

AY 2027  
Entrance Examination Guideline for the  
Application Guide  
for Doctoral Program in Medicine

令和9（2027）年度  
医学博士課程学生募集要項  
入学試験案内

東京大学大学院医学系研究科  
Graduate School of Medicine  
The University of Tokyo

## AY 2027 List of Research Supervisors (as of May, 2026)

School of Medicine

○ Major fields of study and faculty

- (1) Applicants will be instructed by a faculty member (a professor or an associate professor) of the major to which they applied.
- (2) Applicants must contact that faculty member before applying.
- (3) The faculty and research areas of each major field of study are shown below. Faculty members due to retire at the end of this fiscal year may not be available to teach.
- (4) Abbreviations for departments are shown below.

ED: Endowed Department, IMSUT: The Institute of Medical Science, IMCB: Institute of Molecular and Cellular Biosciences, IQB: Institute for Quantitative Biosciences, RCAST: Research Center for Advanced Science and Technology, and CDBIM: Center for Disease Biology and Integrative Medicine. IRCME: International Research Center for Medical Education. IIS: Institute of Industrial Science. RIKEN: Institute of Physical and Chemical Research

### Molecular Cell Biology

| Major Field of Study                   | Faculty             |                         | Research Fields   | Affiliation (Department)                                      |
|--|---------------------|-------------------------|---|---|
| Cell Biology                           | Professor           | Yasushi Okada           | Physical Biology of the Cell, Live Cell Imaging   | Cell Biology and Anatomy                                      |
| Cellular Neurobiology                  | Professor           | Teruhiro Okuyama        | Behavioral Neuroscience, Social neuroscience, Autism spectrum disorder (ASD)            | IQB – Research Center for Cellular Dynamics                   |
| Structural Biology                     | Professor           | Masahide Kikkawa        | Cell biology of epithelium using cryo-electron tomography                               | Cell Biology and Anatomy                                      |
|  | Associate Professor | Naoki Horikoshi         | Molecular mechanisms of chromatin organization  | IQB- Laboratory of Chromatin Structure and Function           |
|  | Associate Professor | Yoshihiro Kita          | Lipid Biochemistry, Lipidomics  | Life Sciences Core Facility                                   |
| Molecular Biology                      | Professor           | Noboru Mizushima        | Molecular mechanisms and physiological roles of autophagy                               | Biochemistry and Molecular Biology                            |
|  | Professor           | Shinya Kuroda           | Systems Biology, Trans(Multi)-Omics, Metabolic homeostasis and diseases                 | Graduate School of Science, Department of Biological Sciences |
|  | Professor           | Takashi Okada           | Gene and cell therapy, Virus vectors, Molecular pathogenesis of neuromuscular disorders | IMSUT –Molecular and Medical Genetics                         |
|  | Associate Professor | Ikuko Honda             | Autophagy, Intracellular organelle dynamics, fluorescence microscopy, CLEM              | Biochemistry and Molecular Biology                            |
| Genome Informatics                     | Professor           | Yukinori Okada          | large-scale genomics, statistical genetics, bioinformatics                              | Biochemistry and Molecular Biology                            |
|  | Professor           | Katsuhiko Shirohige     | Genome Structure and Function   | IQB – Laboratory of Genome Structure and Function             |
|  | Associate Professor | Takashi Sutani          | Structure and function of nuclear DNA, Bioinformatics                                   | IQB – Laboratory of Genome Structure and Function             |
|  | Associate Professor | Ryuichiro Nakato        | Data-driven computational genomics, 3D genome structure, Single-cell analysis           | IQB – Laboratory of Computational Genomics                    |
| Physiological Chemistry and Metabolism | Professor           | Makoto Murakami         | Biology of lipid metabolism in health science   | CDBIM – Microenvironmental and Metabolic Health Sciences      |
|  | Professor           | Youichiro Wada          | Chromatin dynamics, vascular biology, development of nuclear medicine                   | Isotope Science Center  |
|  | Project Professor   | Yoshiya Oda             | Proteomics, Metabolomics, Analytical Chemistry  | Department of Lipidomics                                      |
| Advanced Structural Studies            | Professor           | Danev Radostin Stoyanov | Structural biology of molecules and cells by cryo-electron microscopy                   | Cell Biology and Anatomy                                      |
| Molecular Biomedicine for Pathogenesis |                     |                         |   |   |

|                             |                      |                  |  |   |
|-----------------------------|----------------------|------------------|--|---|
| Biomedical Chemistry        | Professor            | Tomoyoshi Nozaki | Membrane traffic, phagocytosis, trogocytosis, and pathogenesis of infectious diseases            | International Biomedical Sciences       |
| Clinical Genome informatics | Coordinate Professor | Norihiro Kato    | Medical genomics including genomics of multi-factorial disease                                   | Department of Genome informatics        |
| Medical Lipid Science       | Coordinate Professor | Hideo Shindou    | Lipid biochemistry, Lipid biology, Relationship between Cellular membrane diversity and function | Department of Medical Lipid Science     |
| Cancer Cellular Signaling   | Coordinate Professor | Akihide Yoshimi  | Molecular oncology, Oncogene, Cancer genomics  | Department of Cancer Cellular Signaling |

### Functional Biology

| Major Field of Study                | Faculty                        |                    | Research Fields   | Affiliation (Department)         |
|-------------------------------------|--------------------------------|--------------------|---|----------------------------------|
| Integrative Physiology              | Professor                      | Kenichi Ohki       | Neural circuits and information processing in visual cortex, two-photon calcium imaging | Physiology                       |
|                                     | Professor                      | Takamitsu Watanabe | Psychiatry, higher-order cognition, MRI, TMS, TUS, EEG, human, data-driven approach     | IRCN                             |
| Cellular and Molecular Physiology   | Professor                      | Masanori Matsuzaki | Prefrontal cortex, decision making, motor learning, BMI                                 | Physiology                       |
| Neurophysiology                     |                                |                    |   | Physiology                       |
| Cellular and Molecular Pharmacology | Professor                      | Kenzo Hirose       | Principles of neuronal functions, cell physiology, pharmacology, chemical biology       | Pharmacology                     |
| Systems Pharmacology                | Professor                      | Hiroki Ueda        | Systems and synthetic biology of sleep-wake cycles                                      | Pharmacology                     |
|                                     | Associate Professor            | Koji Ode           | Protein science of sleep-wake cycles  | Pharmacology                     |
| Structural Physiology               |                                |                    |   |                                  |
| Brain Functional Dynamics           | Coordinate Associate Professor | Aya Ito-Ishida     | Functional dynamics of postnatal development and neurological disorders in childhood    | RIKEN- Brain Functional Dynamics |

### Pathology, Immunology and Microbiology

| Major Field of Study               | Faculty           |                    | Research Fields  | Affiliation (Department)                      |
|------------------------------------|-------------------|--------------------|--|---|
| Pathology and Diagnostic Pathology | Professor         | Tetsuo Ushiku      | Gastrointestinal pathology, diagnostic pathology   | Pathology                                     |
|                                    | Professor         | Tappei Takada      | Clinical Pharmacology, Clinical Pharmacokinetics, Lifestyle-related Diseases and Transporters            | Pharmaceutical                                |
|                                    | Project Professor | Daizo Koinuma      | Research on signal transduction mechanism. Transcriptome analysis.                                       | Pathology                                     |
| Molecular Pathology                | Professor         | Yasuhiro Yamada    | Dissecting epigenetic regulation in mammalian development and diseases                                   | Pathology                                     |
|                                    | Professor         | Yoichi Furukawa    | Elucidation of cancer development and progression mechanisms, genome analysis                            | IMSUT – The Advanced Clinical Research Center |
|                                    | Professor         | Yuji Yamanashi     | Intracellular signal transduction mechanism and molecular pathogenesis of disease caused by its collapse | IMSUT – Genetics                              |
|                                    | Professor         | Tatsuhiko Shibata  | Genomic understanding of human disease   | IMSUT-The Human Genome Center                 |
|                                    | Professor         | Mutsuhiro Takekawa | Regulatory mechanisms of cellular signaling pathways and their abnormalities in diseases                 | IMSUT–Cell Signaling & Molecular              |

|                                  |                             |                       |  |   |
|----------------------------------|-----------------------------|-----------------------|--|---|
|                                  |                             |                       |  | Medicine  |
|                                  | Professor                   | Emi Nishimura         | Stem cell aging study for tissue regeneration  | IMSUT—Aging and Regeneration                                |
|                                  | Professor                   | Satoshi Yamazaki      | Application of stem cell regulation research to cell therapy and gene therapy              | IMSUT—Cell Regulation                                       |
|                                  | Professor                   | Hirohide Saito        | Synthetic Biology, RNA Engineering, Cell-fate Control                                      | IQB - RNP Synthetic Biology and Biotechnology               |
|                                  | Associate Professor         | Yosuke Yamada         | Thymic pathology, Experimental pathology   | Pathology   |
|                                  | Associate Professor         | Akane Yamauchi        | Cellular signal transduction mechanism and its dysregulation in diseases                   | IMSUT—Genetics  |
|                                  | Associate Professor         | Taeko Kobayashi       | Adult neural stem cells and their quiescence regulation by proteostasis                    | IMSUT—Protein Metabolism                                    |
| Surgical Pathology               | Professor                   | Hideki Taniguchi      | Regenerative medicine and transplantation surgery  | IMSUT – Regenerative Medicine                               |
| Microbiology                     | Professor                   | Makoto Takeda         | Pathogenicity of respiratory viruses   | Microbiology  |
|                                  | Associate Professor         | Hiroshi Kato          | Host-virus interaction in paramyxovirus infection  | Microbiology  |
|                                  | Associate Professor         | Takeshi Ichinohe      | Regulation of immune responses to influenza virus infection                                | IMSUT—International Research Center for Infectious Diseases |
| Infection Control and Prevention | Professor                   | Takeya Tsutsumi       | Molecular mechanism of pathogenesis in hepatitis virus infection                           | Microbiology  |
|                                  | Professor                   | Yasushi Kawaguchi     | Research on mechanisms involved in the development of herpesviral pathogenicity            | IMSUT – Molecular Virology                                  |
|                                  | Professor                   | Kei Sato              | Systems virology and experimental virology   | IMSUT – Systems Virology                                    |
| Immunology                       | Professor                   | Hiroshi Takayanagi    | Research on pathogenesis of autoimmune diseases and osteoimmunology                        | Immunology  |
|                                  | Professor                   | Atsushi Iwama         | Epigenetics of hematopoietic stem cells and hematopoietic malignancies                     | IMSUT –Stem Cell and Molecular Medicine                     |
|                                  | Professor                   | Ken Ishii             | Basic and clinical studies of vaccine  | IMSUT – Vaccine Science                                     |
|                                  | Professor                   | Reiko Shinkura        | Interaction of mucosal IgA and gut microbiota, Mechanism of immunoglobulin diversification | IQB – Immunology and Infection Control                      |
|                                  | Professor                   | Taku Okazaki          | Molecular and cellular biology of autoimmunity and cancer immunity                         | IQB – Molecular Immunology                                  |
|                                  | Professor                   | Cevayir Coban         | Host-pathogen interactions   | IMSUT – Division of Malaria Immunology                      |
|                                  | Associate Professor         | Tokiko Nagamura-Inoue | Immunology and regenerative medicine of cord blood and cord-derived cells                  | IMSUT – Cell Processing and Transfusion                     |
|                                  | Associate Professor         | Il-mi Okazaki         | Molecular and cellular biology of autoimmunity and cancer immunity                         | IQB – Molecular Immunology                                  |
|                                  | Project Associate Professor | Michio Miyajima       | Crosstalk between the immune and nervous systems   | Donated Fund Laboratory of Osteoimmunology                  |
| Animal Resources                 | Professor                   | Atsu Aiba             | Mouse molecular genetics, molecular neurobiology   | CDBIM – Animal Resources                                    |
| Tumor Pathology                  | Coordinate Professor        | Yasushi Yatabe        | Molecular mechanisms of thoracic malignancies  | National Cancer Center                                      |
| Molecular Oncology               | Coordinate Professor        | Toru Hirota           | Mechanisms of chromosome instability in cancer cells                                       | The Cancer Institute of JFCR                                |
| Infection Pathology              | Coordinate Professor        | Yoshimasa Takahashi   | Pathogen and host studies for regulating infectious diseases                               | National Institute of Infectious Diseases                   |

| Major Field of Study                   | Faculty                     |                   | Research Fields   | Affiliation (Department)                   |
|--|-----------------------------|-------------------|---|--|
| Diagnostic Radiology                   | Professor                   | Osamu Abe         | Diagnostic Radiology (CT, MRI, neuroradiology)  | Radiology                                  |
|  | Associate Professor         | Shouhei Hanaoka   | Diagnostic Radiology (CT, MRI, body trunk diagnostic radiology, medical image analysis)   | Radiology                                  |
| Radiotherapy                           | Associate Professor         | Hideomi Yamashita | Therapeutic radiology, radiation oncology, radiotechnology, palliative medicine   | Radiology                                  |
| Nuclear Medicine                       | Associate Professor         | Hidemasa Takao    | Nuclear medicine (PET, SPECT, central nervous system), Radioimmunotherapy(RIT)  | Radiology                                  |
| System Physiology                      | Associate Professor         | Kimiko Yamamoto   | Mechanobiology, biomechanics, circulatory physiology  | Biomedical Engineering                     |
| Chemical Biology and Molecular Imaging | Professor                   | Yasuteru Urano    | Chemical biology (fluorescence-, sensitizer-, and luminescence-based probes)<br>Molecular imaging, In vivo tumor imaging and therapy                      | Graduate School of Pharmaceutical Sciences |
|  | Associated Professor        | Ryosuke Kojima    | Synthetic biology (engineering cells and extracellular vesicles), Chemical Biology (fluorescence probes), protein engineering, cancer imaging and therapy | Biomedical Engineering                     |
| Biosystem Construction and Control     |                             |                   |   |  |
| Molecular Radiology                    | Associate Professor         | Noriko Hosoya     | Radiobiology, oncology  | CDBIM – Molecular Radiology                |
| Biomaterials and Medical devices       | Professor                   | Taichi Ito        | Biomaterials, Hydrogels, Particles, Tissue engineering, Drug delivery   | CDBIM – Biomaterials and Medical devices   |
|  | Professor                   | Kanako Harada     | Biomedical devices, Surgical robots, Surgical skill assessment  | CDBIM – Biomaterials and Medical devices   |
| Integrative Genomics                   | Professor                   | Katsutoshi Oda    | Genome analysis, Oncology, Molecular targeted therapy   | Biomedical Engineering                     |
|  | Associate Professor         | Aya Ushiku        | Genome analysis, Oncology, Pathology  | Biomedical Engineering                     |
|  | Project Associate Professor | Kousuke Watanabe  | Cancer Genomic Medicine, Pulmonary Medicine, Laboratory Medicine  | Next-Generation Precision Medicine         |

## Neuroscience

| Major Field of Study         | Faculty                     |                    | Research Fields   | Affiliation (Department)                    |
|------------------------------|-----------------------------|--------------------|---|---|
| Neuropathology               | Professor                   | Takashi Saito      | Dementia, Neurodegenerative disorders, Brain-Peripheral interaction                                     | Basic Neuroscience                          |
|                              | Project Associate Professor | Kaoru Yamada       | Neuropathology  | Dementia Inclusion and Therapeutics         |
| Neurochemistry               | Professor                   | Haruhiko Bito      | Molecular mechanisms underlying long-term memory storage and plasticity, signal transduction of neurons | Basic Neuroscience                          |
| Neurobiology                 |                             |                    |   | Basic Neuroscience                          |
| Developmental Neuroscience   |                             |                    |   |   |
| Cognitive Neuroscience       |                             |                    |   |   |
| Systems Medical Neuroscience |                             |                    |   |   |
| Sensory Motor Neuroscience   | Professor                   | Kenji Kondo        | Rhinology, olfaction, facial nerve  | Otorhinolaryngology and Head & Neck Surgery |
|                              | Associate Professor         | Akinori Kashio     | Otology, audiology, cochlear implant  | Otorhinolaryngology and Head & Neck Surgery |
| Neuropsychiatry              | Professor                   | Kiyoto Kasai       | Clinical psychiatry, neuroimaging, clinical neurophysiology   | Clinical Neuroscience                       |
|                              | Project Professor           | Yukie Nagai        | Cognitive developmental robotics, computational neuroscience, assistive technologies for neurodiversity | IRCN  |
|                              | Associate Professor         | Naohiro Okada      | Clinical psychiatry, neuroimaging   | Clinical Neuroscience                       |
|                              | Associate Professor         | Yoshihiro Satomura | Psychiatry  | Clinical Neuroscience                       |

|  |                                |                   |  |  |
|--|--------------------------------|-------------------|--|--|
|  | Associate Professor            | Zenas C. Chao     | Cognitive neuroscience, computational neuroscience, brain-computer interface                 | IRCN   |
| Neurology                                    | Associate Professor            | Wataru Satake     | Neurology, Genetics, Neuroscience, Molecular Biology, Clinical Epidemiology                  | Clinical Neuroscience                              |
|  | Associate Professor            | Tomotaka Yamamoto | Neurology  | Clinical Neuroscience                              |
|  | Project Associate Professor    | Yoshiki Niimi     | Neurology, Dementia, Medical policy  | Dementia Inclusion and Therapeutics                |
|  | Project Associated Professor   | Jun Mitsui        | Neurology, Genetics, Clinical Trial  | Precision Medicine Neurology                       |
| Neurosurgery                                 | Professor                      | Nobuhito Saito    | Neurosurgery, basic research on cerebrovascular disorders, research on brain tumors          | Clinical Neuroscience                              |
|  | Associate Professor            | Miyawaki Satoru   | Neurosurgery, genomics of cerebrovascular diseases and benign brain tumors                   | Clinical Neuroscience                              |
|  | Project Professor              | Taichi Kin        | Medical image processing, surgical simulation, medical information processing                | Medical Information Engineering                    |
| Child Neuropsychiatry                        | Professor                      | Shinsuke Koike    | Child and Adolescent Psychiatry, Neuroimaging, Adolescent Development                        | Integrative Medical Neuroscience                   |
| Biomedical Neural Dynamics                   | Coordinate Professor           | Masanori Murayama | Toward understanding circuit mechanisms of somatosensory perception and memory consolidation | RIKEN-Biomedical Neural Dynamics                   |
| Brain Medicine and Experimental Therapeutics | Coordinate Associate Professor | Tatsuo Mano       | Data-driven approach to neurodegenerative diseases   | NCNP- Brain Medicine and Experimental Therapeutics |

#### Social Medicine

| Major Field of Study                               | Faculty             |                   | Research Fields   | Affiliation (Department)   |
|--|---------------------|-------------------|---|--|
| Preventive Medicine                                | Professor           | Shumpei Ishikawa  | Preventive medicine, genomics, bioinformatics, machine learning   | Occupational, Environmental and Preventive Medicine              |
| Public Health                                      | Professor           | Takahiro Higashi  | Health services research, health policy and management, quality of care, survey research  | Occupational, Environmental and Preventive Medicine              |
|  | Associate Professor | Haruhiko Inada    | Epidemiology, injury prevention, health policy, program evaluation  | Occupational, Environmental and Preventive Medicine              |
| Forensic Medicine                                  | Professor           | Yohsuke Makino    | Forensic radiology, Forensic pathology  | Forensic Medicine  |
|  | Associate Professor | Suguru Torimitsu  | Forensic radiology, Forensic pathology, Forensic anthropology   | Forensic Medicine  |
| Biomedical Informatics                             | Professor           | Yoshimasa Kawazoe | Medical Information Systems, Medical Data Analysis, AI in Medicine, NLP in Medicine   | Biomedical Informatics   |
| Microenvironmental and Metabolic Health Sciences   | Professor           | Makoto Murakami   | Biology of lipid metabolism in health science   | CDBIM – Microenvironmental and Metabolic Health Sciences         |
| (Health Communication)                             | Professor           | Takahiro Kiuchi   | Health Communication, medical information network   | Public Health – Health Communication                             |
|  | Associate Professor | Tsuyoshi Okuhara  | Health Communication, behavior change   | Public Health – Health Communication                             |
| (Health and Behavioral Informatics & Therapeutics) | Professor           | Kayo Waki         | digital health, health information management, disease self-management and treatment  | Public Health – Health and Behavioral Informatics & Therapeutics |
| (Clinical Epidemiology and Health Economics)       | Professor           | Hideo Yasunaga    | Clinical epidemiology, designing clinical research, large healthcare database, causal inference, health economics, health technology assessment | Public Health – Clinical Epidemiology and Health Economics       |
|  | Associate Professor | Hiroki Matsui     | Clinical epidemiology, designing clinical research, large healthcare database, causal inference, health economics, machine learning             | Public Health – Clinical Epidemiology and Health Economics       |

|   |                      |                  |   |   |
|---|----------------------|------------------|---|---|
| (Social and Preventive Epidemiology)    | Professor            | Kentaro Murakami | Nutritional epidemiology, behavioral nutrition, public health nutrition                                 | Public Health—Social and Preventive Epidemiology      |
| (Mental Health)                         | Professor            | Daisuke Nishi    | Public mental health, Mental Health Epidemiology, Perinatal Mental Health, Traumatic stress, Resilience | Public Health – Mental Health                         |
| (Health and Social Behavior)            | Professor            | Hideki Hashimoto | Health sociology, health education and communication, social determinants of health                     | Public Health—Health and Social Behavior              |
|   | Associate Professor  | Keiko Murakami   | Health sociology, social epidemiology   | Public Health—Health and Social Behavior              |
| (Health Sociology and Health Education) | Associate Professor  | Masamitsu Kamada | Physical activity epidemiology, behavior change interventions and policies, social marketing            | Public Health - Health Sociology and Health Education |
| (Biomedical Ethics)                     | Professor            | Eisuke Nakazawa  | Public health ethics, Biomedical ethics, Research ethics, Neuroethics                                   | Public Health—Biomedical Ethics                       |
| Cancer Epidemiology                     | Coordinate Professor | Tomotaka Ugai    | Integrative cancer research, Molecular epidemiology, Descriptive epidemiology, Cancer epidemiology      | National Cancer Center                                |

### Internal Medicine

| Major Field of Study    | Faculty                     |                     | Research Fields   | Affiliation (Department)                                    |
|-------------------------|-----------------------------|---------------------|---|---|
| Cardiovascular Medicine | Professor                   | Norihiko Takeda     | Cardiology  | Internal Medicine   |
|                         | Project Professor           | Eisuke Amiya        | Cardiology  | Advanced Medical Center for Heart Failure                   |
|                         | Project Associate Professor | Hidehiro Kaneko     | Cardiology  | Department of Advanced Cardiology                           |
|                         | Project Associate Professor | Seitaro Nomura      | Cardiovascular Medicine, Precision Cardiology   | Department of Frontier Cardiovascular Science               |
| Vascular Biology        |                             |                     |   |   |
| Respiratory Medicine    | Professor                   | Hidenori Kage       | Respiratory Medicine  | Internal Medicine   |
| Gastroenterology        | Professor                   | Mitsuhiro Fujishiro | Gastroenterology, Gastrointestinal endoscopy  | Internal Medicine   |
|                         | Professor                   | Narikazu Boku       | Gastroenterology, Gastrointestinal oncology   | IMSUT – Oncology and General Medicine                       |
|                         | Professor                   | Hiroaki Ikematsu    | Gastroenterology, Gastrointestinal endoscopy  | IMSUT – Division of Advanced Gastroenterology and Endoscopy |
|                         | Associate Professor         | Nobutake Yamamichi  | Gastroenterology, Gastrointestinal endoscopy, Preventive medicine, Molecular oncology | Preventive Medicine Center                                  |
|                         | Associate Professor         | Hideaki Ijichi      | Gastroenterology, Clinical nutrition therapy  | Department of Clinical Nutrition Therapy                    |
|                         | Associate Professor         | Yoshihiro Hirata    | Gastroenterology, Genome Medicine   | IMSUT – Advanced Genome Medicine                            |
|                         | Associate Professor         | Ryosuke Tateishi    | Gastroenterology, Hepatology  | Internal Medicine   |
| Nephrology              | Professor                   | Masaomi Nangaku     | Nephrology, renal replacement therapy, regulation of erythropoietin, oxygen biology   | Internal Medicine   |
|                         | Associate Professor         | Hiroshi Nishi       | Nephrology, Leukocyte biology, Clinical epidemiology                                  | Internal Medicine   |
| Endocrinology           | Professor                   | Masaomi Nangaku     | Endocrinology, hypertension, renin-angiotensin-aldosterone system                     | Internal Medicine   |
|                         | Associate Professor         | Noriko Makita       | Endocrinology, hypertension   | Internal Medicine   |

|  |                             |                         |   |   |
|--|-----------------------------|-------------------------|---|---|
| Nutrition and Metabolism                   | Professor                   | Toshimasa Yamauchi      | Diabetes, metabolism and nutrition, genomics and epigenomics of diabetes, exercise · sportology | Internal Medicine   |
|  | Associate Professor         | Nobuhiro Shojima        | Diabetes, metabolism and nutrition, genomics of diabetes  | Internal Medicine   |
|  | Project Associate Professor | Ken Suzuki              | Diabetes, metabolism and nutrition, statistical genetics, computational biology                 | Laboratory for Advanced Research on Pathophysiology of Metabolic Diseases |
| Hematology and Oncology                    | Professor                   | Mineo Kurokawa          | Hematopoietic malignancies, hematopoietic stem cells, clinical hematology/oncology              | Internal Medicine   |
|  | Professor                   | Fumitaka Nagamura       | Oncologic drugs development and translational research  | IMSUT– Advanced Medicine Promotion  |
|  | Professor                   | Susumu Goyama           | Hematopoietic Malignancies, Molecular Oncology  | Graduate School of Frontier Sciences                                      |
|  | Professor                   | Yasuhito Nannya         | Hematopoietic Malignancies, Genomic Oncology  | IMSUT-Hematopoietic Disease Control                                       |
|  | Associate Professor         | Kazuaki Yokoyama        | Hematopoietic Malignancies, Clinical Hematology   | IMSUT - Hematology & Oncology   |
| Allergy and Rheumatology                   | Professor                   | Keishi Fujio            | Clinical immunology, immunopathogenesis of autoimmune diseases                                  | Internal Medicine   |
|  | Associate Professor         | Motohisa Yamamoto       | Clinical immunology and research on immune-mediated diseases                                    | IMSUT – Rheumatology  |
| Infectious Diseases                        | Professor                   | Takeya Tsutsumi         | Infectious diseases, viral hepatitis, HIV infection   | Internal Medicine   |
|  | Associate Professor         | Shu Okugawa             | Infectious diseases, bacterial infection  | Internal Medicine   |
| Stress Sciences and Psychosomatic Medicine | Associate Professor         | Kazuhiro Yoshiuchi      | Stress sciences and psychosomatic medicine, behavioral medicine                                 | Internal Medicine   |
| Clinical Laboratory Medicine               | Professor                   | Makoto Kurano           | Laboratory medicine, bioactive lipids, mass spectrometry  | Clinical Laboratory Medicine and Pathology                                |
| Transfusion Medicine                       | Professor                   | Yosuke Masamoto         | Hematopoietic malignancies, clinical hematology/oncology  | Clinical Laboratory Medicine and Pathology                                |
| Clinical Biotechnology                     | Professor                   | Yuichi Tei/Ung-il Chung | Skeletal biology and regenerative medicine, biomaterials science                                | Engineering – Bioengineering  |
| Medical Education Studies                  | Professor                   | Masato Eto              | Medical Education, Medical Simulation   | IRCME   |

### Reproductive, Developmental and Aging Science

| Major Field of Study                     | Faculty             |                  | Research Fields   | Affiliation (Department)  |
|--|---------------------|------------------|---|---------------------------|
| Reproductive Endocrinology               | Professor           | Yasushi Hirota   | Reproductive endocrinology, reproductive medicine, women's health science, gynecological minimally invasive surgery | Obstetrics and Gynecology |
| Perinatal Medicine                       | Professor           | Yasushi Hirota   | Maternal–fetal medicine, reproductive medicine, women's health science  | Obstetrics and Gynecology |
|  | Associate Professor | Keiichi Kumazawa | Maternal–fetal medicine, reproductive medicine  | Obstetrics and Gynecology |
|  | Associate Professor | Takayuki Iriyama | Maternal–fetal medicine, fetal genetics, fetal ultrasound diagnostics   | Obstetrics and Gynecology |
| Molecular Cellular Reproductive Medicine | Professor           | Miyuki Harada    | Reproductive endocrinology, reproductive medicine, gynecological minimally invasive surgery, fertility preservation | Obstetrics and Gynecology |
| Pediatrics                               | Professor           | Motohiro Kato    | Pediatrics, Pediatric Hematology/Oncology, Genomic medicine   | Pediatric Sciences        |
|  | Associate Professor | Yutaka Harita    | Pediatrics, Pediatric Nephrology  | Pediatric Sciences        |
|  | Associate Professor | Akio Ishiguro    | Pediatrics, Neonatology   | Pediatric Sciences        |

|   |                                |               |  |  |
|---|--------------------------------|---------------|--|--|
| Pediatric Surgery                       | Professor                      | Jun Fujishiro | General pediatric surgery, neonatal surgery, pediatric endoscopic surgery                            | Pediatric Sciences                               |
| Pediatric Oncology                      | Professor                      | Motohiro Kato | Pediatrics, Pediatric Hematology/Oncology, Genomic medicine  | Pediatric Sciences                               |
| Geriatrics                              | Professor                      | Sumito Ogawa  | Geriatric medicine, endocrinology, bone metabolism, arteriosclerosis, dementia, sarcopenia           | Aging Sciences                                   |
|   | Professor                      | Masato Eto    | Geriatric medicine, geriatric cardiology, arteriosclerosis, thrombosis, vascular biology, sarcopenia | Aging Sciences                                   |
| Aging Research                          |                                |               |  |  |
| Health Policy for Children and Families | Coordinate Associate Professor | Naho Morisaki | Perinatal/Pediatric Epidemiology and Health Policy Research  | National Center for Child Health and Development |

### Surgical Science

| Major Field of Study                 | Faculty                     |                     | Research Fields  | Affiliation (Department)          |
|--------------------------------------|-----------------------------|---------------------|--|-----------------------------------|
| Thoracic Surgery                     | Professor                   | Masaaki Sato        | Thoracic Surgery, Lung Transplantation   | Surgery                           |
| Cardiovascular Surgery               | Professor                   | Minoru Ono          | Adult cardiac surgery, heart transplantation, ventricular assist device  | Surgery                           |
|                                      | Project Professor           | Jun Yamashita       | Cardiac regeneration, stem cells, extracellular vesicle  | Surgery                           |
|                                      | Associate Professor         | Haruo Yamauchi      | Cardiac surgery  | Surgery                           |
|                                      | Associate Professor         | Masahiko Ando       | Cardiac Surgery  | Surgery                           |
|                                      | Project Associate Professor | Hiroyuki Yamamoto   | Clinical epidemiology using healthcare big data, Health service research, Surgical quality improvement             | Surgery                           |
| Gastrointestinal Surgery             | Professor                   | Yoshifumi Baba      | Gastrointestinal Surgery   | Surgery                           |
|                                      | Associate Professor         | Koichi Yagi         | Gastrointestinal Surgery   | Surgery                           |
| Hepatobiliary Pancreatic Surgery     | Professor                   | Kiyoshi Hasegawa    | Hepatobiliary-pancreatic surgery   | Surgery                           |
|                                      | Associate Professor         | Yoshikuni Kawaguchi | Hepatobiliary-pancreatic surgery   | Surgery                           |
|                                      | Associate Professor         | Takeshi Takamoto    |  | Surgery                           |
| Urology                              | Professor                   | Haruki Kume         | Urologic surgery, endoscopic surgery, robotic surgery, renal failure, voiding dysfunction, urinary tract infection | Surgery                           |
|                                      | Associate Professor         | Yuta Yamada         | Urologic surgery, endoscopic surgery, robotic surgery  | Surgery                           |
| Artificial Organ and Transplantation | Professor                   | Kiyoshi Hasegawa    | Liver transplantation, tissue transplantation  | Surgery                           |
|                                      | Associate Professor         | Nobuhisa Akamatsu   | Liver transplantation, tissue transplantation  | Surgery                           |
| Surgical Oncology                    | Professor                   | Soichiro Ishihara   | Gastrointestinal surgery (large intestine), Inflammatory bowel disease   | Surgery                           |
|                                      | Professor                   | Dai Shida           | Gastrointestinal surgery (large intestine)   | IMSUT – Surgery                   |
|                                      | Associate Professor         | Hiroaki Nozawa      | Gastrointestinal surgery (large intestine), Inflammatory bowel disease   | Surgery                           |
| Vascular Surgery                     | Associate Professor         | Katsuyuki Hoshina   | Vascular surgery   | Surgery                           |
| Breast and Endocrine Surgery         | Associate Professor         | Masahiko Tanabe     | Breast and endocrine surgery   | Surgery                           |
| Dermatology                          | Associate Professor         | Sayaka Shibata      | Psoriasis, Atopic dermatitis, Skin immunity, Epigenetics   | Sensory and Motor System Medicine |

|   |                             |                   |  |                                       |
|---|-----------------------------|-------------------|--|---------------------------------------|
|   | Associate Professor         | Hayakazu Sumida   | Collagen diseases, Scleroderma, Skin immunity  | Sensory and Motor System Medicine     |
| Plastic and Reconstructive Surgery                | Professor                   | Mutsumi Okazaki   | Facial Paralysis, Microsurgery, Wounds Healing   | Sensory and Motor System Medicine     |
|   | Associate Professor         | Shimpei Miyamoto  | Microsurgery, Head and Neck Reconstruction, Breast Reconstruction, Limb Reconstruction             | Sensory and Motor System Medicine     |
| Oral and Maxillofacial Surgery                    | Professor                   | Kazuto Hoshi      | Oral surgery, bone and cartilage biology, regenerative medicine                                    | Sensory and Motor System Medicine     |
|   | Project Professor           | Atsuhiko Hikita   | Bone and cartilage biology, Regenerative medicine, Tissue engineering                              | Clinical stem cell biology            |
|   | Project Associate Professor | Sachiko Ono       | Clinical Epidemiology, Dental Epidemiology   | Eat-loss Medicine                     |
| Orthopaedic Surgery                               | Professor                   | Sakae Tanaka      | Joint surgery, rheumatoid arthritis, bone metabolism   | Sensory and Motor System Medicine     |
|   | Associate Professor         | Taku Saito        | Osteoarthritis, Osteoporosis, Bone and cartilage biology, Stem cell biology, Regenerative medicine | Sensory and Motor System Medicine     |
|   | Associate Professor         | Yasushi Oshima    | Spinal disorders, Osteoporosis, Biomechanics, Pain   | Sensory and Motor System Medicine     |
| Ophthalmology                                     | Associate Professor         | Megumi Honjo      | Glaucoma, Neurobiochemistry, Ocular Pharmacology   | Sensory and Motor System Medicine     |
|   | Associate Professor         | Takashi Miyai     | Corneal transplantation, Corneal topography, Regenerative medicine, Genomic medicine               | Sensory and Motor System Medicine     |
|   | Associate Professor         | Takashi Ueda      |  | Sensory and Motor System Medicine     |
| Otorhinolaryngology and Head & Neck Surgery       | Professor                   | Kenji Kondo       | Rhinology, Olfaction, Facial nerve   | Sensory and Motor System Medicine     |
|   | Associate Professor         | Yuki Saito        | Head and neck oncology   | Sensory and Motor System Medicine     |
|   | Associate Professor         | Akinori Kashio    | Othology, audiology, cochlear implant  | Sensory and Motor System Medicine     |
|   | Associate Professor         | Rumi Ueha         | Phoniatrics, Swallowing disorder, Tracheoesophagology, Olfactory Disorder                          | Sensory and Motor System Medicine     |
| Rehabilitation Medicine                           | Professor                   | Toru Ogata        | Locomotive rehabilitation, Neurobiochemistry, Disability Science                                   | Sensory and Motor System Medicine     |
|   | Associate professor         | Sayaka Fujiwara   | Pediatric rehabilitation, Prosthetics and Orthotics, Sports medical science                        | Department of Rehabilitation Medicine |
| Anesthesiology                                    | Professor                   | Kanji Uchida      | Anesthesiology, vital care medicine, sepsis, postoperative innate immunity                         | Vital Care Medicine                   |
|   | Associate Professor         | Masahiko Sumitani | Pain Medicine, Palliative Medicine, Anesthesiology Affiliation                                     | Vital Care Medicine                   |
| Emergency and Critical Care Medicine              | Professor                   | Kento Doi         | Emergency and Critical Care Medicine Sepsis, multiple organ failure                                | Vital Care Medicine                   |
| Operating room management and surgical metabolism | Professor                   | Kazuhiko Fukatsu  | Surgical nutrition and metabolism, surgical infection, shock, gut immunity                         | Surgical Center                       |
| Palliative Medicine                               | Associate Professor         | Masahiko Sumitani | Pain Medicine, Palliative Medicine, Anesthesiology Affiliation                                     | Vital Care Medicine                   |

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