA impregnation into 3-D scaffold and bioreactor perfusion culture.	7402	S				23	2	1043	
23	3	1116	Accessory cell function of airway epithelial cells.	7402	S							
23	3	1117	B7-H1 expression in non-small cell lung cancer and its relationship with tumor infiltrating lymphocytes and their PD-1 expression.	7402	S							
23	3	1118	Phase I study of Autologous Tumor Vaccines Transduced with the GM-CSF Gene in Four Patients with Stage IV Renal Cell Cancer in Japan : Clinical and Immunological Findings.	7402	S							
23	3	1119	Clinical Significance of PD-L1 and PD-L2 expression in human esophageal cancer.	7402	S							

23	3	1120	Differential role of PD-L1 and PD-L2 in regulating the susceptibility and chronic progression of experimental autoimmune encephalomyelitis.	7402	S							
23	3	1121	Preferential involvement of Tim-3 in the regulation of hepatic CD8+ T cells in murine acute graft-versus-host disease.	7402	S							
23	3	1122	B7-H1-induced apoptosis is as a mechanism of immune privilege of corneal allografts.	7402	S							
23	3	1123	Over expression of B7-H1 (PD-L1) significantly associated with tumor grade and postoperative prognosis in human urothelial cancer.	7402	S							
23	3	1124	Clinical significance and therapeutic potential of the Programmed Death-1 ligand/Programmed Death-1 pathway in human pancreatic cancer.	7402	S							
23	3	1125	B7-1 mediated costimulation regulates pancreatic autoimmunity.	7402	S							
23	3	1126	Roles of programmed death-1(PD-1) /PD-1 ligands pathway in the development of murine cute myocarditis caused by coxsackievirus B3.	7402	S							
23	3	1127	Perioheral tolerance and the qualitative characteristics of autoreactive T cell clones in primary biliary cirrhosis.	7402	S							
23	3	1128	A link between PDL1 and T regulatory cells in fetomaternal tolerance.	7402	S							
23	3	1129	Autotaxin stabilizes blood vessels and is required for embryonic vasculature by producing lysophosphatidic acid.	7402	S							
23	3	1130	Combination of 3D tissue engineered scaffold and non-viral gene carrier enhance in vitro DNA expression of mesenchymal stem cells.	7402	S							
23	3	1131	特許番号：第3927993、特許名：「放射線増感剤」	7403	SS					23	2	1045
23	3	1132	α -Sulfoquinovosylmonoacylglycerol is a novel potent radiosensitizer targeting tumor angiogenesis.	7403	S					23	2	1046
23	3	1133	Evidence that basal activity, but not transactivation, of the epidermal growth factor receptor tyrosine kinase is required for insulin-like growth factor I-induced activation of extracellular signal-regulated kinase in oral carcinoma cell.	7403	S					23	2	1047
23	3	1134	A synthetic enamel for rapid tooth repair.	7404	SS		23	3	2018	23	2	1048
23	3	1135	Water concentration in self-etching primers affects their aggressiveness and bonding efficacy to dentin.	7404	S		23	3	2019	23	2	1049
23	3	1136	Microtensile bond strengths of two adhesive resins to discolored dentin after amalgam removal.	7404	S		23	3	2020	23	2	1050
23	3	1137	Bcl-2 acts in a pro-angiogenic signalling molecule.	7404	S					23	2	1053

23	3	1138	Bcl-2 Orchestrates a Cross-talk between Endothelial and Tumor Cells that Promotes Tumor Growth.	7404	S			23	2	1054		
23	3	1139	The novel gene encoding a putative transmembrane protein is mutated in Gnathodiaphyseal Dysplasia.	7406	SS		23	3	2021	23	2	1057
23	3	1140	Involvement of ASK1 in Ca ²⁺ -induced p38 MAP kinase activation.	7406	S		23	3	2022	23	2	1058
23	3	1141	ATM-dependent nuclear accumulation of IKK- α plays an important role in the regulation of p73-mediated apoptosis in response to cisplatin.	7406	S		23	10	2066	23	2	1059
23	3	1142	Osteopontin-Deficiency suppresses growth of B16 melanoma cells implanted in bone and osteoclastogenesis in Co-Cultures.	7406	S		23	10	2067	23	2	1060
23	3	1143	Spaciotemporal association and bone morphogenetic protein regulation of sclerostin and osterix expression during embryonic osteogenesis.	7406	S		23	10	2068	23	2	1061
23	3	1144	Frequent silencing of low density lipoprotein Receptor-Related Protein 1B (LRP1B) expression by genetic and epigenetic mechanisms in esophageal squamous cell carcinoma.	7406	S		23	10	2069	23	2	1062
23	3	1145	ROS-dependent activation of TRAF-6/ASK1-p38 pathway is selectively required for TLR4-mediated innate immunity.	7406	SS					23	2	1063
23	3	1146	Tyrosine phosphorylation controls PCNA function through protein stability.	7406	SS					23	2	1064
23	3	1147	Prolonged rhythmic gum chewing suppresses nociceptive response via serotonergic descending inhibitory pathway in humans.	7406	S					23	2	1065
23	3	1148	Amyloid β induces neuronal cell death through ROS-mediated ASK1 activation.	7406	S					23	2	1066
23	3	1149	Cyclin D1 gene numerical aberration is a predictive marker for occult cervical lymph node metastasis in TNM stage and squamous cell carcinoma of the oral cavity.	7406	S					23	2	1067
23	3	1150	Constitutively Active Parathyroid Hormone Receptor Signalling in cells in Osteoblastic Lineage Suppresses Mechanical Unloading-induced bone resorption.	7407	S		23	10	2070	23	2	1069
23	3	1151	The representation of the human oral area in the somatosensory cortex: a functional MRI study.	7407	S		23	3	2023	23	2	1070
23	3	1152	Functional analysis of natural mutations in two TWIST protein motifs.	7407	S		23	3	2024	23	2	1071
23	3	1153	Tob deficiency superenhances osteoblastic activity after ovariectomy to block estrogen deficiency-induced osteoporosis.	7408	SS		23	3	2026	23	2	1078
23	3	1154	Porcine dentin sialoproteins a proteoglycan with glycosaminoglycan chains containing chondroitin 6-sulfate.	7408	S		23	3	2027	23	2	1079
23	3	1155	Dentin Sialophosphoprotein Is processed by MMP-2 and MMP-20 in Vitro and in Vivo.	7408	S		23	3	2028	23	2	1080

23: 3: 1156	MyoD enhances BMP7-induced osteogenic differentiation of myogenic cell cultures.	7408	S		23: 3: 2029	23: 2: 1081	
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学部・研究科等を代表する優れた研究業績リスト(I表)

法人名	東京医科歯科大学	学部・研究科名	保健衛生学研究科
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1. 学部・研究科等の目的に沿った研究業績の選定の判断基準(200字以内)

医療での新たな知識・技術開発、システム構築に寄与する研究成果を選定した。総合保健看護学専攻では、特に学問体系構築に資する新たな看護理論の構築や看護モデルの開発に関する試みや、臨床現場における高度な問題解決に関わる研究を、生体検査科学専攻では、臨床検査の質を高め診断の精度向上に寄与することを目的とした研究、とりわけ疾患の病因、病態の解析、生体機能の評価に関わる研究を選定した。

2. 選定した研究業績リスト

No	研究業績名	細目番号	研究業績の分析結果		重複して選定した研究業績		共同利用等
			学術的意義	社会、経済、文化的意義	業績番号(重点的に取り組む領域)	業績番号(他の組織)	
23:4:1001	Molecular analysis of Clostridium difficile at a university teaching hospital in Japa* a shift in the predominant type over a five-year period.	6911	S		23:5:2003	23:1:1013	
23:4:1002	Extracellular RNA is a natural cofactor for the (auto-) activation of Factor VII-activating protease (FSAP).	7209	SS		23:5:2004	23:1:1049	
23:4:1003	1, 25(OH)2D3 blocks TNF-induced monocytic tissue factor expression by inhibition of transcription factors AP-1 and NF-κB.	7209	S		23:5:2005	23:1:1050	
23:4:1004	Language processing and human voice perception in schizophrenia: A functional magnetic resonance imaging study.	7210	SS		23:5:2006	23:1:1052	
23:4:1005	Men and women show distinct brain activations during imagery of sexual and emotional infidelity.	7210	S		23:5:2007	23:1:1053	
23:4:1006	NF-κB inhibitor dehydroxymethylepoxy-quinomicin suppresses osteoclastogenesis and expression of NFATc1 in mouse arthritis without affecting expression of RANKL, osteoprotegerin or macrophage colony-stimulating factor.	7210	S		23:5:2008	23:1:1054	
23:4:1007	Effect of a small molecule inhibitor of NF-κB nuclear translocation in a murine model of arthritis and cultured human synovial cells.	7210	S		23:5:2009	23:1:1055	
23:4:1008	Gefitinib for refractory advanced non small cell lung cancer.	7501	SS			23:1:1083	
23:4:1009	ディスチャージプランニングプロセス評価尺度の開発と有用性	7502	SS			23:1:1084	

23	4	1010	A discriminative study of health-related quality of life assessment in HIV-1-infected persons living in Japan using the Multidimensional Quality of Life Questionnaire for persons with HIV/AIDS.	7502	SS				23	1	1085	
23	4	1011	重症外傷患者の回復過程における状況認知と適応のプロセス	7502	S				23	1	1086	
23	4	1012	Changes in Breast Skin Temperature During The Course of Breastfeeding.	7502	S				23	1	1087	
23	4	1013	コントロール感覚からみた産褥早期の母親の出産体験の分析	7502	S				23	1	1088	
23	4	1014	Preliminary early intervention study Nursing Child Assessment Teaching Scale in Japan.	7502	S				23	1	1089	
23	4	1015	Measuring Japanese mother's perception of child abuse: Development of Japanese Version of the child abuse blame scale(CABS-PA-J).	7502	S				23	1	1090	
23	4	1016	Family Carers for older relatives: source of satisfaction and related factors in Finland.	7503	S		23	4	2001	23	1	1091
23	4	1017	Coping strategies of family carers for older relatives in Finland.	7503	S		23	4	2002	23	1	1092
23	4	1018	A Minimum Data Set prevalence of pain quality indicator:Is it accurate and dose it reflect differences in care processes?	7503	SS				23	1	1093	
23	4	1019	Effective Components of Staff and Organizational Development for Client Outcomes by Implementation of Action Plans in Home Care.	7503	S				23	1	1094	

学部・研究科等を代表する優れた研究業績リスト(I表)

法人名	東京医科歯科大学	学部・研究科名	疾患生命科学研究所
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1. 学部・研究科等の目的に沿った研究業績の選定の判断基準(200字以内)

学術的意義においては、21世紀型医学、生命科学研究を推進する研究において、学術的意義が高く、評価の高い国際学術誌に掲載された業績の中で、特に研究者ソサイエティーもしくは社会的に高い評価を受けたものを選定した。社会的、経済的意義においては、研究成果が臨床応用された業績もしくは臨床医療への実用性が期待され、応用展開が推進されている研究業績を選定した。

2. 選定した研究業績リスト

No	研究業績名	細目番号	研究業績の分析結果		重複して選定した研究業績		共同利用等
			学術的意義	社会、経済、文化的意義	業績番号(重点的に取り組む領域)	業績番号(他の組織)	
23:5:1001	Indispensability of glutamate transporters GLAST and GLT1 to brain development.	1101	SS		23:6:2002	23:7:1002	
23:5:1002	Integrative annotation of 21,037 human genes validated by full-length cDNA clones.	5701	SS		23:6:2005		
23:5:1003	A transgenic reporter reveals cell-type-specific expression profiles and regulation mechanisms of alternatively-spliced exons in vivo.	5804	SS		23:6:2006	23:7:1004	
23:5:1004	Synthetic Retinoids: Recent Developments Concerning Structure and Clinical Utility.	6804	SS		23:6:2008	23:6:1013	
23:5:1005	The potential role of glutamate transporters in the pathogenesis of normal tension glaucoma.	6906	SS		23:6:2011	23:7:1012	
23:5:1006	Utilization of host SR protein kinases and RNA-splicing machinery during viral replication.	6912	SS		23:6:2012	23:7:1023	
23:5:1007	Molecular interactions regulate BCR signal inhibition by CD22 and CD72.	6913	SS		23:6:2013	23:7:1026	

学部・研究科等を代表する優れた研究業績リスト(I表)

法人名	東京医科歯科大学	学部・研究科名	生体材料工学研究所
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1. 学部・研究科等の目的に沿った研究業績の選定の判断基準(200字以内)

学術的な基準として、ISI社の文献データベースに基づき、当該分野において高いImpact Factor/Total Citesにランクされる国際的な学術雑誌に掲載され、さらに本成果に基づく新規大型研究プロジェクトや学会賞の受賞等、他においても高い学術評価が得られた研究業績を選定した。また健康福祉(高齢社会)を対象に、特許や事業化、新規市場開拓等の社会的・経済的に高い評価を得た研究業績も選定した。

2. 選定した研究業績リスト

No	研究業績名	細目番号	研究業績の分析結果		重複して選定した研究業績		共同利用等
			学術的意義	社会、経済、文化的意義	業績番号(重点的に取り組む領域)	業績番号(他の組織)	
23:6:1001	Evidence of spatially-bound gene regulation in M. musculus: Decreased gene expression proximal to microRNA genomic location.	1011	SS		23:14:2001		
23:6:1002	Induction of HER2-specific T cell immune responses in patients with HER2-expressing cancer vaccinated with truncated HER2 protein 1-146 complexed with nanogels of cholesteryl pullulan.	1301	SS		23:14:2002		
23:6:1003	Preparation and characterization of cross-linked collagen-phospholipid polymer hybrid gels.	1301	SS		23:14:2003		
23:6:1004	Structure and strength at the bonding interface between a titanium-segmentated polyurethane composite through 3-(trimethoxysilyl) propyl methacrylate for artificial organs.	1301	S		23:14:2004		
23:6:1005	Design of Hybrid Hydrogels with Self-Assembled Nanogels as Cross-Linkers: Interaction with Proteins and Chaperone-Like Activity.	1301	S		23:14:2005		
23:6:1006	Enhanced bone ingrowth into hydroxyapatite with interconnected pores by electrical polarization.	1301	S		23:14:2006	23:1:1006	
23:6:1007	Bioelectronic sniffer with monoamine oxidase for halitosis monitoring.	1302	SS		23:14:2021		
23:6:1008	Dynamic Deformation and Recovery Response of A Red Blood Cell to Cyclically Reversing Shear Flow: Effects of Frequency of Cyclically Reversing Shear Flow and Shear Stress Level.	1302	S		23:14:2022		
23:6:1009	ユビキタス人体通信による脈拍計測	1302	S		23:14:2026		
23:6:1010	Protein repellency of well-defined, concentrated poly(2-hydroxyethyl methacrylate) brushes by the size-exclusion effect.	2102	SS		23:14:2027		

23: 6: 1011	Role of the community effect of cardiomyocyte in the entrainment and reestablishment of stable beating rhythms.	5803	SS		23: 14: 2031		
23: 6: 1012	Quantitative measurement of damage caused by 1064-nm wavelength optical trapping of Escherichia coli cells using on-chip single cell cultivation system.	5803	S		23: 14: 2032		
23: 6: 1013	Synthetic Retinoids: Recent Developments Concerning Structure and Clinical Utility.	6804	SS		23: 6: 2008	23: 5: 1004	
23: 6: 1014	Stereoselective Synthesis of [L-Arg, L/D-3-(2-naphthyl)alanine]-Type (E)-Alkene Dipeptide Isosteres and its Application to the Synthesis and Biological Evaluation of Pseudopeptide Analogs of the CXCR4 Antagonist FC131.	6804	SS		23: 14: 2037		
23: 6: 1015	Development of Low Molecular Weight CXCR4 Antagonists by Exploratory Structural Tuning of Cyclic Tetra- and Pentapeptide-scaffolds towards the Treatment of HIV Infection, Cancer Metastasis and Rheumatoid Arthritis.	6804	S		23: 14: 2038		
23: 6: 1016	Upregulation of Nitric Oxide Production in Vascular Endothelial Cells by All-trans Retinoic Acid Through the Phosphoinositide 3-Kinase/Akt Pathway.	6804	S		23: 14: 2039		

学部・研究科等を代表する優れた研究業績リスト(I表)

法人名	東京医科歯科大学	学部・研究科名	難治疾患研究所
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1. 学部・研究科等の目的に沿った研究業績の選定の判断基準(200字以内)

病因あるいは病態形成機構が不明なため有効な治療法が確立されていない難治性疾患について、疾患の発症および病態形成に関わる生命現象を解明し、その知見を生かした新たな診断、治療、予防法を開発することを目的とし、かつ国際的に高く評価される先端的かつ高度な先端医学研究であること

2. 選定した研究業績リスト

No	研究業績名	細目番号	研究業績の分析結果		重複して選定した研究業績		共同利用等
			学術的意義	社会、経済、文化的意義	業績番号(重点的に取り組む領域)	業績番号(他の組織)	
23:7:1001	The dorsomedial hypothalamic nucleus as a food-entrainable circadian pacemaker.	1101	SS		23:7:2001		
23:7:1002	Indispensability of glutamate transporters GLAST and GLT1 to brain development.	1101	SS		23:6:2002	23:5:1001	
23:7:1003	The muscle protein Dok-7 is essential for neuromuscular synaptogenesis.	1104	SS		23:7:2003		
23:7:1004	A transgenic reporter reveals cell-type-specific expression profiles and regulation mechanisms of alternatively-spliced exons in vivo.	5804	SS		23:6:2006	23:5:1003	
23:7:1005	JNK phosphorylation of 14-3-3 regulates nuclear targeting of c-Abl in the apoptotic response to DNA damage.	5804	SS		23:7:2005		
23:7:1006	DYRK2 is targeted to the nucleus and controls p53 via Ser46 phosphorylation in the apoptotic response to DNA damage.	5804	SS		23:7:2006		
23:7:1007	Stress response gene ATF3 is a target of c-myc in serum-induced cell proliferation.	5804	SS		23:7:2007		
23:7:1008	Role of the TAK1-NLK-STAT3 pathway in TGF- β -mediated mesoderm induction.	5806	SS		23:7:2008		
23:7:1009	Release of RASSF1C from the nucleus by DAXX degradation links DNA damage and SAPK/JNK activation.	6803	SS		23:7:2009		

23	7	1010	Activation of the JNK pathway by MST1 is essential and sufficient for the induction of chromatin condensation during apoptosis.	6803	SS		23	7	2010			
23	7	1011	Nontranscriptional regulation of cardiac repolarization currents by testosterone.	6904	SS		23	7	2011			
23	7	1012	The potential role of glutamate transporters in the pathogenesis of normal tension glaucoma.	6906	SS		23	6	2011	23	5	1005
23	7	1013	A paracrine loop between adipocytes and macrophages aggravates inflammatory changes: role of free fatty acids and tumor necrosis factor α .	6906	SS		23	7	2013			
23	7	1014	The nucleocytoplasmic shuttling protein CIZ reduces adult bone mass by inhibiting bone morphogenetic protein-induced bone formation.	6906	SS		23	7	2014			
23	7	1015	Frequent silencing of the candidate tumor suppressor PCDH20 by epigenetic mechanism in non-small-cell lung cancers.	6906	SS		23	7	2015			
23	7	1016	Alteration in copy-numbers of genes as a mechanism for acquired drug resistance.	6906	SS		23	7	2016			
23	7	1017	Sequence-specific gene silencing in mammalian cells by alkylating pyrrole-imidazole polyamides.	6906	SS		23	7	2017			
23	7	1018	Deletion of Peg10, an imprinted gene acquired from a retrotransposon, causes early embryonic lethality.	6907	SS		23	7	2018			
23	7	1019	Polymorphisms in pro- and anti-inflammatory cytokine genes and susceptibility to atherosclerosis: a pathological study of 1,503 consecutive autopsy cases.	6907	SS		23	7	2019			
23	7	1020	Retrotransposon Silencing by DNA Methylation Can Drive Mammalian Genomic Imprinting.	6907	SS		23	7	2020			
23	7	1021	Functional characterization of a trafficking-defective HCN4 mutation, D553N, associated with cardiac arrhythmia.	6907	SS		23	7	2021			
23	7	1022	TCAP mutations in hypertrophic cardiomyopathy and dilated cardiomyopathy.	6907	SS		23	7	2022			
23	7	1023	Utilization of host SR protein kinases and RNA-splicing machinery during viral replication.	6912	SS		23	6	2012	23	5	1006
23	7	1024	Hematopoietic stem cell-engrafted NOD/SCID/IL2Rgamma null mice develop human lymphoid system and induce long-lasting HIV-1 infection with specific humoral Immune Responses.	6912	SS		23	7	2024	23	1	1014
23	7	1025	Dok-1 and Dok-2 are negative regulators of lipopolysaccharide-induced signaling.	6913	SS		23	7	2025			
23	7	1026	Molecular interactions regulate BCR signal inhibition by CD22 and CD72.	6913	SS		23	6	2013	23	5	1007

23: 7: 1027	Involvement of cell cycle progression in survival signaling through CD40 in B lymphocyte line WEHI-231.	6913	SS		23: 7: 2027		
23: 7: 1028	Dok-7 mutations underlie a neuromuscular junction synaptopathy.	7206	SS		23: 7: 2028		
23: 7: 1029	Proteome analysis of soluble nuclear proteins reveals that HMGB1/2 suppress genotoxic stress in polyglutamine diseases.	7206	SS		23: 7: 2029		
23: 7: 1030	Transcriptional repression induces a slowly progressive atypical neuronal death associated with changes of YAP isoforms and p73.	7206	SS		23: 7: 2030		
23: 7: 1031	Tob deficiency superenhances osteoblastic activity after ovariectomy to block estrogen deficiency-induced osteoporosis.	7408	SS		23: 3: 2026	23: 2: 1078	