

# 5. 研究のキーワード

## 解剖学第一講座 (Anatomy I)

キ ー ワ ー ド	業 績 の 番 号
Bone and Cartilage	A-a-5, A-a-6, A-a-7
Feeding Behavior	A-a-4, B-b-1
Hippocampus	
Hypothalamus	A-a-2, A-a-4
Obesity	A-a-1, B-b-1
Parathyroid	A-a-3
TGF- $\beta$	A-a-6, A-a-7
Uncoupling protein	A-a-2, B-b-1

## 解剖学第二講座 (Anatomy II)

キ ー ワ ー ド	業 績 の 番 号
Blood vessel	B-b-4
Bone	
Comparative anatomy	
Donation of one's body	
Gross anatomy	B-b-3, B-b-4, B-c-1
Human body	B-c-1
Human skeletal remains	B-b-1, B-d-1, B-d-2, B-d-3
Mongoloid	B-a-2
Muscle	B-b-3, B-c-1
Nerve fiber analysis	
Nonmetrical traits	A-a-1, B-a-1
Origin of Japanese	B-a-2
Peripheral nerves	B-b-3
Physical anthropology	A-a-1, A-b-1, B-a-1, B-b-2, B-b-5
Variation	B-b-3, B-c-1

解剖学第三講座 (Anatomy III)

キ ー ワ ー ド	業 績 の 番 号
apoptosis	A-a-2, 4, 10, 17, 18, 19, 20, 22, 23 A-c-1, 4 B-c-1, 2, 3 B-d-1
backscattered electron microscopy	A-a-26
estrogen receptor	A-a-6 A-b-3
ets-1 proto-oncogene	A-a-24
Fas	A-a-2, 15, 19
Fas ligand	A-a-2, 10, 15
germ cells	A-a-8 B-c-2 B-d-1
heat shock protein	A-a-1, 13, 21 A-b-10, 11, 12
hepatitis C virus (HCV)	A-a-5
immunoelectron microscopy	A-a-12 A-b-5 B-b-5
immunohistochemistry	A-a-4, 6 A-b-2, 4, 6, 7 B-b-5
in situ hybridization	A-a-9, 11 A-b-1, 8 A-c-2, 5, 7 B-b-1, 2, 4
metallothionein	A-a-27
nerve regeneration	A-a-3
nitric oxide synthase	A-a-16
retinoblastoma protein	A-a-4
southwestern histochemistry	A-a-7 A-b-2, 4, 6 A-c-3, 6 B-b-3, 4, 5
SP-22 (mitochondrial antioxidant protein)	A-a-14
terminal dUTP nick end labeling (TUNEL)	A-a-25 A-c-1, 4 B-c-1
thymine-thymine demonized DNA probe	A-a-9, 11 A-c-7 B-b-2

生理学第一講座 (Physiology I)

キ ー ワ ー ド	業 績 の 番 号
Adrenocortical hormone	
Adrenal medulla	
Osteoblast	A-a-1
apoptosis	A-a-1
parathyroid	A-a-2
osteoporosis	A-a-2, B-c-1

## 生理学第二講座 (Physiology II)

キ ー ワ ー ド	業 績 の 番 号
central nervous system	A-a-1, A-b-1, A-b-2, A-b-3
excitability	A-a-1, A-b-3
neonatal decortication	A-b-1
neural reorganization	A-b-1
neuronal death	A-b-2, A-b-3
neurotoxicity	A-b-2, A-b-3
synaptic transmission	A-a-1

## 生化学講座 (Biochemistry)

キ ー ワ ー ド	業 績 の 番 号
active oxygens	A-a-2
amino acid sequence	
calcium binding proteins	A-c-1
DNA binding protein	B-d-1
EGF	A-a-4
HLTL V-1	A-a-1, A-a-3
muscle contraction	
myosin	
protein phosphorylation	

## 薬理学(第一)講座 (Pharmacology (I))

キ ー ワ ー ド	業 績 の 番 号
Receptors	A-a-1, A-a-2, A-a-15
Endothelins	A-a-1, A-a-2
Catecholamines	
Spontaneously hypertensive rats	A-a-4
Neuronal death	A-a-1, A-a-3, A-a-5, A-a-6, A-a-13, A-a-14
Nitric oxide	A-a-2
Glial cells	A-a-1, A-a-3
Biologically active peptides	A-a-1, A-a-2
Blood-brain barrier	A-a-1, A-a-5, A-a-6
Quantitative receptor imaging system	A-a-1
TSH receptor	A-a-8, A-a-11, A-a-16, A-a-17
Cancer & gene therapy	A-a-7, A-a-9

薬理学(第二)講座 (Pharmacology(II))

キ ー ワ ー ド	業 績 の 番 号
Amines (Acetylcholine, Catecholamines, Serotonin)	A-a-1, 2, 3, 4, 5, 6, 7 A-b-1, 2
Amino acids (GABA, glutamate)	A-b-2
Cardiovascular pharmacology	A-a-4, 9
Central nervous system	A-a-8, 12
Cytokines	A-a-10, 11, 13, 16
Purine	A-a-10
Gastrointestine	A-a-1, 2, 5, 6 A-b-1, 2
Glia	A-a-12
Intracellular signal transduction	A-a-3, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
Ion channels	A-a-4, 7, 8, 9, 10, 13
transporter	A-a-3, 14, 15, 16, 17
Nitric oxide	
Patch clamp	A-a-4, 9
Peptides	A-a-7, 11, 12, 13, 16
Quantitative receptor autoradiography	A-a-1, 5
Receptors	A-a-1, 2, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 A-b-1, 2
Release	A-a-2, 3, 5, 6 A-b-1, 2
Single cardiac myocyte	A-a-4, 9
G protein	A-a-9, 10, 11, 12, 14, 15, 16, 17
<i>Xenopus</i> oocytes	A-a-2, 3, 9

病理学第一講座 (Pathology I)

キ ー ワ ー ド	業 績 の 番 号
Aging	A-a-3, 5, 6
Cell death	A-a-3, 5, 7
Cell differentiation	
Cell Proliferation	
Dietary Restriction	A-a-3, 6, 7
DNA damage	
Neuroendocrinology	A-a-6
Hepatology	A-a-3, 7
Cancer	
Epidemiology	
Surgical Pathology	A-a-1, 2, 4

## 病理学第二講座 (Pathology II)

キ ー ワ ー ド	業 績 の 番 号
Apoptosis	
Collagen	Aa-1, 6
CNS gene expression	Aa-12, 18
Drug nephrotoxicity	Aa-5
Diagnostic cytology	
Endothelin	Aa-13, 14
Ets-1	Aa-8
Extracellular matrix	Aa-4, 9
Glomerulonephritis	Aa-3, 7, 8, 9, Ad-1, Ba-2
Growth Factor	
HSP47	Aa-1, 2, 3, 6, 9, Ab-1, 2
In situ hybridization	
Prion	Aa-15, 17, 19, 20
Peptide receptor	
Surgical pathology	Aa-10, 11, 16, Ba-1, 3, Bd-1
Transplantation	Aa-2
Tubulointerstitial nephritis	

## 衛生学講座 (Preventive Medicine &amp; Health Promotion)

キ ー ワ ー ド	業 績 の 番 号
Cadmium	
Environmental health	B-a-1
Environmental pollution	B-a-1
Epidemiology	A-a-1, A-a-2, A-a-3, A-a-4
HTLV-I	A-a-1
Nutrition	
Radiation effect	B-c-1
Renal tubular function	
Thyroid Cancer	

公衆衛生学講座 (Public Health)

キ ー ワ ー ド	業 績 の 番 号
Human ecology	A-a-4, B-b-1, 2, 4
Osteoporosis	A-a-3, B-b-3
Mental Health	A-a-5, 6, B-a-6, B-d-2, 6
Counselling	B-d-3, 4
Occupational Health	B-d-5
Network	
Role Play	
Simulation Patient (SP)	
Chlamydia trachomatis	A-a-2
Epidemiology	B-d-1
Pregnant women	B-a-1
Health Education	A-a-1, B-a-5
Community Health	A-a-7, B-a-2

医動物学講座 (Medical Zoology and Immunology)

キ ー ワ ー ド	業 績 の 番 号
anergy	B-c-1
antigen presentation	A-b-1, 2, 3, B-b-1
antigenic peptide	A-b-1, 2, 3, B-b-1
apoptosis	
cancer immunity	A-b-1, 2, 3, B-b-1
cell cycle	B-c-1
cytotoxic T lymphocytes (CTL)	A-b-1, 2, 3, B-b-1
heat shock protein	A-b-1, 2, 3, B-b-1
infection	
major histocompatibility complex (MHC)	A-b-1, 2, 3, B-b-1
malaria	
molecular chaperone	A-b-1, 2, 3, B-b-1
T cell receptor	B-c-1
immunological tolerance	B-c-1
transgenic mice	B-c-1

## 法医学講座 (Forensic Medicine)

キ　ー　ワ　ー　ド	業　績　の　番　号
Blood group	
Cause of death	A-a-1 B-a-1, 2, 3, 4 B-d-1, 2
DNA profiling	B-a-3
Electrophoresis	
Forensic anthropology	
Forensic autopsy	B-a-2
Forensic hemogenetics	
Forensic immunology	
Forensic pathology	A-a-1 B-a-1, 2, 4 B-d-1, 2
Forensic science	B-a-3
Forensic serology	
Human identification	B-a-3
Immunohistochemistry	A-a-1 B-a-1, 2, 3 B-d-1, 2
Immunonizing	
Medico-legal expert opinion	
Paternity testing	
Polymerase chain reaction (PCR)	
Postmortem examination	A-a-1 B-a-1, 2, 3, 4 B-d-1, 2

## 感染防御因子解析学分野 (Division of Cytokine Signaling)

キ　ー　ワ　ー　ド	業　績　の　番　号
apoptosis	A-a-3
ATL	A-a-3
cell cycle	A-a-3
interferon	A-a-2
IRF	A-a-2
knock-out mouse	
NF $\kappa$ B	A-a-2
RNA polymerase	A-a-1
signal transduction	A-a-3
T cell	A-a-3
transcription	A-a-1, A-a-2
TNF	A-a-2

原爆後障害医療研究施設 放射線障害解析部門 病態分子解析研究分野

(Department of Molecular Pathology, Radiation Effect Research Unit, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
Atomic bomb	A-b-2, B-a-8, B-a-10, B-a-11
Autonomic nervous system	A-a-5
Chernobyl	B-a-6, B-a-13, B-a-14
Est-1	A-a-1, A-b-1
Pathology	A-a-4, A-a-7, A-a-8, A-a-9, A-c-1, B-a-5
Radiation effect	A-a-3, B-a-7, B-a-15
Radiation-induced colitis	A-a-11, B-a-4, B-a-9
Spontaneously hypertensive rats	A-a-12
Stomach	A-a-5, A-b-3, B-a-1, B-a-12
Ulcer	B-a-2
IGF-1	A-a-6
Ulcerative colitis	A-a-12, B-a-3, B-b-1
colon	A-a-2, A-a-10

原爆後障害医療研究施設 放射線障害解析部門 放射線応答解析研究分野

(Department of Radiation Biophysics, Radiation Effect Research Unit, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
Apoptosis	A-a-2, A-a-7
Bone	A-a-3, A-a-7
Chernobyl	A-c-1, B-d-4
DNA-PK	B-a-1
Graves' disease	A-a-4, A-a-5, A-a-6
High LET radiation	A-b-1, B-a-1, B-d-1, B-d-3
Leptin	A-a-6
MAP kinase	A-a-1
MPO-ANCA	A-a-4, A-a-5
p53	A-b-2, A-a-8, B-a-3, B-a-6, B-b-2, B-d-2
Scid	A-b-1, B-d-1, B-d-3
Thyroid Cancer	A-a-8, A-c-1, B-a-5, B-a-6, B-d-4
Wortmannin	B-a-2



## 原爆後障害医療研究施設 放射線障害解析部門 分子情報制御研究分野

(Department of Biochemistry and Molecular Biology in Disease, Radiation Effect Research Unit, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
Antioxidant	A-a-1, 2, 3 B-b-1, 3, 4, 5 c-2 d-1
Drug-resistance	B-b-2
Gene expression	A-a-1, 3 c-1 B-b-3, 4, 5 c-2
$\gamma$ -Glutamylcysteine synthetase ( $\gamma$ -GCS)	A-a-3 c-1 B-b-2, 3, 5 c-2 d-1
Glutathione	A-a-3 c-1 B-b-2, 3, 5 c-2 d-1
Multi-drug resistance	B-b-2
NF- $\kappa$ B	B-b-3 c-2
Reactive oxygen species	A-a-1 B-b-3, 4, 5 c-2
Redox regulation	A-a-1, 3 c-1, 2 B-b-1, 2, 4, 5 c-2 d-1
Ionizing radiation	A-a-1 B-b-3, 4

## 原爆後障害医療研究施設 放射線障害解析部門 放射線疫学研究分野

(Department of Radiation Epidemiology, Radiation Effect Research Unit, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
Atomic Bomb Survivors	
Biostatistics	A-c-1
Chernobyl	A-a-1
Epidemiology	A-a-2
Mental Health	
Public Health	A-a-2
Radiation Dose	A-a-1
Health Education	
Medical Informatics	

## 原爆後障害医療研究施設 分子医療部門 変異遺伝子解析研究分野

(Department of Human Genetics, Molecular Medicine Unit, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
genome	A-a-3, A-a-5, A-a-8, A-a-9, A-a- -12, A-a-15
gene cloning	A-a-3, A-a-6
imprinting	A-a-15, A-a-20

原爆後障害医療研究施設 分子医療部門 分子診断研究分野

(Department of Molecular Medicine, Molecular Medicine Unit, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
Anti-oncogene and oncogene	A-a-25, A-c-1
Apoptosis	A-a-9, 18
Bone and Chondrocyte	A-a-4, 7, 8, 9, 11, 15
Chernobyl	A-a-10, 14, 23, 29
Cytokine & Growth Factors	A-a-6, 19, 26
Endocrine Disease	A-a-5
Gene Therapy	A-a-2, 13, 20, 21, 22,
Radiation Research	A-a-10, 14, 16, 23, 29
Signal Transduction	A-a-3, 6, 8, 11, 12, 15, 16, 17, 28
Thyroid	A-a-13, 16, 17, 18, 23, 29, A-c-1
Others	A-a-1, 3, 12, 24, 27

原爆後障害医療研究施設 分子医療部門 分子治療研究分野

(Department of Hematology, Molecular Medicine Unit, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
AML	A-a-1, 2, 6, 8, 12, 16, 19, 22
AP-1	A-a-10
Aplastic Anemia	A-a-11, 13
ATL	A-a-5, 7, 10, 14, 15, 21, A-b-1
Bone Marrow Transplantation	A-a-19
CD34 <sup>+</sup> cell	A-a-3
Colony-forming unit megakaryocyte(CFU-meg)	A-a-17
EPO-R	A-a-2
Fas/CD95	A-a-7, 8
G-CSF	A-a-13
HTLV-1	A-a-14, A-b-1
IFN- $\alpha$	A-a-2
IFN regulatory factor-1(IRF-1)	A-a-18
Lactacystin	A-a-7
Mastocytosis	A-b-2
NF- $\kappa$ B	A-a-15
Non-Hodgkin's Lymphoma	A-a-4
8-hydroxy-2'-deoxyguanosine(8-OHdG)	A-a-9
p53	A-a-6, 12
Real time PCR	A-a-14

## 原爆後障害医療研究施設 分子医療部門 分子設計応用研究分野

(Department of Medical Gene Technology, Molecular Medicine Unit, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
Glycobiology	A-a-1, A-a-2, A-b-1
Glycoprotein	A-a-1, A-a-2, A-b-1
Molecular chaperone	
Stress protein	

## 原爆後障害医療研究施設 国際放射線保健部門

(Department of International Health and Radiation Research, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
Chernobyl and Semipalatinsk	A-c-1, B-c-1, B-c-2, D-c-3
Combined Pituitary Hormone Deficiency (CPHD)	A-a-1, B-b-1, B-b-2
International Health and Radiation Research	A-a-2, B-c-6, B-c-7
Molecular diagnosis	A-a-3, A-a-4

## 原爆後障害医療研究施設 資料収集保存部 資料調査室

(Biostatistics Section, Division of Scientific Data Registry, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
atomic bomb	A-a-1
General Health Questionnaire	A-a-1
psychological distress	A-a-1
psychological effect	A-a-1
survivor	A-a-1
HDL-cholesterol	A-a-2
senescence	A-a-2
life span	A-a-2

## 原爆後障害医療研究施設 資料収集保存部 生体材料保存室

(Tissue and Histopathology Section, Division of Scientific Data Registry, Atomic Bomb Disease Institute)

キ ー ワ ー ド	業 績 の 番 号
Atomic bomb	A-b-2, B-a-4, B-a-6, B-a-7
Autonomic nervous system	A-a-5
Chernobyl	B-a-3, B-a-9, B-a-10
Ets-1	A-a-1, A-b-1
Pathology	A-a-4, A-a-6
Radiation effect	A-a-3
Radiation-induced colitis	A-a-9, B-a-2, B-a-5
Stomach	A-a-5, A-b-3, B-a-1, B-a-8
colon	A-a-2, A-a-7

動物実験施設 (Laboratory Animal Center for Biomedical Research)

キ ー ワ ー ド	業 績 の 番 号
Viral diseases	A-a-1

内科学第一講座 (Internal Medicine I)

キ ー ワ ー ド	業 績 の 番 号
Adhesion Molecule	A-a-24
Amyloidosis	
Anti-neutrophil cytoplasmic antibody (ANCA)	A-a-1, 3, 4
Apoptosis	A-a-42, 43, 48, 51
Autoimmune Thyroid Disease	A-a-5, 42
Chernobyl	
Cyclooxygenase	A-a-39, 40, 52, 55
Cyokine	A-a-46, 49
Diabetes Mellitus (DM)	A-a-15, 16, 18, 28
Embryo Culture	
Free Radical	A-a-27, 50, 53 A-c-6
Gene Therapy	A-c-1
Glutamic Acid Decarboxylase (GAD)	A-a-23
Growth Factor	A-a-49, 57
Hepatic Regeneration	A-a-11
Hepatic B Virus	A-a-8, 9
Hepatic C Virus	A-a-13
Hepatocellular Carcinoma (HCC)	A-a-11, A-c-1
HTLV-1 Associated Myelopathy (HAM)	A-a-33, A-b-3, 4
Human T-cell Lymphotropic Virus-I (HTLV-I)	A-a-34, 38, 45
Insulin Receptor	A-a-30 A-c-4, 5 A-b-3, 4
Insulin gene	A-c-3
Insulin signaling	A-a-30 A-c-4, 5
Interferon	A-a-13
Iodine	A-a-7
Islet Cell Antibodies (ICA)	A-a-23, 28
Lambert-Eaton Myasthenic Syndrome	A-a-32
Leptin	A-a-5, 29
Leptin receptor	
Liver Cirrhosis (LC)	A-a-9
Malignant Exophthalmos	
Matrix metalloproteinase	A-a-46, 56
Metabolic Bone Disease	
Myasthenia Gravis	A-a-34

キ ー ワ ー ド	業 績 の 番 号
Multiple Risk Factor syndrome	
Neuroimmunology	A-a-31
Neurovirology	
Obesity	
Oncogene	
Osteoporosis	A-a-48, 53, 56
Paraneoplastic Neurological Syndrome	
Parathyroid	A-a-2
Parathyroid Hormone-Related Protein (PTH-rP)	
Pregnacy	
Prion Disease	A-a-59, 60
Radiation	A-a-7
Redox	A-a-27, 50, 53
Ret	
Rheumatic Disease	A-a-47, 54
Rheumatoid Arthritis (RA)	A-a-36, 37, 38, 39, 40, 41, 46, 50, 55, 57, 58 A-c-6
Sjoren's Syndrome	A-a-37, 44, 51
Superantigen	A-a-10
Thyroid Cancer	A-a-7
Thyrotxicosis	A-a-3, 4, 5
Tumor Marker	
Type 1 diabetes	A-a-16, 18, 19, 23, 26, 28, 31, A-b-1, 2
Type 2 diabetes	A-a-21, 25 A-c-2

内科学第二講座 (Internal Medicine II)

キ　ー　ワ　ー　ド	業　績　の　番　号
Allergy	A-a-35, 38, 40
Anticancer drug	A-a-24, 26, 27, 28
Apoptosis	A-a-32
Autoimmune hepatitis	A-a-55, 56
Bacterial infection	A-a-11, 13, 14, 19
Bowel motility	A-a-48, 49, 50
Bronchial asthma	A-a-35, 36, 38, 39, 40, 41
Bronchial hyperresponsiveness	A-a-40, 41
Bronchoalveolar lavage	A-a-34, 72, 74, 75
Cancer	A-a-21, 25, 26, 27, 28, 51
Cardiomyopathy	A-a-58, 59
Cell biology	A-a-23, 24
Clinical microbiology	A-a-6, 21
Chemotherapy	A-a-6, 14, 16, 18, 24, 26, 27, 28
Chronic obstructive pulmonary disease	
Cytokine	A-a-13, 19, 35, 36, 68, 69
Dialysis	A-a-62, 65
Diffuse panbronchiolitis	A-a-73
Drug delivery system	A-a-9, 36, A-b-1
Drug resistance	A-a-6, 8, 10, 20, 24
Glomerulonephritis	A-a-66, 69
Heat shock protein	A-a-30, 64
Helicobacter pylori	A-a-43, 44, 46
Hepatitis	
HTLV-1	A-a-12
Hospital infection	
Host defense	A-a-2, 7, 13, 33
IgA nephropathy	A-a-66
Immunology	A-a-2, 12, 13, 75
Inflammatory bowel disease	A-a-42, B-a-2
In situ hybridization	A-a-63, 68
Interstitial pneumonia	A-a-34
Lung cancer	A-a-25, 26, 27, 28, 71
Macrolides	A-a-24, 73
Microbial pathogenesis	A-a-4, 11, 29, 70
Mycosis	A-a-2, 3, 5, 7, 8, 10, 16, 20, 74
Nephrotic Syndrome	A-a-67
Oncogene	

キ ー ワ ー ド	業 績 の 番 号
Oncology	A-a-23, 25, 26, 27, 28
Pneumonia	A-a-6
Polymerase chain reaction	A-a-23
Primary biliary cirrhosis	A-a-52, 53, 54
Pulmonary disease	A-a-25, 27, 28, 31, 32
Pulmonary hypertension	A-a-1, 57
Radiation	A-a-27
Rapid diagnosis	
Renal failure	A-a-62, 64, 68
Respiratory infection	A-a-3, 5, 6, 12, 36, 39, 40

内科学第三講座 (Internal Medicine III)

キ ー ワ ー ド	業 績 の 番 号
Adrenal gland	
Ambulatory Blood Pressure	
Angina Pectoris	
Angiotensin II	A-a-7, A-a-8
Antiarrhythmic Drugs	
Antiplatelet Drugs	
Aortic Dissection	
Arrhythmia	
Arteriosclerosis	A-a-9, A-a-10
Atrial Fibrillation	A-a-2, A-a-15, A-a-20
Blood Pressure	
Body surface mapping	A-a-16, A-a-17, A-a-18
Calcium	A-a-4
Cardiac Hypertrophy	A-a-11, A-a-13
Catheter Ablation	A-b-1
Coronary angiography	
Dilated Cardiomyopathy	A-a-18
Echocardiography	A-a-2, A-a-15, A-a-23
Electrophysiological Study	A-b-3
Heart Failure	
Holter ECG	A-a-6
Hyperlipidemia	
Hypertension	A-a-11
Hypertrophic Cardiomyopathy	A-a-2
Late Potential	
MRI	
Myocardial Infarction	A-a-19
Myocardial Scintigram	
Myocarditis	A-b-2
Myocardium	A-a-3, A-a-5
Na-H Exchanger	
Nitric Oxide	
Pacemaker	A-a-1
Potassium Channel	
PTCA	A-a-21
PTHrP	
QT Prolongation	
Renal failure	



キ ー ワ ー ド	業 績 の 番 号
Rinin	
Romano-Ward Syndrome	
Salt Sensitive Rat	
Sick Sinus Syndrome	A-a-15
Stent	
Thromboembolism	
Transesophageal Echocardiography	
Ventricular Fibrillation	A-a-17, A-a-22
Ventricular Tachycardia	A-a-16, A-a-18
WPW Syndrome	

## 精神神経科学講座 (Neuropsychiatry)

キ ー ワ ー ド	業 績 の 番 号
affective disorder	A-a-1, A-a-2, B-a-6, B-a-8, B-b-2, B-b-11, B-b-12, B-b-13, B-d-1
atomic bomb survivors	B-a-2, B-c-11
antidepressants	A-a-1, A-a-2, B-a-6, B-a-8, B-a-9, B-c-9, B-d-1
anticipation	B-c-2
brain morphology	B-c-10
epidemiology, gene	B-d-2, B-d-4, B-d-3
genetics	B-c-2, B-d-2
ICD	
neurodevelopment	
prenatal stress	A-a-1, A-a-2, B-a-6, B-a-8, B-d-1
Quality of Life (QOL)	
receptor autoradiography	
schizophrenia	B-a-5, B-a-7, B-a-10, B-b-3
serotonin	
transporter	
twin	
WHO	A-c-1, B-a-1, B-a-3, B-b-1, B-b-4, B-c-7, B-d-4, B-d-3

小児科学講座 (Pediatrics)

キ ー ワ ー ド	業 績 の 番 号
endocrinology	A-a-9, 10, A-b-1, 2, 3, 4, 5, B-b-5, 6, B-d-3
genetics	A-a-11,14,17,B-a-2,3,7,B-b-12,13,14,15
glycosidation	A-a-15, 16
HIV	A-a-3, 8, B-b-1
infection	A-a-4, 5, 6, 7, 12, 18, B-b-2
immunodeficiency	A-a-13, B-d-1
immunology	A-a-2
neonatology	A-a-19, 20, 21, B-a-1, B-b-7, 8, 9, 10, 11, 18
nephrology	B-b-16
neurology	B-b-3, 4
Hematology	A-a-1, B-d-2
Gastroenterology	B-a-4, 5, 6
developmental psychology	B-b-17

外科学第一講座 (Surgery I)

キ ー ワ ー ド	業 績 の 番 号
carbohydrate antigen	A-a-5, 6, 7, 8, 9, 10, 14, 15 A-d-2
chemotherapy	A-a-2, 4
chest surgery	A-a-11 B-a-2, 7, 8 B-c-1 B-d-1
chromosome 20	A-a-12
colorectal cancer	A-a-2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15 A-b-1 A-d-1, 2
digestive surgery	A-a-2, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15 A-b-1 A-d-1, 2
endoscopic surgery	B-a-6
endothelial cell	A-a-3
flow cytometry	B-c-2, 3
fluorescence in situ hybridization (FISH)	A-a-12 B-c-5, 6, 7, 8
gastric cancer	B-c-7
gastroenterologic surgery	A-a-2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15
inflammatory bowel disease	B-a-1
liver disease	A-a-1 B-a-11
lung cancer	B-a-3, 4, 5, 8, 10
lung transplantation	A-a-3
nitric oxide (NO)	
pediatric surgery	
xenotransplantation	A-a-3

## 外科学第二講座 (Surgery II)

キ ー ワ ー ド	業 績 の 番 号
Transplantation	A-a14, A-a34, A-b2, A-b3, A-b4, A-b5
apoptosis	A-a33
biliary carcinogenesis	A-a1, A-a10, A-a47
biliary and pancreatic surgery	
bioartificial liver	A-a3, A-a17, A-a48, A-a50, A-b1
bone metastasis	
CEA mRNA	
drainage vein	
endoscopic surgery	
Hirsch sprung's disease	
gastric cancer	
intraductal papillary adenocarcinoma	
liver	A-a4, A-a8
liver metastasis	A-a22
liver surgery	
lymph node metastasis	
malignant lymphoma	
motility	A-a11, A-a23
neonatal surseery	
neuroblastoma	
Osteopontin	
pancreatitis	
pancreatobiliary maljunction	
pediatric oncology	
pediatric surgery	
PTHrP	
liposome	A-a2, A-a29
thyroid tumor	
tumor immunology	A-a24

整形外科学講座 (Orthopaedic Surgery)

キ ー ワ ー ド	業 績 の 番 号
Biomechanism	
Bone growth	
Bone metabolism	A-a6, 7
Chondrocyte	A-a1, 2, 4, 5
Elbow surgery	
Foot surgery	
Hip surgery	
Knee surgery	
Osteoarthritis	
Osteonecrosis	
Paediatric Orthopaedics	
Peripheral nerve	
prosthesis	
Rheumatoid Arthritis	A-a3
Shoulder surgery	
spine surgery	
tumor	

## 皮膚科学講座 (Dermatology)

キ　ー　ワ　ー　ド	業　績　の　番　号
atopic dermatitis	
bullous pemphigoid	
contact hypersensitivity	A-a-7
epidermal growth factor	
FcεR I	
fibroblast growth factor	
hyaluronic acid	A-a-3
hypertrophic scar	A-d-4
IFN-γ	
IGF-1	A-a-3
IL-1	A-a-8
IL-5	A-a-4
IL-8	
keloid	A-d-4
Langerhans cell	
macroride	A-a-2
malignant melanoma	
mixed connective tissue disease (MCTD)	
morphea	
mycosis fungoides	
nitric oxide, super oxide dismutase	A-a-1
photoaging	
photosensitive dermatoses	
porphyria	
psoriasis	A-a-5, A-a-6
sarcoidosis	
scleroderma	A-a-6
Sjögren's syndrome	A-b-1
SS/A, SS/B	
stem cell factor	A-a-5
substance P	A-a-2
TNFα	
vitamin D3	A-a-3
vitiligo	A-a-3

泌尿器科学講座 (Urology)

キ ー ワ ー ド	業 績 の 番 号
Adrenal tumor	A-a-8, 17
Androgen receptor	
Angiogenesis	A-a-10
Bladder cancer	
b-microseminoprotein (b-MSP)	
Fibroblast growth factor (FGF)	A-a-2
FISH	
Gap junction	A-a-15, 16
Graft rejection	
Hepatocyte growth factor (HGF)	
HTLV-I-associated myelopathy	
Kidney transplantation	A-a-19
Male infertility	
Nitric oxide	
Prostate cancer	
Prostate specific antigen (PSA)	A-a-12
Platelet-derived endothelial cell growth factor (PD-ECGF)	
Renal cell carcinoma (RCC)	A-a-7, 9, 18
Renal failure	A-a-5
Renal regeneration	
Signal transduction	
Thymidine phosphorylation	
Urinary tract cancer	A-a-14
Vascular endothelial growth factor (VEGF)	

## 眼科学講座 (Ophthalmology and Visual Sciences)

キ ー ワ ー ド	業 績 の 番 号
Diabetic retinopathy	A-a-6, A-a-9, B-c-6
Electron microscopy	A-a-1, A-a-4, A-a-6, A-a-7, A-a-9, A-b-3, A-b-4, A-b-5, A-b-6, A-b-9, A-b-10, A-b-11, B-a-12, B-a-15, B-a-16, B-c-6
Histochemistry	A-a-12, A-b-5, A-b-8
Immunohistochemistry	A-a-8, A-b-1, A-b-12
Microanalysis	A-a-1, A-b-3, A-b-6
Ocular anomaly	A-a-8, A-a-10, B-a-1, B-a-10
Ocular tumor	A-a-2, B-a-4, B-a-17, B-c-1, B-c-2, B-c-3
Pterygium	A-a-3, A-b-1, A-b-12
Retina	A-a-1, A-a-6, A-a-9, A-b-2, A-b-4, A-b-5, A-b-8, B-a-2, B-a-3, B-a-5, B-a-6, B-a-8, B-a-14, B-a-16, B-c-6
Retinal circulation	A-a-9, A-b-9, A-b-10, B-a-11, B-a-13
Retinal detachment	B-a-9
Retinal vasculature	A-a-8, A-a-9, A-b-10
Trace element	A-a-1, A-a-4, A-a-6, A-b-2, A-b-4, A-b-6, B-a-16, B-b-1
Vitamin	B-b-1
Vitreous surgery	A-b-7

## 放射線医学講座 (Radiology)

キ ー ワ ー ド	業 績 の 番 号
Angiography	B-a-1
Bone architecture	A-a-1, A-b-4, B-a-3, 5, B-b-1, 5, 10, 17
Cardiovascular imaging	A-a-4, 9, 11, B-a-15
Computed tomography	A-a-5, 9, 13, 14, A-b-1, B-a-6
Computer-aided diagnosis	A-a-2, B-a-2
Radiography	A-a-7, B-a-11, B-b-6, 12
Gastrointestinal radiology	A-a-5, 13, 14, B-a-14
Head and neck radiology	A-c-1, B-a-6, 12
Interventional radiology	A-a-5
Information technology	B-b-4
Thoracic imaging	A-a-2, A-b-1, B-a-2, B-a-11, B-b-7, 11, 15
Breast imaging	B-a-8
Musculoskeletal imaging	A-b-2, 3, B-a-4, B-a-13, B-b-3, 13, 14, B-c-1, B-d-2
Magnetic resonance imaging	A-a-10, 13, 14, A-b-1, 2, 3, A-c-1, B-a-4, 8, 10, 12, 15, B-b-3, B-c-1, B-d-2
Neuroradiology	A-a-10, 17, B-a-10, B-d-1
Nuclear medicine	A-a-8, 15, 18
Osteoporosis, Bone densitometry	A-a-1, 3, 6, B-a-3, B-a-3, 5, 9, B-b-1, 2, 5, 8, 10, 17
Radiologic-pathologic correlation	A-a-16, A-b-1
Radiation therapy	B-a-7, B-b-9, 16, B-d-1
Stereotactic radiosurgery	B-a-7, B-b-9, 16, B-d-1

## 産科婦人科学講座 (Obstetrics &amp; Gynecology)

キ　ー　ワ　ー　ド	業　績　の　番　号
Epidermal growth factor	A-a-1
Pulmonary hypoplasia	A-a-1, A-a-2
Inhibin	A-a-3
Preeclampsia	A-a-3
Genetics	A-a-4, A-a-5, B-a-23
Gestational diabetes mellitus	A-a-6, B-a-14
Endometriosis	B-a-1, B-a-3, B-a-6, B-a-7, B-a-16
Ectopic pregnancy	B-a-2, B-a-17, B-a-18
Hormone replacement therapy	B-a-4, B-a-5
Preterm birth	B-a-8
Uterine cervix	B-a-8
Cesarean section	A-a-7, B-a-9
Fetal diagnosis	B-a-10
Uterine rupture	A-a-7, B-a-9
Placenta	B-a-13
Insulin	B-a-15
Vulvar cancer	B-a-19
in vitro fertilization	B-a-20
Turner syndrome	B-a-21
squamous cell carcinoma	B-a-22
Eclampsia	B-a-24



## 麻酔学講座 (Anesthesiology)

キ ー ワ ー ド	業 績 の 番 号
anesthesia	B-b-1, B-b-3
anesthetics	A-a-1, A-a-5, A-a-6
ATP-sensitive potassium channel	A-a-6, B-a-1
Cardiovascular pharmacology	
catecholamine	A-a-5
chronically instrumented dog	A-a-6
circulatory pharmacology	
clonidine	A-a-2
coronary circulation	A-a-6
delayed neuronal death	
endothelium vasodilator	
hemodilution	A-a-7, A-a-8
hemodynamics	A-a-1, A-a-5
hyperbaric nitrogen	A-a-4, B-a-2
hypotension	A-a-7, A-a-8
hypothermia	A-c-1
inositol monophosphate	A-a-2
intensive care	A-a-1, B-a-3
ischemia-reperfusion	B-a-1
magnesium	
melatonin	
morphine	
myocardial contractility	
nitric oxide	
pain	B-b-2
phosphatidyl inositol	A-a-2
phospholipase A2	
pulmonary hypertension	
smooth muscle contraction	
sympathomimetics	
thoracic sympathectomy	
trachea	A-a-2

脳神経外科学講座 (Neurosurgery)

キ ー ワ ー ド	業 績 の 番 号
Applied Neurophysiology	B-a-8, 9, 10, 11, 12, B-c-8, B-d-6, 7, 9, 13, 14
Blood-Brain Barrier (BBB)	
Brain Tumor	A-a-3, 4, 5, B-a-1, B-c-1, 6, B-d-1, 4, 10
Cerebral Blood Flow	
Cerebral Ischemia	A-a-2, B-c-4
Cerebral Metabolism	B-d-3
Cerebral Vascular Disease	A-a-1, 6, B-a-2, B-c-2, 3, B-d-7, 8
Endothelin-1 mRNA	
Free Radical	
Gene Therapy	
Glioma Cell Culture	
Glutathione	
Intracranial Pressure	
Liposome	
Monitoring System	
Neurotrauma	B-a-5, 13
Radiosurgery	B-a-3, 4, 7, B-c-7
Skull Base Surgery	
Thrombolytic Therapy	

形成外科学講座 (Plastic and Reconstructive Surgery)

キ ー ワ ー ド	業 績 の 番 号
compromized wound	A-a-1, A-a-10
soft tissue tumor	A-a-2
craniofacial surgery	A-a-3, A-a-2, A-a-6
allografting	A-a-4
keloid	A-a-5
abnormal wound healing	A-a-1, A-a-5
bone healing	A-a-6
free flap	A-a-7
osteosynthesis	A-a-8, A-a-9
bicycle spoke injury	A-a-10
cytokine	A-a-4, A-a-5, A-a-6
growth factor	A-a-4, A-a-5, A-a-6
orthograftic surgery	A-a-8, A-a-9
molecular biology	A-a-4, A-a-5, A-a-6
tissue engineering	A-a-6

## 心臓血管外科学講座 (Cardiovascular Surgery)

キ ー ワ ー ド	業 績 の 番 号
abdominal aortic aneurysm	
acute arterial occlusion	
arterial reconstruction	
cardiac function	
cardiopulmonary bypass	
deep vein thrombosis	
microsurgery	B-b-10
mitral valve plasty	B-b-1, 9
pulmonary autograft	
stent graft	

## 臨床検査医学講座 (Laboratory Medicine)

キ ー ワ ー ド	業 績 の 番 号
Antimicrobiol chemotherapy	A-a-13, A-a-15, A-a-19
Apoptosis	A-a-4, A-a-6
Cinical Microbiology	A-a-21, A-a-22
Cytokine	A-a-12, A-a-18, A-a-20
A T L	A-a-2, A-a-5, A-a-8, A-a-11
Hospital infection	A-a-12, A-a-21
H T L V - 1	A-a-2, A-a-5, A-a-8
Infection and Immunology	A-a-12, A-a-14, A-a-20
Microbial Pathogenesis	A-a-12, A-a-14
oncogenesis	A-a-1, A-a-3, A-a-6, A-a-7, A-a-8, A-a-9, A-a-10, A-a-23, A-a-24, A-b-1, A-b-2
fungal infection	A-a-16, A-a-17, A-a-18, A-a-19, A-a-21
flowcytemetory	A-a-6, A-b-1
hematopoetic neoplasms	A-a-1, A-a-3, A-a-6, A-a-8, A-a-9, A-a-10, A-a-24, A-b-1, A-b-2

手術部 (Operative Unit)

キ ー ワ ー ド	業 績 の 番 号
anesthesia	A-a-3
Cardiovascular pharmacology	
chronically instrumented dog	
circulatory pharmacology	
clonidine	A-a-2, A-b-1
coronary circulation	
hypotension	
inositol monophosphate	
ischemia-reperfusion	A-b-4
oxidative stress	
pain	
pheochromocytoma	
phosphatidyl inositol	
pressure-volume relation	A-b-7
smooth muscle contraction	
sympathomimetics	
trachea	

救急部 (Emergency Medicine)

キ ー ワ ー ド	業 績 の 番 号
Acute medicine	

輸血部 (Blood Transfusion Service)

キ ー ワ ー ド	業 績 の 番 号
Transfusion	A-a-1, 3, 5, 7, B-a-2, B-c-1
Hematopoiesis	
Colony assay	A-a-2, 4
MDS	B-b
Leukemia	A-a-6, B-a-1, B-c-2

## 集中治療部 (Intensive Care Unit)

キ ー ワ ー ド	業 績 の 番 号
Anesthesia	A-a-2 B-a-2
Blood purification	
Coagulofibrinolysis	
Cytocains	
Intensive Care	
ischemia-reperfusion	B-a-1
Magunesium	
Nutrition	
respiratory care	B-a-3, B-a-4
Vascular biology	A-a-1

## 理学療法部 (Physio-Occupational Therapy)

キ ー ワ ー ド	業 績 の 番 号
bipolar hemiarthroplasty	B-b
osteonecrosis of femoral head	B-b
osteoarthritis of the hip	B-c
rotational acetabular osteotomy	B-a-1, 3
bone mineral density	B-a-2

## 腎疾患治療部 (Renal Care Unit)

キ ー ワ ー ド	業 績 の 番 号
Acute renal failure	B-b-3, B-b-6
Chronic renal failure	B-a-4, B-c-4, B-c-12
C A P D	A-a-3, B-c-1
Renal osteodystrophy	B-b-5
Hemodialysis	B-a-3, B-a-5, B-a-6, B-b-1, B-b-2, B-b-4, B-c-2, B-c-6, B-c-7, B-c-8, B-c-9, B-c-10, B-c-11
Apheresis	B-a-1
Renal transplantation	A-a-1, B-b-7, B-b-8, B-b-9, B-b-10, B-b-11
H D amyloidosis	B-b-2
Endotoxin	
Chronic nephritis	A-a-2, A-a-4, A-a-5, A-a-6, A-a-4, A-a-6, A-a-10, B-a-2, B-c-3, B-c-5
Diabetic nephropathy	
Collagen disease	
Renal tumor	A-a-7, A-a-8, A-a-9, B-a-7, B-a-8

病理部 (Department of Pathology)

キ ー ワ ー ド	業 績 の 番 号
Surgical pathology	A-a-1-10, B-a-1-4, 6-11
Pulmonary pathology	A-a-6, 9, 10, B-a-3, 4, 8, 11
Soft tissue pathology	B-a-1, 2
Uropathology	A-a-2, 7, B-a-10
Salivary gland pathology	
Molecular pathology	
Computer system in pathology	B-a-5

光学医療診療部 (Department of Endoscopy)

キ ー ワ ー ド	業 績 の 番 号
Inflammatory bowel disease (IBD)	A-a-7, B-a-3, B-b-2, B-d-5
Cancer	A-a-9, B-b-3
Crohn's disease	B-b-1, 6
Ulcerative colitis	A-a-10, B-b-4
Endoscopy	A-a-2, B-a-1, 2, B-b-4
Helicobacter pylori	A-a-1, 4, 8
Alimentary pharmacology	A-a-3, 4
Liver Diseases	A-a-5, 6

代謝疾患治療部 (Unit of Metabolism)

キ ー ワ ー ド	業 績 の 番 号
Glycogen storage disease	A-a-3
Insulin-dependent diabetes mellitus	A-a-1, 2, 6, 7, 8
Insulin secretion	A-a-9
Non-insulin dependent diabetes mellitus	A-a-5
Werner's syndrome	A-a-4

## 総合診療部 (Department of General Medicine)

キ ー ワ ー ド	業 績 の 番 号
adult T-cell leukemia	A-a-6, A-a-9, A-a-10
Anxiety Disorder	
apoptosis	A-a-6, A-a-9, A-a-10
atherosclerosis	
cardiac function	A-a-1, A-a-11, B-a-1
Family medicine	
Fas	A-a-6, A-a-9, A-a-10
general medicine	
HSP 47	A-a-3, A-a-5, A-a-13, B-b-8, B-d-2
HTLV-1	A-a-6, A-a-9, A-a-10
IgA nephropathy	A-a-8, A-b-1, B-d-1
lactacystin	A-a-6
Medical education	B-b-2
myocardial metabolism	A-a-7
myocardial scintigram	A-a-7, B-a-1

## 薬剤部 (Hospital Pharmacy)

キ ー ワ ー ド	業 績 の 番 号
Chemotherapy	A-a-1, -5
Drug delivery system	A-a-1, -4, -5, -6, -7
Drug absorption	A-a-4, -6, -7
Drug interaction	A-a-6
Eye	A-a-4, -6
Microdialysis	A-a-5
Pharmacokinetics	A-a-4, -5, -6, -7
Pharmacotherapy	A-a-2, -3
Pharmaceutical care	B-a-1
Therapeutic drug monitoring (TDM)	