As of November, 2026

World Premier International Research Center Initiative (WPI)
List of Working Group Leaders and Assigned Members

International Research Center for Neurointelligence (IRCN), The University of Tokyo

	Name	Affiliation/Title	Research Fields
PO	MISHINA Masayoshi	Professor Emeritus, The University of Tokyo	Molecular Brain Science
Domestic	INOKUCHI Kaoru	Professor, Department of Biochemistry, Faculty of Medicine, Graduate School of Medicine & Pharmaceutical Sciences, University of Toyama	Neurosceince
	KAMITANI Yukiyasu	Professor, Graduate School of Informatics, Kyoto University	Cognitive and Computational Neuroscience
Overseas	Bong-Kiun KAANG	Director, Center for Memory and Glioscience, Institute for Basic Science (IBS), KOR	Psychiatry
	Christof KOCH	Chief Scientist, MindScope Program, Allen Institute for Brain Science, USA	Neurosceince
	Michael P. STRYKER	Professor, Kavli Institute for Fundamental Neuroscience, Departments of Physiology and Bioengineering & Therapeutic Sciences, University of California, San Francisco, USA	Developmental Neuroscience

Nano Life Science Institute (NanoLSI), Kanazawa University

	Name	Affiliation/Title	Research Fields
PO	NAKANO Akihiko	Visiting Professor, Institute of Integrated Research, Institute of Science Tokyo	Cell Biology
Domestic	URANO Yasuteru	Professor, Graduate School of Pharmaceutical Sciences, The University of Tokyo	Chemical Biology
	OHNO Hiroshi	Team Director, Laboratory for Intestinal Ecosystem, Center for Integrative Medical Sciences, RIKEN	Intestinal Immunology
	YANAGIDA Toshio	Specially Appointed Professor, Graduate School of Information Science and Technology,The University of Osaka	Biophysics
Overseas	David Jans	Professor, Nuclear Signalling Laboratory, Depatment of Biochemistry and Molecular Biology, Monash University, AUS	Biological Chemistry/Molecular biology
	Daniel J. MÜLLER	Professor of Biophysics, Dept. Biosystems Science and Engineering, ETH Zürich, CHE	Nanobiomechanics/AFM Imaging
	Christopher M YIP	Dean, Faculty of Applied Science & Engineering, University of Toronto, CAN	Single Molecule Biophysics

Institute for Chemical Reaction Design and Discovery (ICReDD), Hokkaido University

	Name	Affiliation/Title	Research Fields
PO	TATSUMI Kazuyuki	Honorary Professor, Nagoya University	Inorganic Chemistry
Domestic	HOU Zhaomin	Deputy Center Director, Center for Sustainable Resource Science, RIKEN	Organometallic Chemistry, Organic Chemistry, Polymer Chemistry
	SHIMAKAWA Yuichi	Professor / Director, Institute for Chemical Research, Kyoto University	Solid State Chemistry, Materials Science
	NAKAI Hiromi	Professor, Department of Chemistry and Biochemistry, School of Advanced Science and Engineering, Waseda University	Theoretical Chemistry
Overseas	Odile EISENSTEIN	Emeritus Professor, Institut Charles Gerhardt Montpellier(ICGM), Université Montpellier / French Academy of Science, FRA	Theoretical Chemistry, Reaction Mechanism
	Gerhard ERKER	Professor i. R. (retired), Organisch-Chemisches Institut, University of Münster, DEU	Organometallic Chemistry, Catalysis, Main Group element Chemistry
	Robert GLEN	Professor (emeritus), Yusuf Hamied Department of Chemistry, University of Cambridge, GBR	Cheminformatics, Simulations of Biomolecules and Materials

Institute for the Advanced Study of Human Biology (ASHBi), Kyoto University

	Name	Affiliation/Title	Research Fields
PO	OKANO Hideyuki	Distinguished Professor, Keio University Regenerative Medicine Research Center, Keio University	Neuroscience
Domestic	SAYA Hideyuki	Director, Oncology Innovation Center, Fujita Health University	Tumor Biology
	NAKASHIMA Kinichi	Professor, Graduate School of Medical Sciences, Kyushu University	Neuroscience, Stem Cell Biology, Epigenetics
	SATAKE Akiko	Distingushed Professor, Faculty of Science, Kyushu University	Mathematical Biology, Integrative Biology
Overseas	Fred GAGE	Professor, Laboratory of Genetics LOG-G, The Salk Institute for Biological Studies, USA	Brain Research, Stem Cell Research, Neuroscience
	Steve HYMAN	Distinguished Service Professor, Department of Stem Cell and Regenerative Biology, Harvard University/ Core Institute Member and Director, Stanley Center for Psychiatric Research, Broad Institute of MIT and Harvard, USA	Stem Cell, Regenerative Biology
	Arnold KRIEGSTEIN	Professor, School of Medicine, University of California, San Francisco, USA	Neurology

International Center for Quantum-field Measurement Systems for Studies of the Universe and Particles (QUP), High Energy Accelerator Research Organization (KEK)

	Name	Affiliation/Title	Research Fields
PO	TSUNETA Saku	Director, Astronomy Research Center, Chiba Institute of Technology	Solar physics, Space astronomy
Domestic	OHKUBO Masataka	Researcher emeritus, National Institute of Advanced Industrial Science and Technology (AIST)	Superconductor electronics, Analytical science, Materials science
	SHIRASAKA Seiko	Dean/Professor, Graduate School of System Design and Management, Keio University	Systems Engineering, Space Engineering, Design Thinking
	NAKAYA Tsuyoshi	Professor, Division of Physics and Astronomy, Graduate School of Science, Kyoto University	Particle Physics, High Energy Physics, Neutrino Physics
Overseas	Christian Enss	Professor, Kirchhoff-Institute for Physics, Heidelberg University, DEU	Low Temperature Physics
	Jan Tauber	Guest Faculty, Leiden Observatory, NLD	Cosmology, Astrophysics
	Betty A. Young	Professor, Department of Physics, Santa Clara University, USA	Solid State Physics - Cryogenic Detectors

Premium Research Institute for Human Metaverse Medicine (PRIMe), Osaka University

	Name	Affiliation/Title	Research Fields
PO	KURODA Shinya	Professor, Department of Biological Sciences, The University of Tokyo	Systems Biology, Bioinformatics
Domestic	TSUNODA Tatsuhiko	Professor, School of Science / Graduate School of Frontier Sciences, The University of Tokyo	Tumor microenvironment analysis, deep learning, machine learning, omics analysis, bioinformatics
	ONAMI Shuichi	Team Director, Laboratory for Developmental Dynamics, RIKEN Center for Biosystems Dynamics Research	Systems Biology, BioImage Database
	SADA Aiko	Professor, Medical Institute of Bioregulation, Kyushu University	Stem Cell Biology, Skin Biology, Developmental Biology
Overseas	Orly REINER	Professor, Molecular Genetics and Molecular Neuroscience, Weizmann Institute of Science, ISR	Brain development and disease
	Edda KLIPP	Professor/Lab Head, Faculty of Life Science, Humboldt-Universität zu Berlin, DEU	Theoretical Biophysics
	Hsueh-Fen JUAN	Distinguished Professor, Life Science, National Taiwan University, TWU	Systems Biology, Proteomics, Bioinformatics

International Institute for Sustainability with Knotted Chiral Meta Matter ($SKCM^2$), Hiroshima University

	Name	Affiliation/Title	Research Fields
PO	YASHIMA Eiji	Professor Emeritus, Nagoya University Distinguished Professor, Department of Chemical Engineering, National Tsing Hua University	Polymer Chemistry, Supramolecular Chemistry, Chiral Materials
Domestic	YAMAMOTO Hiroshi	Professor, CIMoS Division of Functional Molecular Systems, Institute for Molecular Science	Materials Science
	ODA Reiko	Research Director, Institute of Chemistry, Centre Nationale de la Recherche Scientifique	Colloid Chemistry, Chirality, Physical chemistry
	FURUSAKI Akira	Deputy Director, Center for Emergent Matter Science, RIKEN	Theoretical Condensed Matter Physics
Overseas	Paul SUTCLIFFE	Professor, Department of Mathematical Sciences, Durham University, GBR	Mathematical Physics
	Nicholas KOTOV	Irving Langmuir Distinguished Professor, Chemical Engineering, University of Michigan, USA	Chiral Nanostructur, Complex Particle Systems
	Gregory GRASON	Professor, Polymer Science and Engineering, University of Massachusetts, Amherst, USA	Soft matter & Polymer physics

Human Biology-Microbiome-Quantum Research Center (Bio2Q), Keio University

	Name	Affiliation/Title	Research Fields
PO	TAKAHASHI Ryosuke	Professor, Office of Research Acceleration, Kyoto University	Neurology
Domestic	KATAGIRI Hideki	Vice President for Medical Innovation Promotion, Graduate School of Medicine, Department of Diabetes, Metabolism and Endocrinology, Tohoku University	Inter-organ communication, metabolism, diabetes
	MIYAKE Sachiko	Professor, Department of Immunology, Juntendo University Graduate School of Medicine, Juntendo University	Immunology, Clinical Immunology, Neuroimmunology
	NEMOTO Kae	Professor, Quantum Architecture Unit, Okinawa Institute of Science and Technology School Corporation	Quantum Information, Quantum Optics, Quantum Complex Systems, Quantum Technology
Overseas	Per BORGHAMMER	Clinical professor & Chief consultant, Nuclear Medicine & PET, Aarhus University & Aarhus University Hospital, DNK	Parkinson's disease, gut-brain interactions, autonomic innervation of gut, microbiome, gut-first Parkinson's disease, Nuclear medicine & PET, gut imaging
	Uwe SAUER	Full Professor, Biology, ETH Zurich, CHE	Systems biology of metabolism
	Gabriel NÚÑEZ	Professor, Department of Pathology, University of Michigan, USA	Imminology/Microbilal-Host Interactions

Advanced Institute for Marine Ecosystem Change (AIMEC), Tohoku University & JAMSTEC

	Name	Affiliation/Title	Research Fields
PO	SAITO Hiroaki	Professor, Atmosphere and Ocean Research Institute, The University of Tokyo	Biological Oceanography, Marine Biogeochemistry
Domestic	IMADA Yukiko	Associate Professor, Division of Climate System Research, Atmosphere and Ocean Research Institute, The University of Tokyo	Climate Dynamics, Climate prediction and projection, Extreme events
	NISHIOKA Jun	Professor / Director, Pan-Okhotsk Research Center, Institute of low temperature science Hokkaido University	Chemical Oceanography, Ocean Biogeochemistry
	OGATA Hiroyuki	Professor, Institute for Chemical Research, Kyoto University	Marine viruses, Bioinformatics, Genomics
Overseas	Emanuele Di LORENZO	Professor, Department of Earth, Environmental, and Planetary Sciences, Brown University, USA	Oceanography and Climate Sciences
	Eileen Elizabeth HOFMANN	Professor, Ocean and Earth Sciences, Old Dominion University, USA	Marine food webs, marine ecosystem dynamics
	Aileen TAN Shau Hwai	Honorary Professor, Centre For Marine And Coastal Studies (CEMACS), Universiti Sains Malaysia (USM), MYS	Marine ecology, Mariculture (Invertebrates reproduction studies), Environmental studies (Environmental Impact Assessment), Marine Biodiversity and Conservation