

Funding Program for World-Leading Innovative R&D on Science and Technology

[Core Researcher & Research Subject]

※ ○ : Core Researcher ● : Co-Researcher

Applicant's Name	Applicant's Position	Research Subject
○Kazuyuki AIHARA	Professor, Institute of Industrial Science, The University of Tokyo	Mathematical Theory for Modelling Complex Systems and its Transdisciplinary Applications in Science and Technology
○Shizuo AKIRA	Director, WPI Immunology Frontier Research Center, Osaka University	Comprehensive understanding of immune dynamism : toward manipulation of immune responses
○Chihaya ADACHI	Professor, Center for Future Chemistry, Kyushu University	Challenges for super organic electroluminescence devices through innovation of organic semiconducting materials
○Yasuhiko ARAKAWA	Professor, Institute of Industrial Science, The University of Tokyo	Technology Development for Photonic-Electronic Integration System
●Kazumi WADA	Professor, Department of Materials Engineering, Graduate School of Engineering, The University of Tokyo	
●Takahiro NAKAMURA	Senior Manager, Nano Electronics Research Laboratories, NEC Corporation	
○Masayoshi ESASHI	Professor, The World Premier International Research Center Advanced Institute for Materials Research (WPI-AIMR), Tohoku University	Research and development of integrated microsystems
●Ryutaro MAEDA	Prime Senior Researcher, Advanced Manufacturing Research Institute (AMRI), National Institute of Advanced Industrial Science and Technology (AIST)	

○Hideo OHNO	Professor, Research Institute of Electrical Communication, Tohoku University	Research and Development of Ultra-low Power Spintronics-based Logic VLSIs
○Teruo OKANO	Director and Professor of Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University	System Integration for Industrialization of Regenerative Medicine: Creation of Organ Factory
○Hideyuki OKANO	Professor, Department of Physiology, Keio University School of Medicine.	Strategic Exploitation of Neuro-Genetics for Emergence of the Mind
●Shigeyoshi ITOHARA	Senior Team Leader, RIKEN Brain Science Institute	
●Erika SASAKI	Laboratory Head, Laboratory of Applied Developmental Biology, Marmoset research Department, Central Institute for Experimental Animals	
○Kazunori KATAOKA	Professor, Department of Materials Engineering, Graduate School of Engineering, The University of Tokyo; Division of Clinical Biotechnology, Center for Disease Biology and Integrative Medicine, Graduate School of Medicine, The University of Tokyo	Development of Innovative Diagnostic and Therapeutic Systems Based on Nanobiotechnology
●Hiroshi ISEKI	Professor, Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University	
●Takanori ICHIKI	Associate Professor, Department of Bioengineering, Graduate School of Engineering, The University of Tokyo	
●Hiromichi KIMURA	Professor, Laboratory of Pharmaco-Business Innovation, Graduate School of Pharmaceutical Science, The University of Tokyo	
●Tsuneo SAGA	Director, Diagnostic Imaging Group, Molecular Imaging Center, National Institute of Radiological Sciences	
●Tsuyoshi TAKATO	Professor, Department of Oral-Maxillofacial Surgery, Dentistry, and Orthodontics, Graduate School of Medicine, The University of Tokyo	

●Takashi FUNATSU	Professor, Department of Molecular Pharmacy, Graduate School of Pharmaceutical Science, The University of Tokyo	
●Mizuo MAEDA	Chief Scientist, Bioengineering Laboratory, RIKEN	
●Yasuhiro MATSUMURA	Director, Investigative Treatment Division, National Cancer Center, Institute East	
●Yuji MIYAHARA	Director General, Biomaterials Center, National Institute for Materials Sciences / Managing Director, Biomaterials Center, International Center for Materials Nanoarchitectonics	
●Yuh-ichiro ICHIKAWA	General Manager, Pharmaceuticals Research Laboratories, Research & Development Group, Nippon Kayaku Co., Ltd.	
●Yasuki KATO	Board of Directors, CSO / NanoCarrier Co., Ltd.	
●Shiro KONDO	Teijin Group Fellow, Director, Kondo Laboratory, Teijin Limited	
●Nobuhiro SUZUKI	Director, Frontier Research Laboratories, Pharmaceutical Research Division, Takeda Pharmaceutical Company Limited	
●Masahiro TOIDA	Research Manager, Equipment Research & Development Center, Research & Development Management Headquarters, FUJIFILM Corporation	
●Hiroshi MISAWA	Research Manager, R&D Planning & Licensing, R&D Center, Terumo Corporation	
○Tomoji KAWAI	Professor, Osaka University	Research and Development of Innovative Nanobiodevices Based on Single-Molecule Analysis –Ultra-fast Single-Molecule-DNA Sequencing, Ultra-Low-Concentration Virus Detection, and Ultra-Sensitive Biomolecule Monitoring–
●Yoshinobu BABA	Professor, Graduate School of Engineering, Nagoya University	
○Masaru KITSUREGAWA	Professor, Institute of Industrial Science, The University of Tokyo / Director, Center for Information Fusion	Development of the Fastest Database Engine for the Era of Very Large Database and Experiment and Evaluation of Strategic Social Services Enabled by the Database Engine

○Tsunenobu KIMOTO	Professor, Kyoto University, Department of Electronic Science and Engineering	Innovative SiC Power Electronics Technology Toward Low-Carbon Society
●Hiroyuki MATSUNAMI	Director, Japan Science and Technology Agency (JST), Innovation Plaza Kyoto,	
●Hajime OKUMURA	Director, National Institute of Advanced Industrial Science and Technology (AIST), Energy Semiconductor Electronics Research Laboratory,	
○Masaru KURIHARA	Advisor, Water Treatment & Environment Division, Toray Industries, Inc.	Mega-ton Water System
○Yasuhiro KOIKE	Professor, Faculty of Science and Technology, Keio University	Creation of Face-to-Face Communication Industry by Ultra High-Speed Plastic Optical Fiber and Photonics Polymers for High-Resolution and Large-Size Display
○Tatsuhiko KODAMA	Professor, Department of Systems Biology and Medicine, Research Center for Advanced Science and Technology, The University of Tokyo	Molecular Dynamics Initiative for Antibody Drug Development (MDADD)
●Takao HAMAKUBO	Professor, Department of Molecular Biology and Medicine, Research Center for Advanced Science and Technology, The University of Tokyo	
●Ichiro SAKUMA	Professor, Department of Precision Engineering, Graduate School of Engineering, The University of Tokyo	
●Yasuyuki SETO	Professor, Department of Gastrointestinal Surgery, Graduate School of Medicine, The University of Tokyo	
●Masashi FUKAYAMA	Professor, Department of Pathology, Graduate School of Medicine, The University of Tokyo	
●Shigeo IHARA	Professor, Department of Systems Biology and Medicine, Research Center for Advanced Science and Technology, The University of Tokyo	

●Kohei TSUMOTO	Associate Professor, Laboratory of Physical Biochemistry, Graduate School of Frontier Sciences, The University of Tokyo	
●Toshimitsu MOMOSE	Associate Professor, Department of Radiology and Nuclear Medicine, Graduate School of Medicine, The University of Tokyo	
●Tsuyoshi INOUE	Professor, Department of Applied Chemistry, Graduate School of Engineering, Osaka University	
●Hirofumi DOI	President, Celish FD, Inc.	
●Hisafumi OKABE	Operating Officer, Director of Research, Chugai Pharmaceutical Co. Ltd.	
●Yukio SUDO	Senior Research Associate, Life Science Research Laboratories, Fuji Film Corp.	
●Hideaki FUJITANI	Research Fellow, Nano-Electronics Research Center, Fujitsu Laboratories Ltd.	
○Yoshiyuki SANKAI	Professor, Graduate School of Systems and Information Engineering, University of Tsukuba	World leading human-assistive technology supporting a long-lived and healthy society
○Hiroki SHIRATO	Professor, Department of Radiology, Hokkaido University Graduate School of Medicine	Sustainable Development of Molecular-Tracking Radiotherapy System
●Masahiro HIRAOKA	Professor, Department of Radiation Oncology and Image-applied Therapy, Kyoto University Graduate School of Medicine	
○Hiroshi SEGAWA	Professor, Research Center for Advanced Science and Technology, The University of Tokyo	Development of the next generation mass spectrometry system, and contribution toward drug discovery and diagnostics
●Susumu YOSHIKAWA	Specally Appointed Professor, Institute of Advanced Energy, Kyoto University	
●Akira FUJISHIMA	Chairman, Kanagawa Academy of Science and Technology	

○Koichi TANAKA	General Manager, Koichi Tanaka Mass Spectrometry Research Laboratory, Shimadzu Corporation	Development of the next generation mass spectrometry system, and contribution toward drug discovery and diagnostics
●Taka-Aki SATO	Director, Life Science Research Center, Technology Research Laboratory, Shimadzu Corporation	
●Gozo TSUJIMOTO	Professor, Department of Pharmacogenomics/Genomic Drug Discovery Science, Graduate School of Pharmaceutical Sciences, Kyoto University	
●Hachiro SUGIMOTO	Professor, Department of Neuroscience for Drug Discovery, Graduate School of Pharmaceutical Sciences, Kyoto University	
○Yoshinori TOKURA	Professor, Department of Applied Physics, University of Tokyo	Quantum Science of Strongly Correlated Systems
○Akira TONOMURA	Fellow, Hitachi, Ltd.	Development and Application of Atomic-Resolution Holography Electron Microscope
○Ryozo NAGAI	Professor, Department of Cardiovascular Medicine, Graduate School of Medicine, The University of Tokyo	Development of optimized therapeutic strategies against cancer and cardiovascular disease using large-scale computing and clinical information
○Shinichi NAKASUKA	Professor, Department of Applied Physics, University of Tokyo	Establishment of New Paradigm of Space Development and Utilization with Nano-Satellites Introducing Japanese-Original “Reasonably Reliable Systems Engineering”
○Hideo HOSONO	Professor, Frontier Research Center, Tokyo Institute of Technology	Exploration of New Superconductors and Related Functional Materials and Application of Superconducting Wires for Industry
●Keiichi TANABE	Deputy Director General, Superconductivity Research Laboratory, International Superconductivity Technology Center	

○Noritaka MIZUNO	Professor, Department of Applied Chemistry, School of Engineering, The University of Tokyo	Innovative Basic Research Toward Creation of High-performance Battery
●Hiroshi OKAJIMA	Project Manager, R & D Management Division, TOYOTA MOTOR CORPORATION	
○Hitoshi MURAYAMA	Director of the Institute for the Physics and Mathematics of the Universe, The University of Tokyo	Uncovering the Origin and Future of the Universe--ultra-wide-field imaging and spectroscopy reveal the nature of dark matter and dark energy--
○Masashi YANAGISAWA	Professor, The University of Texas Southwestern Medical Center	Molecular Mechanism and Control of Complex Behaviors
○Shinya YAMANAKA	Director, Center for iPS Cell Research and Application, Institute for Integrated Cell-Material Sciences, Kyoto University	iPS Cell Project for Regenerative Medicine
○Yoshihisa YAMAMOTO	Professor, National Institute of Informatics	Quantum information processing project
●Jaw-Shen TSAI	Fellow, Nano Electronics Research Laboratories, NEC Corporation	
●Seigo TARUCHA	Professor, Department of applied physics, Graduate School of Engineering, The University of Tokyo	
○Naoki YOKOYAMA	Fellow, Fujitsu Laboratories Ltd.	Development of Core Technologies for Green Nanoelectronics