

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

**Kavli Institute for the Physics and Mathematics of the Universe (Kavli IPMU), The University of Tokyo**

	Name	Affiliation/Title	Research Fields
PO	SANDA Ichiro	Professor Emeritus, Nagoya University	Theoretical Particle Physics
Domestic	ISO Satoshi	Professor, Institute for Particle and Nuclear Studies, High Energy Accelerator Research Organization (KEK)	Theoretical Particle Physics
	MIWA Tetsuji	Professor Emeritus, Kyoto University	Algebraic Analysis, Integrable Models, Representation Theory
	ONO Kaoru	Professor, Research Institute for Mathematical Sciences, Kyoto University	Differential Geometry and Topology
Overseas	Ian SHIPSEY	Professor and Head, sub-Department of Particle Physics, University of Oxford, GBR	Theoretical Particle Physics, Cosmology
	Matthias STAUDACHER	Professor, Institute of Physics and Mathematics, Humboldt University, Berlin, DEU	Superstring Theory
	J. Anthony TYSON	Distinguished Professor, Department of Physics, University of California, Davis, USA	Cosmology

**International Institute for Integrative Sleep Medicine (IIIS), University of Tsukuba**

	Name	Affiliation/Title	Research Fields
PO	KAIBUCHI Kozo	Director/Designated Professor, Institute For Comprehensive Medical Science, Fujita Health University	Pharmacology, Cell Biology, Neuroscience
Domestic	OSUMI Noriko	Vice President, Tohoku University	Division of Developmental Neuroscience
	TAKUMI Toru	Professor, Graduate School of Medicine, Kobe University	Brain Science
	UCHIYAMA Makoto	Director, Tokyo Adachi Hospital/ Visiting Professor, Department of Psychiatry, School of Medicine, Nihon University	Psychiatry, Sleep Medicine, Chronobiology
Overseas	Thomas KILDUFF	Center Director and SRI Fellow, Biosciences Division, Center for Neuroscience, SRI International, USA	Neurobiology of Sleep and Wakefulness
	Luis DE LECEA	Professor, Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, USA	Psychiatry, Molecular Neurobiology
	Richard NEUBIG	Professor and Chairman, Department of Pharmacology and Toxicology, Michigan State University, USA	Molecular Biophysics

**Earth-Life Science Institute (ELSI), Tokyo Institute of Technology**

	Name	Affiliation/Title	Research Fields
PO	MIYAMA Shoken	President, Gifu Shotoku Gakuen University	Theoretical Astronomy
Domestic	HASEBE Mitsuyasu	Professor, Division of Evolutionary Biology, National Institute for Basic Biology, National Institute of Natural Sciences	Evolutionary Biology
	KAWAKAMI Shin-ichi	Professor, Faculty of Education, Gifu Shotoku Gakuen University	Earth and Planetary Science, Science Education
	YAMAMOTO Satoshi	Professor, Department of Physics, The University of Tokyo	Astrophysics, Astrochemistry
Overseas	George D. CODY	Senior Staff Scientist, Geophysical Laboratory, Carnegie Institution of Washington, USA	Extraterrestrial organic matter in primitive bodies, Abiotic Organic Reactions within Primitive Bodies and Terrestrial Planets, Early Earth-Life Connections
	Antonio LAZCANO	Professor, Origin of life, Department of Evolutionary biology, Faculty of Science, The National Autonomous University of Mexico, MEX	Prebiotic Chemistry and Evolutionary Genomics
	Edwin TURNER	Professor/Director, Astrophysical Sciences/Council for International Teaching & Research, Princeton University, USA	Astronomy, Statistics and Astrobiology

**Institute of Transformative Bio-Molecules (ITbM), Nagoya University**

	Name	Affiliation/Title	Research Fields
PO	HAMACHI Itaru	Professor, Department of Synthetic Chemistry & Biological Chemistry, Graduate School of Engineering, Kyoto University	Life Chemistry
Domestic	AOYAMA Yasuhiro	Professor Emeritus, Kyoto University	Chemical Biology, Biofunctional Chemistry
	SUGA Hiroaki	Professor, Graduate School of Science, The University of Tokyo	Bioorganic Chemistry
	TERASHIMA Ichiro	Professor, Graduate School of Science, The University of Tokyo	Plant ecophysiology
Overseas	Wilhelm GRUISSEM	Professor, Department of Biology, ETH Zurich, CHE	Genetics and Molecular Biology
	Jonathan L. SESSLER	Roland K. Pettit Chair in Chemistry, Department of Chemistry & Biochemistry, The University of Texas, USA	Organic Chemistry
	Seung Bum PARK	Professor and Director, Department of Chemistry, Seoul National University, KOR	Chemical Biology

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

	Name	Affiliation/Title	Research Fields
PO	MISHINA Masayoshi	Research Professor, The Research Organization of Science and Technology, Ritsumeikan University	Molecular Brain Science
Domestic	INOKUCHI Kaoru	Professor, Department of Biochemistry, Faculty of Medicine, Graduate School of Medicine & Pharmaceutical Sciences, University of Toyama	Neuroscience
	KAMITANI Yukiyasu	Professor, Graduate School of Informatics, Kyoto University	Cognitive and Computational Neuroscience
	DOYA Kenji	Professor, Neural Computation Unit, Okinawa Institute of Science and Technology Graduate University	Computational Neuroscience
Overseas	Bong-Kiun KAANG	Professor, National Honor Scientist, Chair, APRC, International Brain Research Organization (IBRO), Seoul National University, KOR	Psychiatry
	Christof KOCH	President and Chief Scientific Officer, Allen Institute for Brain Science, USA	Neuroscience
	Michael P. STRYKER	Professor, Center for Integrative 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	Deputy Director and Team Leader, RIKEN Center for Advanced Photonics	Cell Biology
Domestic	OHNO Hiroshi	Team Leader, RIKEN Center for Integrative Medical Sciences	Intestinal Immunology
	URANO Yasuteru	Professor, Graduate School of Pharmaceutical Sciences, The University of Tokyo	Chemical Biology
	YANAGIDA Toshio	Specially Appointed Professor, Graduate School of Frontier Biosciences, Osaka University	Biophysics
Overseas	David Jans	Professor, Nuclear Signalling Laboratory, Dept. of Biochemistry and Molecular Biology, Monash University, AUS	Biological Chemistry/Molecular biology
	Daniel J. MULLER	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, 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, Université Montpellier 2/ Member of French Academy of Science, FRA	Theoretical Chemistry, Reaction Mechanism
	Gerhard ERKER	Senior Professor, Organisch-Chemisches Institut, University of Münster, DEU	Organometallic Chemistry, Catalysis
	Robert GLEN	Professor, 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	Professor, Department of Physiology, School of Medicine, Keio University	Neuroscience
Domestic	OKADA Mariko	Professor, Laboratory of Cell Systems, Institute for Protein Research, Osaka University	Biochemistry, Systems Biology
	SAYA Hideyuki	Professor and Chairman, Division of Gene Regulation, Institute for Advanced Medical Research, School of Medicine, Keio University	Tumor Biology
	NAKASHIMA Kinichi	Professor, Graduate School of Medical Sciences, Kyushu University	Neuroscience, Stem Cell Biology, Epigenetics
Overseas	Fred GAGE	President, Laboratory of Genetics LOG-G, The Salk Institute for Biological Studies	Brain Research, Stem Cell Research, Neuroscience
	Steve HYMAN	Distinguished Service Professor, Department of Stem Cell and Regenerative Biology, Harvard University/ Director, Stanley Center for Psychiatric Research and Core Member, Broad Institute of MIT and Harvard, USA	Stem Cell, Regenerative Biology
	Arnold KRIEGSTEIN	Professor, School of Medicine, University of California, San Francisco, USA	Neurology