

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

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## WPI Advanced Institute for Materials Research (AIMR), Tohoku University

	Name	Affiliation/Title
PO	Yoshihito Osada	Senior Visiting Scientist, RIKEN Advanced Science Institute
Japanese	Hideo Hosono	Professor, Frontier Research Center, Tokyo Institute of Technology
	Yasuhiko Shirota	Professor Emeritus, Osaka University
	Tomohiko Yamaguchi	Director, Nanosystem Research Institute, The National Institute of Advanced Industrial Science and Technology
	Toyonobu Yoshida	Fellow of National Institute for Materials Science
Overseas	Samuel M. Allen	POSCO Professor of Physical Metallurgy, Chair of the Faculty, Department of Materials Science and Engineering, Massachusetts Institute of Technology, <b>USA</b>
	Colin Humphreys	Professor and Director of Research, Department of Materials Science & Metallurgy, University of Cambridge, <b>UK</b>
	Samuel I. Stupp	Director, Institute for BioNanotechnology in Medicine Northwestern University, <b>USA</b>

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

	Name	Affiliation/Title
PO	Ichiro Sanda	Professor, Department of Physics, Kanagawa University
Japanese	Yutaka Hosotani	Professor, Department of Physics, Graduate School of Science, Osaka University
	Tetsuji Miwa	Program-Specific Professor, Institute for Liberal Arts and Sciences, Kyoto University
	Hiraku Nakajima	Professor, Research Institute for Mathematical Science, Kyoto University
Overseas	Ian Shipsey	Julian Schwinger Distinguished Professor of Physics, Department of Physics, Purdue University, <b>USA</b>
	Matthias Staudacher	Professor, Institute of Mathematics, Humboldt University, Berlin, <b>Germany</b>
	Anthony Tyson	Distinguished Professor, Department of Physics, University of California, Davis, <b>USA</b>

## Institute for Integrated Cell-Material Sciences (iCeMS), Kyoto University

	Name	Affiliation/Title
PO	Toru Nakano	Professor, Department of Molecular Cell Biology, Research Institute for Microbial Diseases, Osaka University
Japanese	Kazunori Kataoka	Professor, Department of Materials Bioengineering, Graduate School of Engineering, The University of Tokyo
	Yoshiki Katayama	Professor, Department of Applied Chemistry, Graduate School of Engineering, Kyushu University
	Yumiko Saga	Professor, Division of Mammalian Development, National Institute of Genetics
	Toshio Suda	Professor, The Sakaguchi Laboratory of Developmental Biology, School of Medicine, Keio University
	Masayuki Yamato	Professor, Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University
Overseas	George Q. Daley	Samuel E. Lux, IV Professor in Hematology/Oncology / Director, Stem Cell Transplantation Program, Children's Hospital Boston / Investigator, Howard Hughes Medical Institute, <b>USA</b>
	Alexander V. Kabanov	Mescal Swain Ferguson Distinguished Professor / Director, Center for Nanotechnology in Drug Delivery, UNC Eshelman School of Pharmacy, <b>USA</b>
	Paavo K.J. Kinnunen	Professor, Department of Biomedical Engineering and Computational Science, School of Science, Aalto University, <b>Finland</b>

### Immunology Frontier Research Center (IFReC), Osaka University

	Name	Affiliation/Title
PO	Takehiko Sasazuki	University Professor, Institute for Advanced Study, Kyushu University
Japanese	Hiroshi Kiyono	Dean and Professor, Division of Mucosal Immunology, Department of Microbiology and Immunology, Institute of Medical Science, The University of Tokyo
	Nagahiro Minato	Dean and Professor, Graduate School of Medicine, Kyoto University
	Kazuhiko Yamamoto	Professor and Chairman, Department of Allergy and Rheumatology, Graduate school of Medicine, The University of Tokyo
Overseas	Günter J. Hämmerling	Professor and Chairman, Division of the Molecular Immunology, German Cancer Research Center Heidelberg DKFZ, <b>Germany</b>
	Hisataka Kobayashi	Associate (chief) scientist, Molecular Imaging Program, National Cancer Institute, National Institutes of Health, <b>USA</b>
	Philippe Kourilsky	Professor, Collège de France / Honorary Director-General, The Institute of Pasteur Chairman, The Singapore Immunology Network, <b>France</b>
	Diane Mathis	Morton Grove-Rasmussen Professor of Immunohematology, Head, Division of Immunology, Department of Microbiology and Immunobiology, Harvard Medical School, Boston, <b>USA</b>

### International Center for Materials Nanoarchitectonics (MANA), National Institute for Materials Science

	Name	Affiliation/Title
PO	Gunzi Saito	Professor, Faculty of Agriculture, Meijo University
Japanese	Yoshinobu Aoyagi	Eminent Professor, Ritsumeikan Global Innovation Research Organization, Ritsumeikan University
	Takehiko Ishiguro	Professor Emeritus, Kyoto University
	Tadashi Matsunaga	President, Tokyo University of Agriculture and Technology
	Hiroshi Yoshida	Professor, Graduate school of Engineering Science, Osaka University
Overseas	David L. Allara	Distinguished Professor Chemistry and Professor of Materials Science & Engineering, Departments of Materials Science & Engineering, Pennsylvania State University, <b>USA</b>
	Klaus von Klitzing	Director, Max Planck Institute for Solid State Research, <b>Germany</b> <b>Nobel Prize laureate</b>

### International Institute for Carbon-Neutral Energy Research (I<sup>2</sup>CNER), Kyushu University

	Name	Affiliation/Title
PO	Nobuhide Kasagi	Professor Emeritus, The University of Tokyo / Principal Fellow, Center for Research and Development Strategy, Japan Science and Technology Agency
Japanese	Kazunari Domen	Professor, School of Engineering, The University of Tokyo
	Koichi Eguchi	Professor, Department of Energy and Hydrocarbon Chemistry, Graduate School of Engineering, Kyoto University
	Shuichiro Hirai	Professor, Department of Mechanical and Control Engineering, Graduate School of Science and Engineering, Tokyo Institute of Technology
Overseas	Ellen Ivers-Tiffée	Head, Institute of Materials for Electrical Engineering, Karlsruhe Institute of Technology, <b>Germany</b>
	Dimos Poulikakos	Head, Department of Mechanical and Process Engineering, ETH Zurich, <b>Switz.</b>
	Scott Samuelsen	Director, National Fuel Cell Research Center, Professor, Mechanical, Aerospace, and Environmental Engineering, University of California, Irvine, <b>USA</b>

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

	Name	Affiliation/Title
PO	Kozo Kaibuchi	Professor, Department of Cell Pharmacology, Graduate School of Medicine, Nagoya University
Japanese	Norio Ozaki	Professor, Graduate School of Medicine, Nagoya University
	Noriko Osumi	Professor, School of Medicine, Tohoku University
	Toru Takumi	Professor, Graduate School of Biomedical Sciences, Hiroshima University
Overseas	Rick Neubig	Professor of Pharmacology, University of Michigan, <b>USA</b>
	Thomas Kilduff	SRI Fellow, Senior Director, Center for Neuroscience, Biosciences Division, SRI International, <b>USA</b>
	Emmanuel Mignot	Director of the Stanford Center for Sleep Sciences Professor of Psychiatry and Behavioral Sciences, <b>USA</b>

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

	Name	Affiliation/Title
PO	Shoken Miyama	Professor (Special Appointment), Office of the President, Hiroshima University
Japanese	Shin-ichi Kawakami	Professor, Faculty of Education, Gifu University
	Mitsuyasu Hasebe	Professor, Division of Evolutionary Biology, National Institute for Basic Biology, National Institute of Natural Sciences
	Satoshi Yamamoto	Professor, Department of Physics, The University of Tokyo
Overseas	George D. Cody	Senior Staff Scientist, Geophysical Laboratory, Carnegie Institution of Washington, <b>USA</b>
	Antonio Lazcano	Professor, Origins of Life and Evolutionary Biology, Facultad de Ciencias, UNAM, National Autonomous University of Mexico, <b>Mexico</b>
	Edwin Turner	Professor, Department of Astrophysical Sciences, Princeton University, <b>USA</b>

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

	Name	Affiliation/Title
PO	Hiroo Fukuda	Professor, Department of Biological Sciences, Graduate School of Science, The University of Tokyo
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	Minoru Yoshida	Chief Scientist, RIKEN Advanced Science Institute
	Ikuko Nishimura	Professor, Department of Botany, Graduate School of Science, Kyoto University
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	Jonathan L. Sessler	Pettit Centennial Chair in Chemistry, The University of Texas, <b>USA</b>
	Ben Shen	Professor, Departments of Chemistry, The Scripps Research Institute, <b>USA</b>