5. Details and Areas of Research of Faculty Members at Graduate School of Biomedical Sciences

Doctoral Courses [Four years (Department of Medical and Dental Sciences, Infection Research, Life Sciences and Radiation Research,

Doctoral Courses		f Medical and Dental Sciences, Infection Research, Life Sciences and Radiation Research, and Advanced Preventive Medical Sciences)
Areas of Resea		dical and Dental Sciences
_	e in the "Professor, etc."	column indicates the planned retirement at the end of March 2027.
Area of Research	Professor, etc.	Details of main research work
	TAKAMURA Keiko	 Microstructural analysis of bone tissue 3D structural analysis and finite element analysis of CT images of bones
Macroscopic Anatomy	(Professor)	Research into functional adaptation of motor organs from the perspective of skeletal microevolution among Japanese people
1 ,	ENDO Daisuke (Senior Assistant Professor)	Research on human clinical anatomy
	<u>'</u>	S Anthropological and population genetic research into skeletal transformation in archeological remains excavated in western Japan
Histology and Cell	AKAZAWA Yuko (Professor)	 AI-assisted fibrosis analysis and spatial prolifing to predict patient outcome Mitochondiral dysfunction, ER stress, and DNA damage response in gastroenterology and hepatology diseases
Biology	SHIBATA Yasuaki	Epigenetic regulation of germ cell differentiation
	(Associate Professor)	Role of Wnt/b-catenin signaling-related molecules on juvenile development and poor prognosis of hepatocellular carcinoma
0.14 / 1	OMANADA I : I :	① Dental anthropological study of the ancient Japanese
Oral Anatomy and Dental Anthropology	OYAMADA Joichi (Associate Professor)	Dental anthropological study of the ancient Chinese Dental pathological study of the ancient people
Deniar i manopology	(100001010110100001)	Anatomical study of head and neck
Skeletal Development		① Cellular dynamics of bone and tooth stem cells
and Regenerative	MATSUSHITA Yuki	2 The mechanism of bone regeneration based on the skeletal stem cells
Biology	(Professor)	③ Cancer and skeletal stem cells
		 ① Discovery of novel biological sciences by the interdisciplinary approach ① Elucidation of the pathophysiology of kidney diseases and development of treatment methods
Physiology of Visceral	INOUE Tsuyoshi	2 Internation of the pathygistology of relaty diseases and development of treatment includes 2 Anti-inflammatory and organ protection mechanisms through the nervous-immune systems
Function and Body Fluid	(Professor)	③ Atherosclerosis progression mechanism
Fluid		Mechanisms of hypertension development
Biochemistry		
-		① Development of novel immuo cell therapy for cancer patients
	HALD I II.	② Development of novel gene therapy for cancer patients
Oncology	IKEDA Hiroaki (Professor)	3 Translational research of novel immuno-therapy for cancer patients
	(1 folessor)	Development of cancer immunotherapy that overcomes tumor heterogeneity
		Research into T cell functionality
		① Oncology and drug development based on molecular and quantum medical science
Molecular and Genomic	MIZUTA Satoshi	② Optimization of radiotherapy and radioprotection based on molecular and quantum medical science and radiation biology
Biomedicine	(Assistant Professor) OTAKI Hiroki	
	(Assistant Professor)	3 Biochemistry and molecular epidemiology on environmental stress biomarkers based on molecular and quantum medical science
		Biochemistry and molecular epidemiology on disease biomarkers based on molecular and quantum medical science
o let IN : I	NAKAMURA Wataru	① Circadian regulation of Physiological Functions
Oral Chrono-Physiology	(Professor)	Neural mechanism in the Suprachiasmatic nucleus; internal circadian clock Age related decline in physiological rhythms
	ARUGA Jun	Molecular function and physiological role of synapse organizer proteins
	(Professor)	
Medical Pharmacology	HATAYAMA Minoru (Senior Assistant Professor) MATSUNAGA Hayato	② Function and pathophysiology of blood-brain-barrier
		3 Analysis of pathological conditions and development of therapeutic strategies in neurological disorders
	(Senior Assistant Professor)	Wiring mechanism of neural circuit and its regulation by diffuse modulatory system
	TSUKUBA Takayuki (Professor)	① Functions and pathological condition of endo-lysosomal protease
Dental Pharmacology		② Molecular biological research into endosome and lysosome systems
		 3 Cellular biological research into osteoclast-induced bone resorption mechanisms 4 Research into protease in bacteria pathogenic in gum disease
		Pathobiological analysis for carcinogenesis and progression of hepato-pancreato-biliary cancer and development of new therapeutic drug and
	OKANO Shinji	2 Identification of tumor-agonistic dysbiosis of oral and gut microbiota in carcinogenesis and progression of cancer and elucidation of the
		Pathological assessment of rejection of composite transplantation and elucidation of the mechanism
		Athobiological analysis of medication-related osteonecrosis of the jaw Pathobiological analysis of cancer immunotherapy and development of new therapeutic drug and biologics
Pathology	(Professor) PARK Seongjoon	© Elucidation of western medical mechanism of Kampo medicine treatment effects in cancer-burden patients
	(Senior Assistant Professor)	Research on novel longevity mechanisms and anti-aging factors in energy metabolic pathways
		Searching for longevity factors by applying lipid metabolism regulation specific to calorie restriction
		Development of novel therapeutic targets for fatty liver disease focusing on immunometabolism
		Control of metabolic diseases by sex-specific lipid metabolic pathways Standardization of pathological diagnosis using digital technology
	FUKUOKA Junya	Standardization of pathological diagnosis using digital technology Pathological examination of interstitial lung diseases
Pathology Informatics	(Professor)	3 Image analysis using artificial intelligence
		Artificial intelligence applied to pathologycal diagnoses
Onel Dath -1	KATASE Naoki	① Head and Neck Cancer Control via Medium-Molecular-Weight Drug Development Targeting DKK3
Oral Pathology	(Associate Professor)	Hisopathological study of oral lesions for pathological diagnosis The role of Wnt signaling in bone homeostasis
		Development of low-elasticity, highly corrosion-resistant titanium alloy for bone replacement material
Dental and Biomedical	WATANABE Ikuya	② Optical characteristics of all-ceramic repair porcelain
Materials Science	(Professor)	③ Cellular suitability evaluation of biomaterials for dental or biological implant
	(2.10163501)	Abrasion resistance evaluation of metallic biomaterial Controlled drug-release system for dental materials
		Controlled drug-release system for dental materials Differentiation, proliferation and tumorigenesis of mesenchymal stem cells
Molecular Tumor	ITO Kosei	② Functional analysis of oncogenes and anti-oncogenes using gene targeted mice
Biology	(Professor)	③ Molecular analysis of tumor metastasis using gene targeted mice
		① Forensic pathology
Forensic Pathology and	IKEMATSU Kazuya	② Child abuse and neglect
Science	(Professor)	 ③ Forensic molecular pathology ④ Forensic genetics
		S Metabolic Autopsy
	SATO Izumi	① Clinical epidemiological study using a large-scale medical database
Clinical Epidemiology	(Professor)	② Research of pharmacoepidemiology using a large-scale medical database
	<u> </u>	

Area of Research	Professor, etc.	Π	Details of main research work
	[OHSAWA Kazutaka]	1	Research of infectious desease in laboratory animals
Comparative Medicine	(Professor)		Research of human infectious diseases from laboratory animals
		_	Research of infection prevention of laboratory animals Elucidation of the mechanisms of prion disease development
Biomedical Models	KOBAYASHI Atsushi		Establishment of the animal models for spontaneous prior disease
	(Professor)		Elucidation of the common mechanisms of formation and transmission of misfolded proteins
			Molecular analysis of genomic imprinting
Functional Genomics	KISHINO Tatsuya (Associate Professor)		Clarification of establishment of epigenetics in early embryos and neurons
	(Associate Professor)		Production and analysis of model mice of epigenetics diseases Functional analysis of responsible genes of diseases with mental retardation
		(4)	Tunctional analysis of Tesponsible genes of diseases with method relational
Forensic Dental Science			
	VADOWAYI T	1	Molecular and biological research on the mechanisms of progression and persistence of inflammatory diseases
Frontier Oral Science	KADOWAKI Tomoko (Professor)	2	Analyses and regulation of causative inflammatory factors
	(Trotessor)	3	Study on the maintenance and disorder of homeostasis system, focusing on membrane traffic
			The cohort study on periodontal disease and arterial sclerosis, diabetes and other systemic health
Oral Health	IRIE Koichiro		Clinical study of perioperative oral management
	(Professor)		The study of medication-Related Osteonecrosis of the jaw Community oral health activities and their evaluation
		_	Research on the mechanism of macular disease and its new treatment
		_	Research on the anatomy and function of the vitreous body
Ophthalmology and	OISHI Akio	_	Basic and clinical research on retinal and choroidal circulation
Visual Sciences	(Professor)		Development of new vitreoretinal surgery methods
		_	Clinical research on the treatment of diabetic retinopathy/macular edema Basic and clinical research on exfoliation glaucoma
		_	Epidemiological research and treatment on HTLV-1 associated uveitis
		1	Development of the innovative treatment for the radiation induced vocal fold scar in head and neck cancer patients
Otolaryngology - Head	KUMAI Yoshihiko		Development of the innovative treatment for the aspiration caused by sarcopenia in elder patients
and Neck Surgery	(Professor)		Elucidation of the pathophysiology of aspiration associated with reconstruction surgery of head and neck cancer Analysis of the expression of the 53BP1 in meso-pharyngeal cancer patients
,	,	(5)	Proto-oncogene mutations in middle ear cholesteatoma contribute to its pathogenesis
		_	Development of an new screening system for newborn hearing-impaired children
			Technological development of skull base surgery Development of support system for brain tumor surgery
Neurosurgery	MATSUO Takayuki		Research into neuroendoscopic surgery
	(Professor)		Research into radiobiological effect for brain tumor after stereotactic irradiation
		_	Analysis of mechanism in blood brain barrier
Anesthesiology and	HADA T		Pathology of acute heart failure and its control
Intensive Care	HARA Tetsuya (Professor)		Control of molecular pathology in ischemia/reperfusion injury Intestinal pathology of septic shock
Medicine	(Trotessor)		Neural mechanism of chronic pain and its control
			Research into valvuloplasty
		2	Research into video-assisted minimally invasive cardiac surgery
C4:	MIURA Takashi		Research into microscopic bypass surgery with permanent graft patency
Cardiovascular Surgery	(Professor)	_	Robotic surgery Research into aortic root anatomy in patients with aortic regurgitation using 4D-CT
			Research into the surgical anatomy of mitral valve complex in hypertrophic obstructive cardiomyopathy
		7	Research into surgery for secondary tricuspid regurgitation due to leaflet tethering
			Research into molecular biology of lung, gastrointestinal, thyroid and breast cancer Research into environmental factors and genetic mutations in lung, gastrointestinal, thyroid, and breast cancer
			Research into environmental factors and genetic initiations in lung, gastrointestinal, thyroid, and ofcast cancer Research into novel Therapeutic Methods for Intractable Diseases of the Respiratory and Gastrointestinal Tracts
	MATCH MOTO W.		Research into respiratory function preserving surgery and reconstructive surgery
Surgical Oncology	MATSUMOTO Keitaro (Professor)		Research into lung transplantation and organ preservation
			Research into regenerative medicine in the respiratory and gastrointestinal tracts Development of new medical devices by medical-engineering
			Research into perioperative infection
			Research into minimally invasive surgery and automated robotic surgery
		1	Research into digestive organ transplantation (liver, pancreas, islets, small bowel, etc.)
			Research into digestive organ regenerative medicine (digestive tract, liver, pancreas, islets, etc.)
Digestive Surgery and	EGUCHI Susumu		Research into digestive organ cancer (digestive tract, liver, pancreas, biliary tract) Research into laparoscopic and robot and AI surgery
Transplantology	(Professor)		Research into hyroid and breast surgery and cancer
		_	Research into development of new strategy for pediatric surgery
		7	Research into immunotherapy for malignant tumors and organ transplantation
			Research into biomarkers for early diagnosis of antibody-related rejection after kidney transplantation
Urology	IMAMURA Ryoichi		Research into the efficacy of the new generation antioxidants for interstitial fibrosis after kidney transplantation Interaction between regulatory T cells and natural killer cells in microenvironment of renal cell carcinoma
0.01053	(Professor)		Elucidation of the pathological significance of the Hippo pathway in bladder cancer
			Primary Aldosteronism : Research into Predicting Hypertension Outcomes Following Adrenalectomy
		_	Research into Placental and Fetal Functions
			Research into Clinical Significance of Perinatal Stem Cell in Obstetrics and Gynecology
Obstetrics and	MIURA Kiyonori	_	Research into Mother-to-Child Infections Research into Reproductive Medicine
Gynecology	(Professor)		Research into Gynecologic Oncology
			Research into Women's Healthcare
		_	Research into Laparoscopic and Robot Surgery in Obstetrics and Gynecology
			Research on bone microstructure using high resolution peripheral quantitative CT (HR-pQCT)
			Research on osteoporosis Research on rheumatoid arthritis
	OSAKI Makoto	I -	Research on sports injuries
Orthopaedic Surgery	(Professor)		Research on joint implants
		6	Joint dynamics analysis
			Biofilm research
		(8)	Epidemiological research on orthopedic diseases

Area of Research	Professor, etc.	Details of main research work
Area of Research	Floressor, etc.	Details of main research work Research into reconstructive surgery
		② Research into microsurgical research and clinical application
Plastic and	KASHIYAMA Kazuya	③ Basic and clinical research of keloids in wound
Reconstructive Surgery	(Professor)	Development of new operating methods in the hand surgery
		Research into the application of adipose tissue derived stem cells in the reconstructive surgery
		6 Application of amniotic membrane and placenta-derived stem cells for tissue repair
		① Reasearch about the achievements and limitations of traditional psychiatry
Neuropsychiatry	KUMAZAKI Hirokazu	② Research about the current state of the art and challenges of the latest robotic and avatar technologies ③ Research about the current state of artificial intelligence technology and challenges in its application to psychiatric medicine
reuropsychiau y	(Professor)	Research about the current state of artificial intelligence technology and chancings in its application to psychiatric incurrent Research on the use of tele-operated medicine to improve psychiatric services
		Research about the consciousness and sensory trait for psychiatric disorders
		Research on skin diseases and skin physiological functions
		Establishment of a novel therapeutic stratedies for anhidrosis and hyperhidrosis based on a physiological and functional analysis of human swea
		Pathological and physiological analysis of sensory abnormalities (e.g. pruritus and pain) and tactile dysfunction
		Pathogenesis of inflammatory skin diseases with a focus on sebum
		② Research on skin allergies and chronic inflammatory diseases
		Survey for epidemiology of allergy, and evaluation of buren in patients with allergic skin diseases
		Exploratory study on the impact of sweat properties on the skin microbiome in atopic dermatitis
		Spatial omics analysis of inflammatory skin diseases and the dynamics of molecular targeted therapy on the skin microbiome
		③ Research on malignant skin tumors
	MIDOTA Himanuki	Establishment of immune cell transfusion therapy for both skin cancer and cutaneous lymphomas
Dermatology	MUROTA Hiroyuki (Professor)	Development of a breakthrough treatment for malignant skin tumors aimed at reducing disease burden and healthcare costs
	(1 folessor)	④ Research on skin infections
		Survey for actual condition and epidemiological investigation of skin infection (e.g. fungal disease, acid-fast bacteria, and bacterial infection,
		Component analysis of metabolic products of skin-resident fungi through medical-engineering collaboration
		(5) Development research to overcome unmet needs
		Diagnosis of rare intractable diseases and development of new treatments for those diseases (e.g. pseudoxanthoma elasticum, Fabry disease, and
		neurofibromatosis, etc.)
		Investigaion for biomarkers and microbiomes which are of benefit to involved in treatment options for skin diseases (e.g. psoriasis, atopic
		Development of a clinical support application for dermatological diseases
		Pathophysiological analysis and noninvasive biomarker assessment in Yusho
		Exploration of biomarkers in patients with vitiligo
		① Basic and clinical research on the mechanisms and treatment of arteriosclerosis and pulmonary hypertension
		2 Development of biomarkers of cardiovascular disease and its clinical application
G 11 1	DATE OF THE STATE	® Research on the application of chronotherapy to cardiovascular disease
Cardiovascular Medicine	[MAEMURA Koji]	Association of myocardial tissue changes with genetic abnormlities of cardiomyopathy and lethal arrhythmia
Medicine	(Professor)	(5) Epidemiology of acute myocardial infarction in Nagasaki
		Research on the relationship between cancer and cardiovascular disease Research on the application of adipose tissue derived stem cells in cardiovascular regenerative medicine
		Research on implementation of a regional clinical pathway for cardiovascular disease
		Molecular biology, mutations and pathology of hepatitis virus
		② Interferon signals within hepatic cells
		③ Life and death of hepatic cells
Gastroenterology and	MIYAAKI Hisamitsu	Early diagnosis and carcinogenic inhibition of hepatic cell cancer
Hepatology	(Professor)	(5) Development of new treatment methods for digestive organ cancer
		Digestive organ disorders and metabolic syndrome
		Pathological analysis and development of new treatment methods for autoimmune hepatitis
		Pathological analysis and development of new diagnostic methods for D198:D205hypersensitivity pneumonia
Respiratory Medicine		
		① Research into new methods of diagnosing infectious diseases
		② Clarification of drug-resistant mechanisms and research into drug resistant bacteria control
	YANAGIHARA Katsunori (Professor)	③ Clarification of severe infection mechanisms and development of new treatment methods
Laboratory Medicine		(i) Research about the role of microbiota on human health
		(5) Clarification of ATL pathology and development of new treatment methods
		6 Establishment of custom-made diagnostics for neoplasm and infection
		⑦ Development of new antimicrobials
		① Research into hereditary diseases and genetic diagnosis
	MIVAREN "	② Clinical and Genetic research into short statures
	MIYAKE Noriko (Professor)	3 Clinical and Genetic research into pediatric endocrinologic disorders A Research into genetic etiologies of undiagnosed congenital diseases
Pediatrics	(Professor) DATEKI Sumito	Research into genetic etiologies of undiagnosed congenital diseases Epidemiological and clinical research into mother-to-child infections
	(Associate Professor)	© Investigation on involvement of coronaviruses in the onset of Kawasaki disease
	,	Research on reactogeneoity to COVID-19 vaccine
		8 Investigation on prevalence of antimicrobial resistant bacteria among infants and toddlers in the community
		① Diagnostic imaging of inflammatory and degenerative diseases
Radiological Science	TOYA Ryo	② Imaging and staging of malignant tumors
-maiological selelice	(Professor)	3 Application of molecular imaging into radiotherapy planning
		Physics analysis and clinical application of high-precision radiation therapy
	ACIHIZAWAY	① Research into management of pulmonary nodules using diagnostic imaging
Clinical Oncology	ASHIZAWA Kazuto	© Research into molecular imaging for use in determining effectiveness of cancer treatments
~	(Professor)	Cutting edge clinical cancer research involving clinical trials on cancer drug treatments in multi-organ cancer cases Development of novel therapeutic strategies in rare cancers
	SANUKI Takuro	Development of novel therapetute strategies in rare cancers Research into management upper airway patency during sleep and anesthesia
	(Professor)	② Investigation on influence of anxiety on pain perception
Clinical Physiology	KURATA Shinji	Research into functional role of opioid receptor
	(Associate Professor)	Investigation on swallowing disorder
	•	① Biomechanical analysis of orthodontic tooth movement
		② Effect of soft diet feeding on masticatory function development and craniofacial growth
Orthodontics and	[VOCHIDA N - :: -1::1	③ Etiology and pathogenesis of stomatognathic function disorders
Dentofacial	[YOSHIDA Noriaki] (Professor)	Mechanisms of root resorption induced by orthodontic tooth movement
Orthopedics	(110103501)	(5) Development of orthodontic diagnosis and treatment support system using AI
		Development of treatment system for achieving efficient tooth movement
		Mechanisms of osteoclast differentiation and its control

Area of Research	Professor, etc.	Т	Details of main research work
	FUJITA Yuko	1	Molecular biological research of pathogenic factors of dental caries and periodontal disease
Developmental and	(Professor)		Molecular biological research of teeth and craniofacial growth and development
Nurturing Dentistry	TANOUE Naomi	3	Development of new congnitive behavioral therapy
	(Associate Professor)		Materials-based approach to dental and oral diseases
			Physical properties and clinical results of endodontic tools and materials
			Wound healing mechanism in pulpitis and apical periodontitis
D	YOSHIMURA Atsutoshi	_	Pulp regenerative medicine and biomaterials Applying for the long recognition with the property of the proper
Periodontology and Endodontology	(Professor)		Analysis of alveolar bone resorption mechanism Role of immune system in periodontal tissue breakdown
znacachierog,	(110105501)		Epidemiological study of periodontal diseases
			Analysis of virulence factors of periodontopathic bacteria
			Associations between periodontal disease and systemic disease
		1	Biocompatibility and biodynamics of dental implants
Applied Prosthodontics	SAWASE Takashi		Understanding of pathophysiology of and treatment strategy for MRONJ
Tippined Troumedoniaes	(Professor)		Manufacture, clinical application and evaluation of polymers/composite materials/ceramics
		(4)	Surface modification of dental materials
			Research into the development and clinical application of dental materials such as soft denture liners and denture adhesives
Ducathatia Dantiatur	HARADA Kae		Research into mastication function and jaw movement
Prosthetic Dentistry	(Associate Professor)		Clinical research of prosthetic dentistry
			Maintenance of dentures
			Developmental research on innovative oral care methods for elderly adults Basic and clinical research on maxillofacial deformities and congenital anomalies
Oral and Maxillofacial	YAMADA Tomohiro		Basic and clinical research on oral tumors
Surgery	(Professor)	_	Basic and clinical research on oral and maxillofacial reconstruction
		1 ~	Research on treatment support systems using digital technology
			Diagnostic imaging of head and neck tumors
Radiology and	SUMI Misa		Diagnosis and treatment of Sjögren's syndrome
Biomedical Informatics	(Professor)		Deep learning approach for imaging diagnosis
		_	DNA damage and repair mechanisms
Medical Research and	CID CITY III	1	Translational research of novel cell and gene therapies for jaw and alveolar bone defects
Development for Oral	SUMITA Yoshinori		Translational research of novel cell therapies for xerostomia (atrophic salivary glands)
Disease	(Professor)		Research into the function of tissue specific macrophages on morbid aged salivary glands
		_	Research into the function of megakaryocytes on bone metabolism and regeneration Research into DNA-based diagnostic methods for personalized medicine
	TSUKAMOTO Kazuhiro	-	Research into DivA-based diagnostic methods for personalized medicine Research into association studies on susceptibility genes for diseases, progression, drug effectiveness, adverse effects, and prognosis using genetic
Pharmacotherapeutics	(Professor)	2	polymorphic markers
		$oldsymbol{\perp}$	
	KAWAKAMI Shigeru		Research into targeted DDS using external stimuli from medical equipment
Pharmaceutical	(Professor)		Development of Designer Cells Using Nucleic Acid Pharmaceuticals and Their Application in Cancer Treatment
Informatics	MUKAI Hidefumi		Development of high functionality and quality (HFQ) lipid nanoparticles and their application in treatments for intractable diseases and vaccines
	(Associate Professor)		Development of designer bacterial drugs for the treatment of refractory cancer
			Development of new PET probes and novel methods for pharmacokinetic analysis
Pharmaceutics	NISHIDA Koyo		Research on drug delivery system aiming to develop new administration forms Development of control method for distribution of genetic medicine in the body and its pharmaceutical formulation with the purpose of optimizing
1 Harmaceutics	(Professor)		Research on kinetic analysis of drug disposition in the body and dosage regimen under diseased state
Pharmacy Practice		Ť	7 2 1 7 2 2
T Harmacy Tractice		┷	
	OHYAMA Kaname		Clinical application and advanced research of comprehensive analysis of immune complexes
Molecular	(Professor)		In-house production of blood drug measurement by LC-MS/MS and research on drug treatment design based on large-scale data
Pathochemistry	KODAMA Yukinobu		Research on optimization of drug treatment and proper use of drugs by artificial intelligence
	(Associate Professor)		Elucidation of the molecular basis of hibernation
			Development of drugs and genetic delivery systems
	ETO Hiromi		
	(D. C.)	_	Research on midwifery and women's health Research on sleep of mother and child
	(Professor)	2	Research on sleep of mother and child
	HONDA Sumihisa	3	Research on sleep of mother and child Research on health promotion for the community citizens
	\ /	(2) (3) (4)	Research on sleep of mother and child
	HONDA Sumihisa (Professor)	2 3 4 5	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu]	(2) (3) (4) (5) (6)	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor)	2 3 4 5 6 7 8	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi	2 3 4 5 6 7 8 9	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on people with sleep disturbance
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor)	2 3 4 5 6 7 8 9	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on chronic disease nursing
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi	2 3 4 5 6 7 8 9 0 0	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on collagen disease nursing
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor)	2 3 4 5 6 7 8 9 0 0 0	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on chronic disease nursing Research on collagen disease nursing Research on health literacy
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi	2 3 4 5 6 7 8 9 9 11 12 3	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on chronic disease nursing Research on claigen disease nursing Research on collagen disease nursing Research on collagen disease nursing Research on collagen disease nursing
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor)	2 3 4 5 6 7 8 9 9 11 12 13 4	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on chronic disease nursing Research on collagen disease nursing Research on collagen disease nursing Research on health literacy Research on acute care nursing Research on children's health and nutrition
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo	2 3 4 5 6 7 8 9 10 11 12 13 14	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on cinfection control nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on people with sleep disturbance Research on claigen disease nursing Research on collagen disease nursing Research on collagen disease nursing Research on health literacy Research on health literacy Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor)	2 3 4 5 6 7 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on ortenitor for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on chronic disease nursing Research on chladren disease nursing Research on health literacy Research on oaute care nursing Research on acute care nursing Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor)	2 3 4 5 6 7 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on cinfection control nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on people with sleep disturbance Research on claigen disease nursing Research on collagen disease nursing Research on collagen disease nursing Research on health literacy Research on health literacy Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders
Nursing Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru		Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on ortenitor for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on chronic disease nursing Research on chladren disease nursing Research on health literacy Research on oaute care nursing Research on acute care nursing Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer
	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor)	2 3 4 5 6 7 8 9 9 10 12 3 4	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on ortenitor for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on chronic disease nursing Research on chladren disease nursing Research on health literacy Research on nealth literacy Research on acute care nursing Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc)
Physical Therapy	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya		Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on orteronic respiratory nursing Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on orterolic disease nursing Research on collagen disease nursing Research on health literacy Research on nealth literacy Research on acute care nursing Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research on rehabilitation for rheumatic diseases Research on rehabilitation for rheumatic diseases
Physical Therapy	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya (Associate professor)		Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on orteronic respiratory nursing Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on orterolic disease nursing Research on collagen disease nursing Research on health literacy Research on nealth literacy Research on acute care nursing Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research on rehabilitation for rheumatic diseases Fundamental and clinical research on pain in rehabilitation
Physical Therapy	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) (ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya (Associate professor) TANAKA Takako	2 3 4 5 6 7 8 9 W H B B C 2 3 4 5 6 7	Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on ortening reprivatory nursing Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on ortenic disease nursing Research on collagen disease nursing Research on health literacy Research on nealth literacy Research on acute care nursing Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research on rehabilitation for rheumatic diseases Fundamental and clnical research on pain in rehabilitation Research on individual rehabilitation and prognosis in chronic respiratory diseases
Physical Therapy	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya (Associate professor)		Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on ortonic respiratory nursing Research on chronic respiratory nursing Research on infection control nursing Research on eardiovascular nursing Research on eardiovascular nursing Research on chronic disease nursing Research on chronic disease nursing Research on collagen disease nursing Research on health literacy Research on nealth literacy Research on ortification of the mechanism for locument and chronic cardiorespiratory disorders Research on children's health and nutrition Clinical research on rehabilitation for caute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research on rehabilitation for rheumatic diseases Fundamental and clnical research on pain in rehabilitation Research on individual rehabilitation and prognosis in chronic respiratory diseases Research on rehabilitation and recurrence prevention in elderly people with pneumonia
Physical Therapy	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) (ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya (Associate professor) TANAKA Takako		Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on prevention for perioperative complication Research on infection control nursing Research on cardiovascular nursing Research on eardiovascular nursing Research on chronic disease nursing Research on chronic disease nursing Research on clonic disease nursing Research on cholagen disease nursing Research on cholagen disease nursing Research on children's health and nutrition Clinical research on children's health and nutrition Clinical research on rehabilitation for caute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research and development in rehabilitation for musculoskeletal diseases Research on rehabilitation for rheumatic diseases Fundamental and clnical research on pain in rehabilitation Research on individual rehabilitation and prognosis in chronic respiratory diseases Research on rehabilitation and recurrence prevention in elderly people with pneumonia Research for assessment of children with developmental disabilities
Physical Therapy	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya (Associate professor) TANAKA Takako (Associate professor)		Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on people with sleep disturbance Research on clonic disease nursing Research on clonic disease nursing Research on collagen disease nursing Research on challath literacy Research on acute care nursing Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research and development in rehabilitation for musculoskeletal diseases Research on rehabilitation for rheumatic diseases Fundamental and clnical research on pain in rehabilitation Research on individual rehabilitation and prognosis in chronic respiratory diseases Research on rehabilitation and recurrence prevention in elderly people with pneumonia Research on sessment of children with developmental disabilities Research for dysfunction of sensory and motor in the individuals with autism spectrum disorder
Physical Therapy Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya (Associate professor) TANAKA Takako (Associate professor)		Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on chronic disease nursing Research on chronic disease nursing Research on chlatenis experiments Research on collagen disease nursing Research on acute care nursing Research on health literacy Research on acute care nursing Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research and development in rehabilitation for musculoskeletal diseases Research on rehabilitation for rheumatic diseases Fundamental and clinical research on pain in rehabilitation Research on individual rehabilitation and prognosis in chronic respiratory diseases Research on rehabilitation and recurrence prevention in elderly people with pneumonia Research for assessment of children with developmental disabilities Research on psychiatric rehabilitation
Physical Therapy Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) [SHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya (Associate professor) TANAKA Takako (Associate professor) IWANAGA Ryoichiro (Professor) IMAMURA Akira (Professor)		Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on chronic disease nursing Research on chronic disease nursing Research on chloric disease nursing Research on chlath literacy Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research and development in rehabilitation for musculoskeletal diseases Research on rehabilitation for rheumatic diseases Fundamental and clinical research on pain in rehabilitation Research on rehabilitation and prognosis in chronic respiratory diseases Research on rehabilitation and recurrence prevention in elderly people with pneumonia Research for dysfunction of sensory and motor in the individuals with autism spectrum disorder Research on psychiatric rehabilitation Research on psychiatric rehabilitation Research on investigation and support of addiction
Physical Therapy Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) [SHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya (Associate professor) TANAKA Takako (Associate professor) IWANAGA Ryoichiro (Professor) IWANAGA Ryoichiro (Professor) IMAMURA Akira (Professor) MORIUCHI Takefumi		Research on sleep of mother and child Research on health promotion for the community citizens Research on stomy rehabilitation Research on prevention for perioperative complication Research on infection control nursing Research on infection control nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on chronic disease nursing Research on chronic disease nursing Research on collagen disease nursing Research on health literacy Research on health literacy Research on health literacy Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for eancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research and development in rehabilitation for musculoskeletal diseases Research on individual rehabilitation and prognosis in chronic respiratory diseases Research on individual rehabilitation and prognosis in chronic respiratory diseases Research on rehabilitation and recurrence prevention in elderly people with pneumonia Research for dysfunction of sensory and motor in the individuals with autism spectrum disorder Research on investigation and support of addiction Research on investigation and support of addiction Research on investigation and support of addiction Research on the biological basis of autism spectrum disorder and schizophrenia
Physical Therapy Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) (ISHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Profesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya (Associate professor) TANAKA Takako (Associate professor) IWANAGA Ryoichiro (Professor) IWANAGA Ryoichiro (Professor) MORIUCHI Takefumi (Associate Professor)		Research on sleep of mother and child Research on health promotion for the community citizens Research on ostomy rehabilitation Research on prevention for perioperative complication Research on chronic respiratory nursing Research on infection control nursing Research on infection control nursing Research on cardiovascular nursing Research on chronic disease nursing Research on children's health and nutrition Clinical research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for cancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research on rehabilitation for rheumatic diseases Research on individual rehabilitation and prognosis in chronic respiratory diseases Research on individual rehabilitation and prognosis in chronic respiratory diseases Research on rehabilitation and recurrence prevention in elderly people with pneumonia Research for assessment of children with developmental disabilities Research on psychiatric rehabilitation Research on psychiatric rehabilitation Research on investigation and support of addiction Research on livestigation and support of addiction Research on the biological basis of autism spectrum disorder and schizophrenia Fundamental research on Rehabilitation through Neurophysiological Approaches
Physical Therapy Sciences	HONDA Sumihisa (Professor) [SAWAI Terumitsu] (Professor) [SHIMATSU Yuji (Professor) KURODA Hiromi (Professor) MATSUURA Emi (Professor) TANAKA Junichi (Associate Proffesor) KOZU Ryo (Professor) OKITA Minoru (Professor) [ORIGUCHI Tomoki] (Professor) SAKAMOTO Junya (Associate professor) TANAKA Takako (Associate professor) IWANAGA Ryoichiro (Professor) IWANAGA Ryoichiro (Professor) IMAMURA Akira (Professor) MORIUCHI Takefumi		Research on sleep of mother and child Research on health promotion for the community citizens Research on stomy rehabilitation Research on prevention for perioperative complication Research on infection control nursing Research on infection control nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on cardiovascular nursing Research on chronic disease nursing Research on chronic disease nursing Research on collagen disease nursing Research on health literacy Research on health literacy Research on health literacy Research on children's health and nutrition Clinical research on rehabilitation for acute and chronic cardiorespiratory disorders Research and development in rehabilitation for eancer Clarification of the mechanism for locomotive disorders (joint contracture, muscle atrophy, pain, etc) Research and development in rehabilitation for musculoskeletal diseases Research on individual rehabilitation and prognosis in chronic respiratory diseases Research on individual rehabilitation and prognosis in chronic respiratory diseases Research on rehabilitation and recurrence prevention in elderly people with pneumonia Research for dysfunction of sensory and motor in the individuals with autism spectrum disorder Research on investigation and support of addiction Research on investigation and support of addiction Research on investigation and support of addiction Research on the biological basis of autism spectrum disorder and schizophrenia

Area of Research	Professor, etc.		Details of main research work
	,	1	Research on health promotion for the community citizens
	OHNISHI Mayumi		Research in improving the health of people living under disadvantaged conditions
	(Professor) HIGASHI Toshio	_	
	(Professor)	_	Research on rehabilitation for the disabled
Health Sciences	SATOH Katsuya	_	Research and development in rehabilitation for neurological disease and muscle disease
	(Professor) HIRANO Yuko	(5)	Research and development in diagnose for dementia disease and rehabilitation for the prevention of dementia disease
	(Professor)	6	Research on transfer of Japan's care technology to Asian countries
	KOSAKA Satoko (Associate Professor)	7	Research on the Sense of Coherence and its implication to health
	(Tibbeliate Trotessor)	8	Research on life adaptation and stress coping of foreign health workers in Japan
	KOBAYASHI Masakazu		Research into the effects of lifestyle on physical and mental health in young adults
Preventive Medicine	(Associate Professor)	(2)	Research into the effects of lifestyle factors on physical and mental health in workers
		1	Development of novel combination cancer therapy harnessing PD-1 immune checkpoint inhibitors
Medical	TANAKA Yoshimasa		Development of novel cancer immunotherapy harnessing gd T cells
Innovation	(Professor)		Development of novel cancer immunotherapy harnessing nanobodies
Community Network		(4)	Development of novel cancer immunotherapy harnessing natural products
for Health Welfare			
Endomin-1	HORIE Ichiro		Analysis of bone microarchtecture in patients with endocrine disorders
Endocrinology and Metabolism	(Senior Assistant Professor)		Analysis of circulating tumor DNA obtained from venous blood sampling in patients with endocrine disorders Evaluation of efficacy of continuous glucose monitoring in patients with gestational diabetes
	,		Research on pathophysiology of type 1 diabetes using non-obese diabetes mice
	TSUJINO Akira		Development of new diagnostic and therapeutic techniques for the neurological diseases
Clinical Neuroscience	(Professor)		Research on molecular, pathological and physiological mechanisms underlying the neurological diseases Epidemiological and statistical analysis of omics and clinical data in the neurological diseases
Chinical Neuroscience	TATEISHI Yohei		Biomarker development for precision medicine in the neurological diseases
	(Senior Assistant Professor)		Translational research and clinical research of regenerative medicine in the neurological diseases
	NICHINO T		Research into mechanisms of kidney diseases and development of new treatment methods
Nephrology	NISHINO Tomoya (Professor)		Basic and clinical research into renal replacement therapy including hemodialysis, peritoneal dialysis and kidney transplantation Epidemiological and clinical research into chronic kidney disease
	` ′		Research into mechanisms and new treatment for complication of chronic kidney disease
		_	Pathophysiological clarification of sepsis, and research into the development of treatment
			Pathophysiological clarification of ischemia-reperfusion injury, and research into the development of treatment Pathophysiological clarification of severe trauma, and research into the development of treatment
Emergency Medicine	TASAKI Osamu (Professor)		Pathophysiological clarification of heatstroke, and research into the development of treatment
			Research into nutrition management of critically ill patients
			Research on disaster medicine, including nuclear disasters Exploration of an International Public Health Approach through Molecular Diagnosis and Epidemiological Studies of Snakebite Envenomation
	TAKAHATA Hideaki	-	Research on prevention and treatment of dysphagia and pneumonia in stroke patients
Rehabilitation Medicine	(Professor)		Study of dysphagia in critical care patients
		(3)	Studies on myonuclei and satellite cells for muscle regeneration in critically ill patients
Neurological Science			
	HIGUCHI Osamu		Development of targeted drug for neurological diseases
Neuroimmunology	(Professor)		Development of drug discovery platform targeting protein kinases Development of measurement technology for neurological disease biomarkers
			Research into comprehensive community care system
	MINE Takashi		Research into the policy for community health
Comprehensive	(Professor)		Research into network system for comprehensive community care Research into primary health care in local community
Community Care	ICHIKAWA Tatsuki		Research into dementia and mild cognitive impairment in community
	(Professor)		Research into assessment for sarcopenia
		7	Viral hepatitis and metabolic syndrome
	GOTO Koichi (Professor)	1	Research into fundamental causes and prevention of cancer
	KONDO Tadashi	2	Research into diagnosis and treatment for cancer
	(Professor)	(3)	Research into cancer pathophysiology and survivorship
Comprehensive	IGAKI Hiroshi (Professor)		
Oncology	ISHIAI Masamichi	(4)	Research into precision medicine for cancer patients
	(Professor) OGIWARA Hideaki	(5)	Development of cellular immunotherapies for cancers
	(Professor)	6	Development of medical devices and programs for cancer treatment
	WATANABE Keisuke		
Providen O. 1. 1	(Associate Professor)		
Precision Oncology and Translational			
Research			

②Areas of Research in Department of Infection Research
*The [] in the name in the "Professor, etc." column indicates the planned retirement at the end of March 2027.

Area of Research	Professor, etc.	Details of main research work
	,	① Research on immune responses to infection, tumors, allergies, and autoimmunity
		② Development of type I innate immune activators
	AOSHI Taiki	③ Development of humanized disease models for infectious diseases and tumors using immunodeficient mice
Immunology	(Professor) INOUE Shin-Ichi	 ① Development of antimalarial drugs ⑤ Research on the relationship between photodynamic therapy (PDT) and immune responses
	(Associate Professor)	6 Research and development of new antimalarial drugs
		① Molecular mechanism of memory T cell-differentiation and their persistence during Plasmodium · Leishmania
		§ Mechanism underlying immune response of $\gamma \delta$ T cells and their roles in <i>Plasmodium</i> • <i>Leishmania</i> infection
Cellular and Molecular	NAKAGAKI Takehiro	 Analysis of prion pathogen behavior and infection/proliferation mechanisms Analysis of host immune response in regard to prion infection, and development of immunomodulation therapy
Biology	(Associate Professor)	Research into development of viral infection and prior infection diagnosis methods
		④ Research into development of new drug treatments for pathogens
		Analysis of antifungal resistance mechanisms and virulence, and development of novel diagnostic tools and treatments
	IZUMIKAWA Koichi	for the infections caused by pathogenic fungi (Aspergillus, Candida, and Cryptococcus) Investigation of the molecular basis of host-pathogen interaction for bacteria causing the respiratory infection
Infectious Diseases	(Professor)	(3) Investigation of epidemiology and pathogenesis of the emerging, re-emerging infectious diseases as well as diseases
		caused by drug-resistant pathogens
		Intervention for the preventing the spread of hospital-acquired infection Technical innovation in molecular viral diagnostics
Medical Virology	UNO Naoki	Molecular assay development for pathogen detection and quantification
	(Associate Professor)	
Microbiology and Oral	NAITO Mariko	① Analysis of transport and secretion system of pathogenic factors in periodontal pathogen
Infection	(Professor)	 Molecular biological analysis of pathogenic factors of periodontal and relative bacteria Search and development of antibacterial drugs targeting periodontal pathogen
		Scarch and development of antibacterial drugs targeting periodolital pathogen An Intracellular dynamics of highly pathogenic viruses using live cell imaging system
		② Molecular replication machinary of highly pathogenic viruses (flaviviruses, alphaviruses, filoviruses and bunyaviruses)
		Molecular mechanisms of pathogenicity in highly pathogenic viruses (flaviviruses, alphaviruses, filoviruses and bunyaviruses) infection
Molecular Virology	TAKAMATSU Yuki	Scroepidemiological and molecular epidemiological studies of arthropod-borne viruses (e.g. Japanese encephalitis
	(Professor)	virus, Dengue virus, Zika virus, Chikungunya virus, etc)
		(5) Development of diagnostic, therapeutic and preventive measurements against arthropod-borne viruses (e.g. Japanese encephalitis virus, Dengue virus, Zika virus, Chikungunya virus, etc)
		Analysis of SARS-CoV2 pathogenecity and development of diagnostic and therapeutic methods
D	KODAMA Toshio	① Research on pathogenesis of enteropathogenic bacteria
Bacteriology	(Professor)	Immune response and host defense mechanism to enteropathogenic bacteria Molecular epidemiological study on enteropathogenic bacteria in endemic areas
		Molecular mechanisms of erythrocyte invasion by malaria parasites Molecular mechanisms of erythrocyte invasion by malaria parasites Molecular mechanisms of adnesion of erythrocytes infected with malaria parasites and their involvement in
		2 Inforcular mechanisms of adhesion of erythrocytes infected with maiarra parasites and their involvement in
M. F. J.D. A J	KANEKO Osamu	③ Molecular epidemiology of malaria vaccine candidate antigens and drug-resistance genes
Medical Protozoology	(Professor)	 ④ Evolution of malaria parasites ⑤ Understanding the biology of the dormant liver stage of malaria parasites
		Development of vaccines, drugs and diagnostic tools for malaria
		① Development of sustainable control methods for zoonotic malaria through an integrated One Health approach
Biochemical	MI-ICHI Fumika	① Entamoeba lipid metabolism; biochemistry, molecular and cell biology, and physiology
Parasitology	(Professor)	② Study for the molecular mechanism underlying <i>Entamoeba</i> encystation Construction of metabolic pathway of <i>Entamoeba histolytica</i> and identification of the targets for the development of
	,	anti-amoebiasis drugs
		Target parasitic diseases: Neglected Tropical Diseases (NTDs) such as schistosomiasis, leishmaniasis, African
Medical	HAMANO Chiniina	trypanosomiasis, amebiasis, and lymphatic filariasis, among others. Research and development of novel monitoring methods, spatio-temporal epidemiology, and intervention studies
Helminthology	HAMANO Shinjiro (Professor)	centered on Social and Behavior Change (SBCC) for parasitic diseases in Africa
8,		② Research, development, and evaluation of vaccines and novel diagnostic methods against parasitic diseases ③ Studies on host immune responses and protective immunity to parasitic infections
		Studies on parasite survival strategies and pathogenicity/virulence mechanism
Immunogenetics		
Clinical Investigation		
		① Research on the establishment of a large-scale surveillance system for neglected tropical diseases
Ecoepidemiology and		② Research on the linkage between environmental DNA and epidemiological data on tropical diseases
Epidemiological	KANEKO Satoshi	3 Research on the application of biometrics to regional medical information systems
Informatics in Tropical Medicine	(Professor)	④ Epidemiological study on growth retardation (stunting) in children in developing countries
		 Study on electronic resident registration and maternal and child registration in developing countries Epidemiological study on fungal mycosis
		Development of mathematical models for sexually transmitted infections
International IIlth		② Investigation of sexual behavior and sexual contact networks
International Health and Medical	ITO Hiromu	③ Application of game theory to antimicrobial resistance issues
Anthropology	(Associate Professor)	④ Hypoxic adaptation and the risk of disease among Tibetan highlanders
		 (5) Oral health, infections, and birth outcomes among pregnant women in low- and middle-income countries (6) The relationship between stress exposure in pregnant women and the sex ratio at birth
		(6) The relationship between stress exposure in pregnant women and the sex ratio at birth

Area of Research	Professor, etc.	Details of main research work
Vector Ecology and Environment	FUTAMI Kyoko (Associate Professor)	 Ecological and population genetic studies on disease vectors (mainly mosquitoes) and intermediate hosts (e.g. snails). Epidemiology and theoretical studies on vector borne diseases.
Clinical Tropical Medicine	MORIMOTO Konosuke (Professor) KUBO Yoshinao (Associate Professor)	 ① Clinical epidemiology of acute respitatory tract infection among adult ② Clarification of acute respiratory infection in developing countries, and countermeasures ③ Pathological clarification of other tropical infectious diseases in developing countries, and countermeasures
Tropical Pediatric Infectious Diseases	YOSHIDA Lay-Myint (Professor)	 Clinical epidemiology and microbiology of paediatric infectious diseases in tropical regions Pediatric Acute Respiratory Infection: clinical epidemiology, etiology, pathogeneis, prevention and treatment Clinical epidemiological and modelling studies on impact of vaccination and other intervention Statistical analysis of disease surveillance data Environmental factors and infectious diseases
Clinical Product Development		
Tropical Bacteriology		
Tropical Microbiology		
Emerging Viral Diseases	YASUDA Jiro (Professor)	 Molecular mechanisms of replication of hemorrhagic fever viruses Development of novel anti-viral strategies against highly pathogenic viruses (especially influenza, SFTS, Ebola, Marburg and Lassa viruses) Development of diagnostic methods for emerging viral diseases Analyses of the pathogenicity of SARS-CoV-2 and development of the treatments for COVID-19 Epidemiological and ecological studies on viral diseases in Gabon, Brazil, and Thailand
Cellular and Molecular Virology	NANBO Asuka (Professor)	 Molecular mechanism of infrction and pathogenesis of Filovirus Characterization of extracellular vesicles released from tumor virus-infected cells Molecular mechanism of development of Epstein-Barr virus-associated epithelium tumors Development of therapeutics and diagnosis for Filovirus and tumor viruses-associated diseases
Viral Ecology	YOSHII Kentaro (Professor)	Persistence and transmission of arthropod-borne viruses in hosts Pathogenic mechanisms of arthropod-borne viruses Development of diagnostic methods and epidemiological research of arthropod-borne viruses Development of vaccines and therapeutics for arthropod-borne viruses
Immune Dynamics in Viral Infections	KAWASAKI Takumi (Associate Professor)	 Study of vairal immune response in cultured cells Analysis of Immune dynamics in laboratory animals during viral infections Elucidation of the mechanisms of viral replication and virulence Applied research for prevention and diagnosis for viral infections
Integrative Regulation	IMAIZUMI Yoshitaka (Professor)	Research on the clinical pathogenesis and prognosis of refractory tumors Clinical research on the medical treatment of malignant tumors in the elderly
Healthcare Research	KOMORI Atsumasa (Professor)	Development and proposal for public policy about viral hepatitis Development and proposal for public policy about intractable liver diseases Characterization and proposal for patient-centered outcomes-based medicine in viral hepatitis and in intractable liver diseases
Viral Hepatitis	YATSUHASHI Hiroshi (Professor)	 Clinical research of hepatitis C and B, and research into the development of treatment methods Research into the genetic mutation, pathology and treatment of hepatitis virus Studies on the pathophysiology and treatment of liver fibrosis and cirrosis Clinical research on the development of liver cancer and its suppression
Advanced Research	NAKAMURA Minoru (Professor)	Development of molecular target therapy for refractory autoimmune liver diseases (primary biliary cholangitis, autoimmune hepatitis) Development of order-made treatment for chronic viral hepatitis based on individual analysis of immune-response Development of regenerative medicine for diseases in the liver/bile duct based on molecular mechanisms for cellular damage/regeneration
Molecular Immunology		
Function and Morphology	KUROKI Tamotsu (Professor)	 Diagnosis and surgical treatment for liver cancers hepatic cancer, intrahepatic bile duct cancer, etc. Clinical and experimental research into regenerative capacity and mechanisms in liver diseases Development of the novel assessment method for hepatic functional reserve hepatic cell transplant methods Clinical and experimental research into the relationship between hepatocellular carcinoma and lifestyle diseases
Clinical Pathology	ITO Masahiro (Professor)	Clinical and pathological research into viral hepatitis/hepatic neoplasm Clinical and pathological research into refractory autoimmune hepatic disease Molecular pathological research into neoplastic disorders Clarification of occurrence mechanisms for radiation-induced neoplasm
Basic Mycobacteriosis	MITARAI Satoshi (Professor) KEICHO Naoto (Professor) OHKADO Akihiro (Professor) SETO Sintaro (Associate Professor)	 Research on the development and evaluation of bacteriological diagnostic methods for tuberculosis Research into drug-resistant mechanisms in mycobacteria and their diagnosis/treatment Epidemiological research on Mycobacterial diseases including molocular analysis Analytical research on the relationship between mycobacterial function and its microstructure Functional analyses of mycobacteria with OMICS information Research on mycobacterial infection, development and recurrence of the disease at genetic, molecular and cellular levels

Area of Research	Professor, etc.	Details of main research work
Clinical Mycobacteriosis	SHIRAISHI Yuji (Professor) MORIMOTO Kozo (Professor)	Clinical research into treatment of susceptible pulmonary tuberculosis Research into DOTS (Directly Observed Treatment Short-course) Clinical research into multi-resistant tuberculosis Clinical research (including clinical trials) into the effectiveness of new antituberculosis drug treatments Research into non-tuberculous mycobacterial disease Research into pulmonary rehabilitation for patients with mycobacterial disease
	` ,	 Pathophysiological analyses of systemic inflammation and sarcopenia in pulmonary mycobacteriosis Pulmonary rehabilitation and nutritional strategies for pulmonary mycobacteriosis

③Areas of Research in Department of Life Sciences and Radiation Research
*The [] in the name in the "Professor, etc." column indicates the planned retirement at the end of March 2027.

Area of Research	Professor, etc.	Details of main research work
Molecular Oncology	MITSUTAKE Norisato (Professor)	Molecular mechanisms of thyroid cancer development and progression Molecular mechanisms of ionizing radiation-induced carcinogenesis
Radiation Molecular Epidemiology		
Radiation Biology and Protection	YOKOYAMA Sumi (Professor)	 ① Research on radiation dosimetry ② Research on radiation protection ③ Research on radiation risk communication
Health Society and Statistics	HAYASHIDA Naomi (Professor)	 ① Epidemiological research in local population ② Research on health effects due to radiation ③ Research on thyroid
Stem Cell Biology	LI Tao-Sheng (Professor)	 Translational studies on stem cells (cardiovascular diseases, wound healing, cancer, aging) Understand how low dose radiation exposure affects the health by viewing the stem cells Characterize cancer stem cells and uncover the mechanism on therapeutic resistance Investigate the role of autophagy on genomic instability Basic and translational studies on biomechanical stresses
Hematology	[MIYAZAKI Yasushi] (Professor)	 Development of new diagnostic methods and treatments for hematopoietic diseases Molecular analysis for the pathogenesis of hematopoietic neoplasms Epidemiology and pathological research for radiation-induced hematopoietic diseases Molecular analysis for hematopoietic stem cells Development of treatments for hematological disorders using hematopoietic cell transplantation and immunotherapy
Radioisotope Medicine	KUDO Takashi (Professor)	Research into the clinical/pre-clinical use of radioisotopes Research into measurement of human low dose internal radiation Research into risk/benefit assessment of the medical radiation and occupational radiation related to medical radiation usage
International Hibakusha Medical		

④ Areas of Research in Division of Advanced Preventive Medical Sciences

*The [] in the name in the "Professor, etc." column indicates the planned retirement at the end of March 2027.

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Area of Research	Professor, etc.	Details of main research work		
Integrative Neuroscience	MASUI Kenta (Professor) NAKAHATA Yasukazu (Associate Professor)	 Multi-omics analysis of pathological connectome in CNS disorders Development of novel AI platform for genetic and epigenetic diagnosis of CNS disorders Successful aging by revealing molecular mechanisms of how the circadian clock regulates aging process In vivo study to control the aging process by the circadian clock Analysis of the pathological progression mechanisms in neurodegenerative diseases Analysis of neuronal aging mechanisms for neuroprotection Physiological Analysis of the Hypothalamic-Pituitary Axis Regulating Gonadal Function Physiological Study on Endocrine Changes and Cognitive Decline during Menopause 		
Public Health	ARIMA Kazuhiko (Associate Professor)	 ① Community health based on health promotion science ② Prevention of bone/joint disease ③ Industrial health ④ Prevention of lifestyle-related disease ⑤ Physiological polymorphism based on physiological anthropological research 		
Medical Informatics	MATSUMOTO Takehiro (Associate Professor)	 ① Development and evaluation of Hospital Information System ② Development and evaluation of Health Information Exchange ③ Hospital management using Medical DX ④ Development and evaluation of Hospital Information System for medical Safety 		
Community Medicine	[NAGATA Yasuhiro] (Professor)	 Research in community medicine Research into the epidemiology of life-style related disease Research into community medical information and partnerships Research into community-based medical education Research into comprehensive community care system 		
Immunology and Rheumatology	IWAMOTO Naoki (Associate Professor) KOGA Tomohiro (Senior Assistant Professor)	 Research into causes and pathology of autoimmune disease/autoinflammatory disease and development of new treatment Integrated analysis of inflammatory arthritis: Etiology,Pathology and Therapy Genetic and environmental analysis of autoimmune disease and autoinflammatory disease Onset mechanisms for autoimmune disease brought on by viral infection Multimodal investigation of Preclinical-RA and Pre-RA by genomic, immunological and environmental approach Multimodal investigation of connective tissue disease associated interstitial lung disease Research into causes and pathology of refractory autoimmune neural disease Research into causes and pathology of lifestyle-related disease and development of new treatment Radiation exposure and thyroid cancer Reserch of osteoporosis: pathological aspect and advanced treatments 		
General Medicine				
Disaster Resilience and Science	TAKAMURA Noboru (Professor)	 ① Environmental monitoring in Fukushima ② Evaluation of exposure doses in Fukushima ③ Risk perception of residents in Fukushima ④ Epidemiological study of radiation victims in fomer USSR 		
Human Genetics	YOSHIURA Koichiro (Professor)	 ① Identification of the genes responsible for onset of disease ② Research into the relationship between human genetic polymorphism and disease ③ Research into the control of genetic expression through epigenetics mechanisms ④ The creation of disease model mice and pathophysiolological analytical research thereof ⑤ Development of methods to quantify radiation damage 		
Tissue Repair and Regenerative Medical Science	MORI Ryoichi (Professor) IMAMICHI Shoji (Assistant Professor)	Establishment of novel multi-omics analysis Elucidation of molecular mechanisms of skin wound healing and scar formation Development of nucleic acid therapeutics that promote healing and attenuate organ fibrosis Elucidation of the involvement of inflammation- and tissue repair-related genes in age-related diseases Elucidation of the molecular mechanisms of radiation-induced pulmonary fibrosis		
Tumor and Diagnostic Pathology	NAKASHIMA Masahiro (Professor)	 Research into molecular pathological specificity of neoplasms in atomic bomb Hibakusha Research into late-onset radiation-induced disorders Creation of Hibakusha neoplasm tissue bank Pathology of thyroid neoplasm Research into pathological diagnostics and new molecular pathological diagnostics 		

Doctoral Course [3 years]

①Areas of Research in Department of Pharmaceutical Sciences

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Area of Research	Professor, etc.	Details of main research work
Cell Regulation	TAKEDA Kohsuke (Professor) TANIMURA Susumu (Associate Professor)	 Roles of mitochondrial sensing and stress response Mitochondrial functions in the regulation of inflammation Mechanisms of inflammatory death of macrophage lineage cells Development of shark IgNAR-derived single-domain antibodies
Pharmacology and Therapeutic Innovation	KANEKO Masayuki (Professor) MATSUHISA Koji (Associate Professor)	Physiological roles and drug discovery of ubiquitin ligases Drug discovery using proteolysis-inducing drugs Analysis of gene function and drug discovery using genome editing
Pharmaceutical Chemistry	TANAKA Masakazu (Professor) UEDA Atsushi (Associate Professor)	 Design and synthesis of non-proteinogenic amino acids and their use in pharmaceutical chemistry Development of helical peptides as an asymmetric organocatalyst Design of cell-penetrating foldamers and their application to drug delivery system
Pharmaceutical Organic Chemistry	ISHIHARA Jun (Professor)	 Synthesis of biologically active natural products Development of highly effective formation of carbon framework Development of reaction diversity catalysts
Synthetic Chemistry for Pharmaceuticals	KURIYAMA Masami (Professor)	 Electrochemical and catalytic reactions for green chemistry Precise construction of bioactive molecules based on selectivity control Efficient synthetic processes for heterocyclic compounds Novel introduction methods for fluorine, deuterium, and related atoms
Genome-based Drug Discovery	IWATA Nobuhisa (Professor) SHIROTANI Keiro (Associate Professor)	 ① Analysis of molecular mechanisms underlying the pathogenesis of Alzheimer's disease ② Development of disease-modifying therapy and biomarker of Alzheimer's disease ③ Analysis of pathophysiological roles of convulsive neurological disease-causing gene PRRT2 in the synapse ④ Analysis of tissue-specific gene expression mechanism in eukaryotes
Chemical Biology and Medicinal Chemistry	YAKUSHIJI Fumika (Professor) YAMADA Koji (Associate Professor) SAITO Yoshinori (Associate Professor)	 Chemical biology and medicinal chemistry research related to histone modifications Chemical biology and medicinal chemistry research related to natural product synthesis Screening and identification of novel bioactive compounds from our original compound library Research related to natural products isolated from plants and microbial sources; isolation/structural determination/metabolism/function
Structure Analysis for Chemicals	MAKI Toshihide (Associate Professor)	 Design and development of photofunctional molecules Research into structure-activity relationship of bioactive compounds based on organic chemistry Exploitation of practical synthetic methodologies and their application for medicinal chemistry
Chemistry of Biofunctional Molecules	KAMADA Rui (Professor)	 Elucidation of cancer immune regulation by innate immune cells Investigation of the mechanisms of cellular oncogenic transformation and differentiation, and development of inhibitory compounds Investigation of the mechanisms of cellular oncogenic transformation and differentiation, and development of inhibitory compounds Elucidation of innate immune and cellular stress responses mediated by PPM phosphatases
Hygienic Chemistry	TORIBA Akira (Professor) ABIKO Yumi (Associate Professor)	 Environmental dynamics analysis for atmospheric organic pollutants Studies on human exposure and health effects of environmental pollutants Studies on cellular responses against environmental pollutants and effect of combined exposure Exploring of cytoprotective effect of phythochemicals against oxidative stress
Analytical Chemistry for Pharmaceuticals	KISHIKAWA Naoya (Professor)	 Development of luminescence reagent and its application to biomedical analyses Development of ultra sensitive analytical method for trace biologically active substances and pharmaceuticals Design of novel chemiluminescent reaction systems and their application to analytical chemistry Development of rapid separation method for biologically active substances