

5. 研究のキーワード

解剖学第一講座

cytochrome	olfactory bulb
fasciculus retroflexus	red nucleus
Golgi method	red stingray
growth cone	salamander
interpeduncular nucleus	snake
habenula	striatum
horseradish peroxidase	triturus
hypoglossal nerve	

解剖学第二講座

Blood Vessel	Mongoloid
Bone	Muscle
Comparative anatomy	Origin of Japanese
Gross anatomy	Peripheral nerves
Human body	Physical anthropology
Human skeletal remains	Variation
Microevolution	

解剖学第三講座

ACTH receptor	hepatitis C virus (HCV)
apoptosis	immunohistochemistry
basic fibroblast growth factor	non-radioactive in situ hybridization
digoxigenin-labeled oligodeoxynucleotide	male germ cell-associated kinase (mak)
enzyme-labeled antibody method	Proliferating cell nuclear antigen (PCNA/Cyclin)
estrogen receptor	thymine-thymine dimerized DNA probe
fas	type I collagen
glucocorticoid receptor	vascular endothelial growth factor
glucocorticoid responsive element	

生理学第一講座

Adrenal cortex	Epinephrine
Adrenal medulla	Hippocampus
Amygdala	Methylprednisolone
Cisplatin	Norepinephrine
Cortisol	Platelet activating factor

生理学第二講座

Basal ganglia	Epilepsy
Electrophysiology	Ionic channel

生化学講座

actin	molecular evolution
actomyosin	muscle contraction
amino acid sequence	myosin
calcium binding proteins	post translational modification
cardiac muscle	skeletal muscle
DNA binding protein	smooth muscle
energy transduction	protein structure
methylation	

薬理学第一講座

antianginal agents	coronary blood flow
cardiovascular pharmacology	nitrovasodilators
conscious dogs	rate of rise in arterial pressure pulse
conductance and resistance vessels	oral vasodilators
coronary diameter	venous hemodynamics

薬理学第二講座

Acetylcholine	Intracellular signal transduction
γ -Aminobutyric acid (GABA)	Ischemic neural degeneration
Catecholamines	Nitric oxide
Cardiovascular pharmacology	Peptides
Central nervous system	Quantitative receptor autoradiography
Cytokines	Receptors
Endothelins	Release
Gastrointestine	Serotonin
Glia	Spontaneously hypertensive rat
Glutamic acid	<i>Xenopus</i> oocytes

病理学第一講座

Aging	DNA damage
Cell differentiation	Morphogenesis
Cell proliferation	Morphology
Congenital heart disease	Neuroendocrinology

病理学第二講座

Adrenal	IgA nephropathy
Adrenal cortex	Latent carcinoma
Cell organelle	Mesangial cell
Extracellular matrix	Neuroscience
Dehydrogenase	Peptide
Diagnostic cytopathology	Receptor autoradiography
Glomerulonephritis	Renal pathology
Growth factor	Surgical pathology
Hyperplasia	Zona glomerulosa

細菌学講座

AIDS	Islet cell antigens (ICAs)
Autoimmune disease	Milk-born infection
Chromosomal integration	Neurodegenerative disease
Creutzfeldt-Jakob disease	Oncogene
Gene targeted mouse	Prion protein
Glutamic acid decarboxylase (GAD)	Protein tyrosine kinase
Human Immunodeficiency virus type 1 (HIV-1)	Sjögren's syndrome
Human T-lymphotropic virus type 1 (HTLV-1)	Slow virus infection
Insertional mutagenesis	Virus Carrier
Insulin dependent Diabetes Mellitus (IDDM)	

衛生学講座

Adolescent growth	Environmental health
Cadmium	Environmental pollution
Cadmium nephropathy	Epidemiology
Cerebro-vascular diseases	Health education
Cognition of health	HTLV-1
Community health	Nutrition
Community health activity	Occupational Medicine
Communication of health related information	Renal tubular function

公衆衛生学講座

Health and Migration	Medicine and Welfare to the Aged
Human Ecology	Medicine at home
Industrial Health	Mental Health
International Health	Mental Stress
Island Ecosystem	Resource and Demography
Medical Informatics	Tropical Medicine
Urban Ecosystem	Vibration Disorder

医動物学講座

anergy	immunogenetics
antigen presenting cell (APC)	infection and immunity
antigen presentation	Langerhans cell
antigen processing	major histocompatibility complex (MHC)
apoptosis	melanocyte
clinical parasitology	parasitology
cytotoxic T lymphocyte (CTL)	super antigen
dendritic cell	T cell antigen recognition
gamma interferon (γ -IFN)	<i>Toxoplasma gondii</i>
Hogt-Koyanagi-Harada disease	toxoplasmosis

法医学講座

Blood group	Forensic science
Cause of death	Forensic serology
DNA profiling	Human identification
Electrophoresis	Immunohistochemistry
Forensic anthropology	Immunizing
Forensic autopsy	Medico-legal expert opinion
Forensic hemogenetics	Paternity testing
Forensic immunology	Polymerase chain reaction (PCR)
Forensic pathology	Postmortem examination

腫瘍医学講座

adult T cell leukemia	HTLV- I associated myelopathy (HAM)
cytotoxic T cell	HTLV- I
DNA diagnosis	metastasis
ganglioside	oncogene
gene expression	promoter
gene therapy	tumor immunology
glycosingolipid	tumor suppressor gene
glycosyltransferase	Tcell receptor

原爆後障害医療研究施設 異常代謝部門

Active oxygen	Expression
Antioxidant	Gene structure
Apoptosis	γ -glutamylcysteine synthetase (γ -GCS)
Drug resistance	Glutathione
Membrane transport	Pyruvate dehydrogenase complex
Oxidant	Regulation of gene expression
2-Oxoglutarate dehydrogenase complex	Structure-function relationship

原爆後障害医療研究施設 放射線生物物理学部門

A-T cells	Radiation
Cell Transformation	Radiation Biology
Hormesis	Radiation Physics
Hyperthermia	Radiosensitivity
Low Dose Radiation	Scid cells
Oncogenic Transformation	Thermosensitivity

原爆後障害医療研究施設 病態生理学部門

Acetylcholine	Osteoporosis
Autonomic nervous system	PTHrP
Bone	Radiation effect
Catecholamine	Radiation- induced tumor
Chernobyl	Smooth muscle cell
Dopamine	Spontaneously hypertensive rat
Femoral head necrosis	Stomach
G. I. tracts pathology	Thyroid
Late effect of Atomic bomb	Ulcer
Motility	

原爆後障害医療研究施設 後障害治療部門

Angioimmunoblastic lymphadenopathy (AILD)	CLL
ALL	CML
AML	Colony formation
Aplastic anemia	Cytogenetics
Apoptosis	Cytokine
ATL	DNA aneupoidy
Atomic bomb survivor	Essential thrombocythemia
BCR/ABL	Flow cytometry
Bone marrow transplantation (BMT)	G-CSF
Chemotherapy	Hematopoiesis
Hodgkin's disease	Myelodysplastic syndrome (MDS)
HTLV- I	Non Hodgkin's lymphoma
Hypoplastic leukemia	PCR
IL-2	Oncogene
IL-2R	Peripheral blood stem cell transplantation (PBSCT)
IL-6	Polycythemia vera
Immunocytochemistry	Pre-ATL
ITP	Secondary leukemia
Ki-67	Surface marker
Multiple myeloma	

原爆後障害医療研究施設 先天異常部門

chromosome abnormality	genetic effect by radiation
chromosome microdissection	genomic imprinting
congenital anomaly syndrome	human genetics
DNA repair	human genome analysis
drosophila genetics	imprinting mutation
environmental mutagen	imprinting maturation
fluorescence in situ hybridization	positional cloning
gene defect	radiation
gene isolation	somatic mutation
gene mapping	space radiation
gene mutation	tumor suppressor gene
genetic effect by magnetic field	

原爆後障害医療研究施設 発症予防部門

Animal experiments	Gene therapy
Anti-oncogene	Liver
Bone	Metabolism
Cell	Oncogene
Chernobyl	Parathyroid hormone-related pertide (PTHrP)
Chondrocyte	Pituitary
Congenital erythropoietic prophyria (CEP)	Radiation
Endocrinology	Thyroid

原爆被災学術資料センター 資料調査部

Ageing	Life style
Atomic Bomb Survivors	Medical examination
Biological fluctuation	Mortality
Biostatistics	Occupational exposure
Cause of death	Public health
Epidemiology	Radiation dose
Health screening	Statistical Inference
Homeostasis	

原爆被災学術資料センター 病理部

Ageing	Degenerative disease of central nervous system
Alzheimer's disease	Electrone microscope
Atomic Bomb Disaster	Neuropathology
Atomic disease	Pathology
Brain	Senescence Accelerated Mouse (SAM)
Brain tumors	Spinal cord

動物実験施設

Anatomy	Laboraory animals
Brain	Transgenic animals
Experimental animals	Viral diseases
immunohistochemistry	Virus
Neuroanatomy	Zoonoses

内科学第一講座

Adhesion Molecule	Malignant Exophthalmos
Atomic Bomb	Metabolic Bone Disease
Autoimmune Thyroid Disease	Mutation
Carcinogenesis	Myasthenia Gravis
Chernobyl	Neuroimmunology
Cytokine	Neuronal Injury
Diabetes Mellitus (DM)	Oncogene
Embryo Culture	Osteoporosis
Glia	Paraneoplastic Neurological Syndrome
Glutamic Acid Decarboxylase (GAD)	Parathyroid
Growth Factor	Parathyroid Hormone
Hepatitis B Virus	Parathyroid Hormone-related Protein (PTH-rP)
Hepatitis C Virus	Pregnancy
Hepatocellular Carcinoma (HCC)	Radiation
Hepatic Regeneration	Rheumatoid Arthritis (RA)
HTLV-I associated Myelopathy (HAM)	Schizophrenia
Human T-cell Lymphotropic Virus-I (HTLV-I)	Signal Transduction
Insulin Dependent Diabetes Mellitus (IDDM)	Sjögren Syndrome
Insulin Receptor	Thyroid Cancer
Interferon	Thyroid Peroxidase (TPO)
Islet Cell Antibodies (ICA)	TSH Receptor
Liver Cirrhosis (LC)	Viral Hepatitis
Malformation	Vitamin D

内科学第二講座

Bronchial asthma	IgA nephritis
Chronic airway disease	Immunology
Chronic nephritis	Interstitial lung disease
Colon cancer	Nephrotic syndrome
Crohn's disease	Pneumonia
Cytokine	Polymerase chain reaction
Diffuse panbronchiolitis	Rapid diagnosis
Hepatitis	Respiratory failure
Hepatocellular carcinoma	Tuberculosis

内科学第三講座

Aldosterone	Echo cardiography
Aneurysm	ECG (Electrocardiograph)
Angina pectoris	Heart failure
Angiotensin	Hypertension
ANP (atrial natriuretic peptide)	insulin
Aortic disease	Ischemic heart disease
Arrhythmia	Kidney
Arteriosclerosis	N.O
Atrioventricular block	Myocardial infarction
Atrial arrhythmia	Prostaglandin
Atrial fibrillation	PTCA (Percutaneous transluminal coronary angioplasty)
Cardiology	Renin
Catheter ablation	Romano Ward syndrome
Catecholamine	Salt sensitive
Cardiomyopathy	Sudden death
Cholesterol	Sick Sinus syndrome
Circulation	Syncope
Congenital heart disease	Valvular heart disease
Coronary	Ventricular arrhythmia
Coronary Intervention	WPW syndrome

精神神経科学講座

amine transporters	homovanillic acid
antidepressants	hydroxy indole acetic acid
atomic bomb survivor	international
autism	neuroleptics
affective disorder	neuropathology
brain imaging	schizophrenia
clinical response	senile depression
drug therapy	serotonin
dementia	social psychiatry
dopamine	twin
dopamine receptor epidemiology	psychopathology
epilepsy	psychopharmacology
genetics	vulnerability
genetic markers	WHO

小児科学講座

allergy	neonatology
endocrinology	neurology
genetics	phagocyte
HTLV-I	Vitamin K
Leukemia	

外科学第一講座

biological behavior by cancer associated gene aberration	malignant potential judgement by chromosomal numerical and structural aberration
blood group related antigen breast cancer	
carbohydrate antigen	mediastinal tumor
clinical pathology	oncology
colorectal surgery	organ transplantation
flow cytometry	pediatric surgery
gastric cancer	prenatal diagnosis and management
gastric surgery	pulmonary function
ischemia-reperfusion injury	thoracic surgery
limited and extensive operation for carcinomas	thoracic surgery of infant and children
lung cancer	tracheobronchoplasty
lung transplantation	wound healing

外科学第二講座

alanyl-glutamine	liver cirrhosis
bile acid	liver regeneration
bile duct carcinoma	liver transplantation
bioartificial liver	metastatic liver tumor
breast neoplasms	migrating motor complex (MMC)
cancer line	motilin
CCK	motility
cell line	N-nitrosobis (2-oxopropyl) amine (BOP)
cervical lymphnodes dissection	Na ⁺ , K ⁺ ATPase
chemosensitivity	natural antibody
colorectal cancer	pancreatic cancer
enterohepatic circulation	parathyroid hormone related protein
gallbladder carcinoma	point mutation
ganglioside	primary sclerosing pancreatitis
hamster	pylorus preserving gastrectomy (PPG)
hepatectomy	radiosensitivity
hepatocellular transplantation	regional targeting chemotherapy
hepatocyte	sensitivity test for cancer chemotherapy
hepatocyte culture	smg p 21
hepatocyte labeling	super oxide dismutase (SOD)
hepatoma	T cell
ICG Bmax	thyroid neoplasms
intrahepatic bile duct carcinoma	tolerance
K-ras	total bile acid
K-rev 1	UW solution
laparoscopic surgery	

整形外科学講座

Biomechanics	Hip surgery
Biomechanism	Knee surgery
Bone biophysiology	Limb salvage surgery
Bone circulation	Malignant bone and soft tissue tumors
Bone growth	Mapping to the anterior horn cell
Bone metabolism	Osteonecrosis of the femoral head
Bone metabolism and blood vessels	Paediatric Orthopaedics
Carpal bone	Peripheral nerve
Elbow surgery	Reconstruction after peripheral nerve injury
External fixation	Shoulder surgery
Foot surgery	Spine surgery
Gait analysis	Spontaneous hypertensive rat (S. H. R)
Hand surgery	Sports Injury

皮膚科学講座

actinic keratosis	human papilloma virus
adhesion molecule	immunohistopathology
antifungal drug	in situ hybridization
atopic dermatitis	Langerhans cell
CD23	mite allergy
CD40-CD40L	oncogene
cross-link	ozone
cytokine	patch test
dermatomycosis	photocarcinogenesis
dermatophytosis	(6-4) photoproduct
drug allergy	photosensitivity disease
electron microscopy	polychlorinated biphenyl (PCB)
eosinophil	porphyria
experimental porphyria	PUVA therapy
Fc ϵ R1	pyrimidine dimer
flow cytometry	skin cancer
food allergy	squamous cell carcinoma
Griseofulvin	urticaria
hexachlorobenzen	UVB
high pressure liquid chromatography (HPLC)	Yusho disease (油症)

泌尿器科学講座

Adrenocortical tumor	Kidney transplantation
Androgen receptor	Male infertility
Bacillus Calmette Guerin (BCG)	Nitric oxide
β -microseminoprotein	Pheochromocytoma
Cell-cell communication	Prostatic carcinoma
Compensatory renal growth factor	Renal cell carcinoma
Graft rejection	Renal failure
Hepatocyto growth factor	Renal pelvic tumor
Immune tolerance	Ureter tumor
intra-arterial chemotherapy	

眼科学講座

Calmodulin	Kidney transplantation
Cell biology	Oxidative stress
Copper deficiency	Photoreceptor inner segment
Cytochrome oxidase	Proliferative vitreoretinopathy
Demyelination	Trace elements
Diabetes mellitus	Tumor
Diabetic retinopathy	Retina
Electron microscopy	Retinal pigment epithelial cell
Growth factor	Retinoblastoma
Histochemistry	Vitamin
Immunohistochemistry	Zinc deficiency

耳鼻咽喉科学講座

Equilibrium	Nasal allergy
Facial nerve	Sex hormones
Inner ear pathophysiology	

放射線医学講座

Angiography	Ischemic heart disease
Aortic aneurysm	Lung cancer
Aortic dissection	Musculoskeletal radiology
Atelectasis	Magnetic resonance imaging
Bone marrow disorders	Nuclear medicine
Bone mineral density	Osteoporosis
Bone tumors	Quantitative computed tomography
Bone architecture	Percutaneous angioplasty
Cardiovascular disorders	Radiological-pathological correlation
Computed tomography	Radiation therapy
Contrast media	Radiosurgery
Conventional radiography	Takayasu arteritis
Dual X-ray absorptiometry	Transcatheter embolization
Hepatocellular carcinoma	Ultrasonography
Interventional radiology	

産科婦人科学講座

Gynecologic oncology	Climacteric disturbance
Gynecologic pathology	Male infertility
Uterine cancer	Sperm survival test
Ovarian cancer	Reproductive immunology
Vulval cancer	Recurrent abortion
Fertility and sterility	Perinatology
Reproductive endocrinology	Perinatal ultrasonography
Reproductive surgery	Fetal diagnosis and therapy
Endometriosis	Fetal malformation
Ectopic pregnancy	Perinatal endocrinology
IVF-ET	Diabetic pregnancy
Gn-RH analogue and uterine myoma	Perinatal genetics
Osteoporosis	

麻酔学講座

Arrhythmia	Intensive care
Anesthesia	Ischemia
Anesthetics	Liver ischemia-reperfusion
Cardiovascular system	Magnesium
Catecholamines	Myocardial blood flow
Causalgia	Myocardial ischemia
Cerebral blood flow	Neutrophils
Circulation	Pain clinic
Coagulofibrinolysis	Phosphatidylinositol turnover
Critical illness	Phospholipase A ₂
Cytokines	Prostacycline
Heart	Prostaglandin E ₂
Heparin	Superoxide
Hepatic veins	

脳神経外科学講座

Applied Neurophysiology	Glioma Cell Culture
Blood-Brain Barrier (BBB)	Glutathione
Brain Tumor	Intracranial Pressure
Cerebral Blood Flow	Liposome
Cerebral Ischemia	Monitoring System
Cerebral Metabolism	Neurotrauma
Cerebral Vascular Disease	Radiosurgery
Endothelin-1 mRNA	Skull Base Surgery
Free Radical	Thrombolytic Therapy
Gene Therapy	

形成外科学講座

Burn	Orthognatic surgery
Cleft lip and palate	Developmental jaw surgery
Cranio-maxillo-facial surgery	Microcirculation
Microsurgery	Bone substitute
Wound healing	Membranous bone grafting
Growth factor	Cartilage graft
Allograft	Hand surgery
Zenograft	Congenital malformation
Skin graft	Tumor of the skin
Skin flap	Ulcer of the skin
Tissue expansion	Hypertrophic scar and Keloid
Free tissue transplantation	Photogrammetry
Skull base surgery	

臨床検査医学講座

Antimicrobial chemotherapy	Microbial Pathogenesis
Cardiovascular pathology	Neoplasia and Tumor-like lesion
Clinical Microbiology	Nephropathology
Cytopathology	Pediatric pathology
Electron microscopy	Pulmonary pathology
Hospital Infection	Soft tissue pathology
Immunopathology	Surgical Pathology
Infectious Diseases	

心臓血管外科学講座

acute arterial occlusion	myocardial protection
aortic dissection	myoglobinemia
autologous blood transfusion	myonephropathic-metabolic syndrome
cardiac transplantation	posttransfusion hepatitis
cardiopulmonary bypass	profound hypothermia
coronary artery surgery	reperfusion injury
extra-anatomical bypass	retrograde coronary perfusion
homograft aortic valve prosthesis	selective cerebral perfusion
low density lipoprotein apheresis	vascular anastomosis
low output syndrome	working heart preparation

手術部

anesthetics	phosphatidylinositol
bronchospasm	super oxide
catecholamine	leukocyte

救急部

Acute medicine	ICG Bmax
Cardio-Pulmonary Resuscitation	Ruptured hepatoma
Hepatectomy	

放射線部

Angiography	Ischemic heart disease
Aortic aneurysm	Lung cancer
Aortic dissection	Musculoskeletal radiology
Atelectasis	Magnetic resonance imaging
Bone marrow disorders	Nuclear medicine
Bone mineral density	Osteoporosis
Bone tumors	Quantitative computed tomography
Bone architecture	Percutaneous angioplasty
Cardiovascular disorders	Radiological-pathological correlation
Computed tomography	Radiation therapy
Contrast media	Radiosurgery
Conventional radiography	Takayasu's arteritis
Dual X-ray absorptiometry	Transcatheter embolization
Hepatocellular carcinoma	Ultrasonography
Interventional radiology	

輸血部

adult T-cell leukemia (ATL)	flow cytometry
blood-borne virus	human T-cell leukemia virus type- I (HTLV- I)
blood transfusion	

集中治療部

Intensive care	Magnesium
Coagulofibrinolysis	Nitric oxide
Cytokines	Nutrition
Blood purification	Renal function

理学療法部

Cartilage tissue	Growth factor
chondrocyte	Rheumatoid arthritis
cytokine	

腎疾患治療部

Acute renal failure	Hemodialysis
Chronic renal failure	Apheresis
Blood purification	Renal transplantation

薬剤部

amino acid sequence	lipiodol
brain	microdialysis
carcinoma	mutagenicity
drug interaction	myosin heavy chain
drug resistance	nitrofurans
high performance liquid chromatography (HPLC)	pharmacokinetics
intraarterial chemotherapy	therapeutic drug monitoring (TDM)
intravenous hyperalimentation	