

## The list of supervisors/laboratories in the Graduate School of Medicine

Last Revised November.  
2023

- “Graduate students holding jobs” can only belong to the laboratory marked with ☆.
- Laboratories without supervisor’s names do not accept graduate students now.
- Applicants for the laboratory specified by a mark(※) have to have interviews with both of two supervisors.

\* This list is a translation from the original and shall not be regarded as official documentation. The English text has been provided merely as a reference. Please note that any official information are based solely on the Japanese text.

### Main, Collaborating Institutes

| Department                         | Research field (Name of Laboratory)              | Supervisor  |                            |
|------------------------------------|--|---|----------------------------|
| Anatomy                            | ◇ Neuroscience and Cell Biology                  |   |                            |
|                                    | ◇ Anatomy and Neuroscience                       |   |                            |
|                                    | ◇ ☆ ● Cell Biology                               | HARADA Akihiro Professor                                    |                            |
| Physiology                         | ◇ ☆ ● Molecular Neuroscience                     | YAMASHITA Toshihide Professor                               |                            |
|                                    | ◇ ● Brain Physiology                             | KITAZAWA Shigeru Professor                                  |                            |
| Biochemistry and Molecular Biology | ◇ ☆ ● Integrative Physiology                     | OKAMURA Yasushi Professor                                   |                            |
|                                    | ◇ Molecular Biology and Biochemistry             |   |                            |
|                                    | ◇ Medical Biochemistry                           | TAKASHIMA Seiji Professor                                   |                            |
|                                    | ◇ ☆ ● Tissue Biochemistry                        | TSUMAKI Noriyuki Professor                                  |                            |
| Pathology                          | ◇ ☆ ● Genetics                                   |   |                            |
|                                    | ◇ ☆ ● Histopathology                             | MORII Eiichi Professor                                      |                            |
| Pharmacology                       | ◇ Stem Cell Pathology                            |   |                            |
|                                    | ◇ Bio-system Pharmacology                        |   |                            |
|                                    | ◇ ☆ ● Division of Global Pharmacology            | HIBINO Hiroshi Professor                                    |                            |
| Social Medicine                    | ◇ ☆ ● Public Health                              | KAWASAKI Ryo Professor                                      |                            |
|                                    | ◇ Environmental Medicine and Population Sciences |   |                            |
|                                    | ◇ ☆ ● Legal Medicine                             | MATSUMOTO Hiroshi Professor                                 |                            |
|                                    | ◇ ☆ ● Biomedical Ethics and Public Policy        | KATO Kazuto Professor                                       |                            |
| Microbiology and Immunology        | ◇ ☆ ● Virology                                   |   |                            |
|                                    | ◇ ☆ ● Immune Regulation                          | TAKEDA Kiyoshi Professor                                    |                            |
|                                    | ◇ ☆ ● Immunology and Cell Biology                | ISHII Masaru Professor                                      |                            |
|                                    | ◇ Stem Cell Biology and Developmental Immunology | NAGASAWA Takashi Professor                                  |                            |
|                                    | ◇ ☆ ● Innate Immune System                       | MORO Kazuyo Professor                                       |                            |
| Genome Biology                     | ◇ Gene Therapy Science                           |   |                            |
|                                    | ◇ ☆ ● RNA Biology and Neuroscience               | KAWAHARA Yukio Professor                                    |                            |
|                                    | ◇ ☆ Statistical Genetics                         | OKADA Yukinori Professor                                    |                            |
|                                    | ◇ ☆ ● Cancer Genome Informatics                  | YACHIDA Shinichi Professor                                  |                            |
|                                    | ◇ ☆ ● Germline Genetics                          | HAYASHI Katsuhiko Professor                                 |                            |
|                                    | ◇ ☆ ● Stem Cell and Organoid medicine            | TAKEBE Takanori Professor                                   |                            |
| Health and Sport Sciences          | ◇ Cognitive and Behavioral Neuroscience          |   |                            |
|                                    | ◇ ※ ☆ Biomechanics and Motor Control             | MATSUO Tomoyuki Associate Professor<br>NAKATA Ken Professor |                            |
|                                    | ◇ ☆ ● Medicine for Sports and Performing Arts    | NAKATA Ken Professor  |                            |
|                                    | ◇ ☆ Cardiovascular Medicine                      | SAKATA Yasushi Professor                                    |                            |
| Internal Medicine                  | ◇ ☆ Metabolic Medicine                           | SHIMOMURA Ichiro Professor                                  |                            |
|                                    | ◇ ☆ Respiratory Medicine and Clinical Immunology | KUMANOGO Atsushi Professor                                  |                            |
|                                    | ◇ ☆ Geriatric and General Medicine               | ISAKA Yoshitaka Professor                                   |                            |
|                                    | ◇ ☆ Hematology and Oncology                      | HOSEN Naoki Professor                                       |                            |
|                                    | ◇ ☆ Gastroenterology and Hepatology              | TAKEHARA Tetsuo Professor                                   |                            |
|                                    | ◇ ☆ Nephrology                                   | ISAKA Yoshitaka Professor                                   |                            |
|                                    | ◇ ※ ☆ Laboratory Medicine                        | HIDAKA Yoh Associate Professor<br>ISAKA Yoshitaka Professor |                            |
|                                    | Integrated Medicine                              | ◇ ☆ Neurology   | MOCHIZUKI Hideki Professor |
|                                    |  | ◇ ☆ Psychiatry  | IKEDA Manabu Professor     |
| ◇ ☆ Pediatrics                     |  | KIMURA Tadashi Professor                                    |                            |
| ◇ ☆ Dermatology                    |  | FUJIMOTO Manabu Professor                                   |                            |
| ◇ ☆ Biomedical Statistics          |  | HATTORI Satoshi Professor                                   |                            |
| ◇ ☆ Medical Informatics            |  | TAKEDA Toshihiro Professor                                  |                            |
| Radiology                          | ◇ ☆ Diagnostic and Interventional Radiology      | TOMIYAMA Noriyuki Professor                                 |                            |
|                                    | ◇ ☆ Nuclear Medicine and Tracer Kinetics         | TOMIYAMA Noriyuki Professor                                 |                            |
|                                    | ◇ ☆ Radiation Oncology                           | OGAWA Kazuhiko Professor                                    |                            |

| Department                          | Research field (Name of Laboratory)                          | Supervisor   |
|-------------------------------------|--|--|
| Surgery                             | ☆ Cardiovascular Surgery                                     | MIYAGAWA Shigeru Professor                               |
|                                     | ☆ General Thoracic Surgery                                   | SHINTANI Yasushi Professor                               |
|                                     | ☆ Gastroenterological Surgery I                              | EGUCHI Hidetoshi Professor                               |
|                                     | ☆ Gastroenterological Surgery II                             | DOKI Yuichiro Professor                                  |
|                                     | ☆ Breast and Endocrine Surgery                               | SHIMAZU Kenzo Professor                                  |
| Acute Critical Medicine             | ☆ Pediatric Surgery  | OKUYAMA Hiroomi Professor                                |
|                                     | ☆ Anesthesiology and Intensive Care Medicine                 | FUJINO Yuuji Professor                                   |
| Organ Regulation Medicine           | ☆ Traumatology and Acute Critical Medicine                   | ODA Jun Professor  |
|                                     | ☆ Orthopaedic Surgery  | OKADA Seiji Professor                                    |
|                                     | ☆ Obstetrics and Gynecology                                  | KIMURA Tadashi Professor                                 |
| Neural and Sensory Organ Surgery    | ☆ Urology  | NONOMURA Norio Professor                                 |
|                                     | ☆ Plastic Surgery  | KUBO Tateki Professor                                    |
|                                     | ☆ Ophthalmology  | NISHIDA Koji Professor                                   |
| Pharmaceutical Information          | ☆ Otorhinolaryngology-Head and Neck Surgery                  | INOHARA Hidenori Professor                               |
|                                     | ☆ Neurosurgery   | KISHIMA Haruhiko Professor                               |
| Infection Control and Prevention    | ☆ Hospital Pharmacy  | OKUDA Masahiro Professor                                 |
| Integral Function                   | ☆ Infection Control and Prevention                           | KUTSUNA Satoshi Professor                                |
|                                     | ◇ ☆ Molecular and Developmental Biology                      | FURUKAWA Takahisa Professor                              |
|                                     | ◇ ☆ ● Advanced Brain Functions                               | HIKIDA Takatoshi Professor                               |
|                                     | ◇ Developmental Clinical Neuroscience                        | KATAYAMA Taichi Professor                                |
|                                     | ◇ ☆ Molecular Brain Science                                  | KATAYAMA Taichi Professor                                |
| Host Defense                        | ◇ ☆ Laboratory Animal Science                                | NAKAO Kazuki Professor                                   |
|                                     | ◇ ☆ Viral Infections   | SHIODA Tatsuo Professor                                  |
|                                     | ◇ ☆ Immunochemistry  | ARASE Hisashi Professor                                  |
|                                     | ◇ ☆ Molecular Virology                                       | WATANABE Tokiko Professor                                |
|                                     | ◇ ☆ Tissue Regeneration Science                              | TAKAKURA Nobuyuki Professor                              |
|                                     | ◇ ☆ Molecular Bacteriology                                   |  |
|                                     | ◇ ☆ Innate Immunity  | AKIRA Shizuo Specially Appointed Professor               |
|                                     | ◇ ☆ Cancer Biology   |  |
|                                     | ◇ ☆ Experimental Genome Research                             | IKAWA Masahito Professor                                 |
|                                     | ◇ ☆ Experimental Immunology                                  | SAKAGUCHI Shimon Specially Appointed Professor           |
|                                     | ◇ ☆ Immunoparasitology                                       | YAMAMOTO Masahiro Professor                              |
|                                     | ◇ ☆ ● Molecular Microbiology                                 | HARA Eiji Professor                                      |
|                                     | ◇ ☆ Pathogenic Bacteriology                                  | IIDA Tetsuya Professor                                   |
|                                     | ◇ ☆ Biochemistry and Immunology                              | NAGATA Shigekazu Specially Appointed Professor           |
|                                     | ◇ ☆ Lymphocyte Differentiation                               | KUROSAKI Tomohiro Specially Appointed Professor          |
|                                     | ◇ ☆ Immune Response Dynamics                                 | SUZUKI Kazuhiro Professor                                |
|                                     | ◇ ☆ ● Systems Immunology                                     | Daron M. Standley Professor                              |
|                                     | ◇ ☆ Molecular Immunology                                     | YAMASAKI Shou Professor                                  |
|                                     | ◇ ☆ Viral immunology   | KOBAYASHI Takeshi Professor                              |
|                                     | ◇ ☆ ● Medical Virology                                       | IWASAKI Masaharu Specially Appointed Associate Professor |
|                                     | ◇ ☆ Homeostatic regulation                                   | ISHITANI Toru Professor                                  |
|                                     | ◇ ☆ Molecular Protozoology                                   | IWANAGA Shiro Professor                                  |
|                                     | ◇ ☆ Human Immunology(Single Cell Genomics)                   | OKUZAKI Daisuke Specially Appointed Associate Professor  |
|                                     | ◇ ☆ Immune Homeostasis                                       | OKABE Yasutaka Specially Appointed Associate Professor   |
|                                     | ◇ ☆ ● Infection Metagenomics                                 | NAKAMURA Shota Associate Professor                       |
|                                     | ◇ ☆ Virus Control  | MATSUURA Yoshiharu Specially Appointed Professor         |
|                                     | ◇ ☆ Regulation of Host Defense                               | ISE Wataru Professor                                     |
| ◇ ☆ Microbiology and Immunology     | Kamada Nobuhiko Specially Appointed Professor                |  |
| Health Promotion Medicine           | ☆ Health Promotion and Regulation Preventive Medical Science | MORIYAMA Toshiki Professor                               |
|                                     | ☆ Mental Health Promotion                                    |  |
|                                     | ☆ Psychological Health Promotion                             | ADACHI Hiroyoshi Professor                               |
| Bioregulation and Cellular Response | ◇ ☆ Bioregulation and Cellular Response                      | NAKADA Shinichiro Professor                              |

**Affiliate Graduate Schools**

| Department                      | Research field (Name of Laboratory) | Supervisor                                   |
|---------------------------------|-------------------------------------|--|
| Clinical Gene Therapy           | ☆                                   | MORISHITA Ryuichi<br>Endowed Chair Professor |
| Stem Cell Therapy Science       |                                     | TAMAI Katsuto<br>Endowed Chair Professor     |
| Neurotherapeutics               | ☆                                   | NAGANO Seiichi<br>Endowed Chair Professor    |
| Stem Cells and Applied Medicine | ☆                                   | HAYASHI Ryuhei<br>Endowed Chair Professor    |

**Joint Research Chairs**

| Department                       | Research field (Name of Laboratory) | Supervisor   |
|----------------------------------|-------------------------------------|--|
| Medical Data Science             | ☆                                   | ISHII Hideshi<br>Specially Appointed Professor     |
| Advanced Hybrid Medicine         | ☆                                   | HAGIHARA Keisuke<br>Specially Appointed Professor  |
| Neuro-Medical Science            |                                     | YAMASHITA Toshihide<br>Professor                   |
| Neural Diagnosis and Restoration | ☆                                   | HIRATA Masayuki<br>Specially Appointed Professor   |
| Sports Medical Science           | ☆                                   | TANAKA Hiroyuki<br>Specially Appointed Professor   |
| Advanced Molecular Therapy       | ☆                                   | TANIYAMA Yoshiaki<br>Specially Appointed Professor |
| Biostatistics & Data Science     | ☆                                   | HIDA Eisuke<br>Specially Appointed Professor       |

**Endowed Chairs**

| Department                                      | Research field (Name of Laboratory)   | Supervisor                                      |
|---|---|---|
| Pediatric and Neonatal-Perinatal Research       | ☆ Osaka Women's and Children's Hospital   | MATSUO Isao<br>Professor(Guest)                 |
|   |   | YANAGIHARA Itaru<br>Professor(Guest)            |
| Oncology  | ☆ Osaka International Cancer Institute  | OOUE Masayuki<br>Professor(Guest)               |
|   |   | MIYASHIRO Isao<br>Professor(Guest)              |
|   |   | HARADA Yoichiro<br>Associate Professor(Guest)   |
|   |   | HIRATSUKA Toru<br>Associate Professor(Guest)    |
| Molecular Imaging in Cardiovascular Medicine    | ☆ National Cerebral and Cardiovascular Center   | NAKAOKA Yoshikazu<br>Professor(Guest)           |
|   |   | MOCHIZUKI Naoki<br>Professor(Guest)             |
| Cardiovascular Science                          | ☆ National Cerebral and Cardiovascular Center   | NISHINAKA Tomohiro<br>Professor(Guest)          |
| Cardiovascular Pathophysiology and Therapeutics | ☆ National Cerebral and Cardiovascular Center   | WATANABE Yusuke<br>Associate Professor(Guest)   |
|   |   | OTSU Kinya<br>Professor(Guest)                  |
| Development and Regeneration                    | ☆ RIKEN Center for Biosystems Dynamics Research   | FUKUSHIMA Satsuki<br>Professor(Guest)           |
|   |   | TAKASATO Minoru<br>Professor(Guest)             |
|   |   | FUJIWARA Hironobu<br>Associate Professor(Guest) |
| Department of Systems Biology                   | ☆ RIKEN Center for Biosystems Dynamics Research   | KIMURA Wataru<br>Professor(Guest)               |
| Allergy and Immunology                          | RIKEN Center for Integrative Medical Sciences   | UEDA Hiroki<br>Professor(Guest)                 |
|   |   | AKIYAMA Taishin<br>Professor(Guest)             |
| Cancer, Infection and Immunology                | ☆ Clinical Research Center,<br>National Hospital Organization Kinki-Chuo Chest Medical Center | MOMOZAWA Yukihide<br>Professor(Guest)           |
|   |   | TSUYUGUCHI Kazunari<br>Professor(Guest)         |
|   |   | ARAI Toru<br>Associate Professor(Guest)         |
| Virology and Immunology                         | ☆ National Institutes of Biomedical Innovation, Health and Nutrition                          | TAKIMOTO Takayuki<br>Professor(Guest)           |
|   |   | ADACHI Jun<br>Professor(Guest)                  |
| Pathogenesis and Metabolic Control              | ☆ National Institutes of Biomedical Innovation, Health and Nutrition                          | YAMAMOTO Takuya<br>Professor(Guest)             |
|   |   | KUNISAWA Jun<br>Professor(Guest)                |
| Integrated Molecular Imaging                    | ☆ National Institutes for Quantum and Radiological Science and Technology                     | YASUI Teruhito<br>Professor(Guest)              |

| Department  | Research field (Name of Laboratory)                        | Supervisor        |                            |
|---|--|-------------------|----------------------------|
| Advanced Medicine for HIV infection               | Osaka National Hospital                                    | MITA Eiji         | Professor(Guest)           |
|   |  | WATANABE Dai      | Associate Professor(Guest) |
| Epidemiology for Infectious Diseases              | National Institute of Infectious Diseases                  |                   |                            |
| Regulatory Science                                | Pharmaceuticals and Medical Devices Agency                 | MOCHIZUKI Shuichi | Professor(Guest)           |
| Innovative Cancer Medicine and Regulatory Science | National Cancer Center                                     | SHIBATA Taro      | Professor(Guest)           |
|   |  | YONEMORI Kan      | Professor(Guest)           |
| Aging Neurobiology                                | ☆ National Center for Geriatrics and Gerontology           | SATO Naoyuki      | Professor(Guest)           |
|   |  | SHINOHARA Mitsuru | Associate Professor(Guest) |
| Epidemiology and Health                           | ☆ Osaka Institute of Public Health                         |                   |                            |
| Clinical Immunopathology                          | National Hospital Organization Osaka Minami Medical Center | OHSHIMA Shiro     | Professor(Guest)           |
|   |  | HIRAO Makoto      | Associate Professor(Guest) |
|   |  | TAKAMATSU Hyota   | Associate Professor(Guest) |