

ASPIRE 2025 for Top Scientists
List of the Funded Projects

■ **AI/ Information**

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	International Circulation of Knowledge for Embodied Reconfigurability	INAMI Masahiko, Professor, Research Center for Advanced Science and Technology, The University of Tokyo
		<p><u>Australia</u> Ken-Tye Yong, Professor, Faculty of Engineering, The University of Sydney</p> <p><u>France</u> Ganesh Gowrishankar, Senior Researcher, Laboratoire d'Informatique, de Robotique et de Microélectronique de Montpellier, the Centre National de la Recherche Scientifique</p> <p><u>Germany</u> Jürgen Steimle, Professor, Department of Computer Science, Saarland University</p> <p><u>South Korea</u> Andrea Bianchi, Associate Professor, Department of Industrial Design & School of Computing, Korea Advanced Institute of Science and Technology</p> <p><u>US</u> Aaron Steinfeld, Research Professor and Head of Faculty Mentoring, Robotics Institute, Carnegie Mellon University</p> <p><u>US</u> Steven Feiner, Professor, Department of Computer Science, Columbia University</p>
2	Deep Sensing: Jointly optimizing sensing and processing for CV/ AI applications	NAGAHARA Hajime, Professor, D3 Center, The University of Osaka
		<p><u>Canada</u> Michael Brown, Chair Professor, Department of Electrical Engineering & Computer Science, York University</p> <p><u>US</u> Ming-Hsuan Yang, Professor, Department of Electrical Engineering & Computer Science, University of California at Merced</p> <p><u>US</u> Shree Nayar, Professor, Computer Science, Columbia University</p> <p><u>US</u> Srinivasa Narasimhan, Professor, The Robotics Institute, Carnegie Mellon University</p>

3	Global Skill-Science Network for Transferring and Breaking the Limits of Human Expertise	FURUYA Shinichi, Research Director, Tokyo Research, Sony Computer Science Laboratories Inc.
		<p><u>Switzerland</u> Friedhelm Hummel, Professor, Clinical Neuroengineering Brain Mind Institute, Ecole polytechnique fédérale de Lausanne (EPFL)</p> <p><u>UK</u> Maria Herrojo Ruiz, Reader, Department of Psychology, University of London Goldsmiths</p> <p><u>US</u> NISHIDA Jun, Assistant Professor, Department of Computer Science, University of Maryland</p> <p><u>US</u> Oyewole Oyekoya, Associate Professor, Department of Computer Science, The City University of New York</p> <p><u>US</u> Peter Stone, Professor, Department of Computer Science, University of Texas at Austin</p>
4	Enhancing Humanity: International Research Collaboration Network Towards an Inclusive Future through Human Augmentation	MINAMIZAWA Kouta, Professor, Graduate School of Media Design, Keio University
		<p><u>France</u> Anatole Lécuyer, Senior Researcher, INRIA Rennes, INRIA</p> <p><u>Italy</u> Domenico Prattichizzo, Professor, Department of Information Engineering, University of Siena</p> <p><u>UK</u> Catherine Holloway, Co-Founder & Academic Director, Professor, Global Disability Innovation (GDI) Hub, University College London</p> <p><u>US</u> Pattie Maes, Professor, Program of Media Arts and Sciences, MIT MediaLab</p> <p><u>US</u> Pedro Lopes, Associate Professor, Department of Computer Science, University of Chicago</p>

■ Biotechnology

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Engineering Biology of Cell Membranes	KAWANO Ryuji, Professor, Institute of Engineering, Tokyo University of Agriculture and Technology

		<p><u>Canada</u> Juewen Liu, Professor, Department of Chemistry, University of Waterloo</p> <p><u>France</u> HARAYAMA Takeshi, Group Leader, Institute of Molecular and Cellular Pharmacology (National Institute of Health and Medical Research, French National Centre for Scientific Research, University of Côte d'Azur)</p> <p><u>Netherlands</u> Giovanni Maglia, Professor, Groningen Biomolecular Sciences & Biotechnology Institute, University of Groningen</p> <p><u>Netherlands</u> Wilhelm Huck, Professor, Institute for Molecules and Materials, Radboud University</p> <p><u>US</u> Aleksei Aksimentiev, Professor, The Grainger College of Engineering, University of Illinois Urbana-Champaign</p> <p><u>US</u> James Friend, Professor, Department of Mechanical and Aerospace Engineering, University of California, San Diego</p> <p><u>US</u> Ryan White, Professor, Department of Chemistry, University of Cincinnati</p> <p><u>US</u> INOUE Takanari, Professor, Department of Cell Biology, Johns Hopkins University School of Medicine</p> <p><u>US</u> Thorsten Schmidt, Associate Professor, Department of Physics, Kent State University</p>
2	Molecular Dissection of Plant–Soil Microbial Networks Including Nematodes to Advance Holobiome Understanding and Establish a Foundation for Sustainable Agriculture	<p>SAWA Shinihiro, Professor, Graduate School of Science and Technology, Kumamoto University</p> <p><u>France</u> Bruno Favery, Deputy Head, Institut Sophia Agrobiotec, l'Institut national de recherche pour l'agriculture, l'alimentation et l'environnement</p>
3	Global Nexus for Biohybrid Robotics	<p>TAKEUCHI Shoji, Professor, Graduate School of Information Science and Technology, The University of Tokyo</p> <p><u>Sweden</u> Frank Niklaus, Professor, Division of Micro and Nanosystems, KTH Royal Institute of Technology</p> <p><u>Switzerland</u> Robert Katzschmann, Assistant Professor, Department of Mechanical and Process Engineering, ETH Zurich</p> <p><u>US</u> David Kaplan, Distinguished University Professor, Center for Cellular Agriculture, Tufts University</p> <p><u>US</u> Dino Di Carlo, Armond and Elena Hairapetian Professor and Chair, Department of Bioengineering, University of California, Los Angeles</p> <p><u>US</u> Taher Saif, Professor, Mechanical Science and Engineering, University of Illinois at Urbana-Champaign</p>

■ Material

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Carbon-based material-biology interface science	<p>ITAMI Kenichiro, Chief Scientist, Pioneering Research Institute, RIKEN</p> <p><u>Canada</u> Cathleen M. Crudden, Director, Carbon-to-Metal Coating Institute, Queen's University</p> <p><u>Germany</u> Bart Jan Ravoo, Co-director, Center for Soft Nanoscience, University of Münster</p> <p><u>Germany</u> Christos Gatsogiannis, Co-director, Center for Soft Nanoscience, University of Münster</p>
2	Development of Innovative Soft Materials Composed of Colloidal Building Blocks –Toward the Construction and Future Perspectives of Next-Generation Soft Materials Integrating Flexibility and Hierarchical Order–	<p>TAKEOKA Yukikazu, Associate Professor, Department of Molecular & Macromolecular Chemistry, Nagoya University</p> <p><u>Belgium</u> Jeremy Odent, Associate Professor, Laboratory of Polymeric and Composite Materials, University of Mons</p> <p><u>Canada</u> Mark MacLachlan, Professor, Department of Chemistry, The University of British Columbia</p> <p><u>US</u> Robert Macfarlane, Professor, Department of Materials Science and Engineering, Massachusetts Institute of Technology</p>
3	A Comprehensive Study on Flexible and Stretchable Electronics	<p>MATSUHISA Naoji, Associate Professor, Institute of Industrial Science, The University of Tokyo</p> <p><u>Australia</u> James Bullock, Associate Professor, Electrical, Mechanical and Infrastructure Engineering, The University of Melbourne</p> <p><u>Austria</u> Martin Kaltenbrunner, Professor, Soft Matter Physics and LIT, Soft Materials Lab, Johannes Kepler University LINZ</p> <p><u>Finland</u> Kari Rönkä, Vice President, Sensing Solutions Research Area, VTT Technical Research Centre of Finland</p> <p><u>Germany</u> Christopher Synatschke, Group Leader, Synthesis of Macromolecules, Max Planck Institute for Polymer Research</p> <p><u>Italy</u> Gianni Ciofani, Principal Investigator/ Coordinator, Smart Bio-Interfaces Research Unit, Center for Materials Interfaces, Italian Institute of Technology</p> <p><u>South Korea</u> Jiheong Kang, Associate Professor, Department of Chemistry, Seoul National University</p> <p><u>UK</u> George Malliaras, Prince Philip Professor, Electrical Engineering Division, University of Cambridge</p>

		<p>UK Nicola Gasparini, Associate Professor, Imperial College London</p> <p>US Kevin Plaxco, Professor, Department of Chemistry and Biochemistry, University of California Santa Barbara</p> <p>US Tania Roy, Assistant Professor, Electrical and Computer Engineering, Duke University</p> <p>US Thuc-Quyen Nguyen, Professor, Department of Chemistry and Biochemistry, University of California</p> <p>US Zhenan Bao, K.K. Lee Professor, Department of Chemical Engineering, Stanford University</p>
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■ Quantum

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Creation of Integrated Optical Quantum Technologies through the Fusion of Nanophotonics and Atomic Physics	AOKI Takao, Professor, Faculty of Science and Engineering, Waseda University
		<p>France Etienne Brion, Chargé de Recherche, Laboratoire Collisions Agrégats Réactivité, CNRS – Université de Toulouse</p> <p>France Julien Laurat, Distinguished Professor, Laboratoire Kastler Brossel, Sorbonne Université</p> <p>Germany Arno Rauschenbeutel, Alexander von Humboldt Professor, Department of Physics, Humboldt-University Berlin</p> <p>Germany Sebastian Hofferberth, Professor, Institute for Applied Physics, University of Bonn</p> <p>Spain Darrick Chang, Group Leader, Theoretical Quantum Nanophotonics, ICFO – The Institute of Photonic Sciences</p> <p>US Chen-Lung Hung, Professor, Department of Physics and Astronomy, Purdue University</p> <p>US Vlado Vuletic, Lester Wolfe Professor of Physics, Department of Physics, Massachusetts Institute of Technology</p>
2	Construction of international research platform for creating exotic quantum materials	SATO Takafumi, Professor, WPI-AIMR (Advanced Institute for Materials Research), Tohoku University
		<p>US Xiaodong Xu, Professor, Department of Physics, Department of MSE, University of Washington</p> <p>US Zhiqiang Mao, Professor, Department of Physics, The Pennsylvania State University</p>

3	International Collaborative Research Network on Superconducting Quantum Circuits and Quantum Information	NAKAMURA Yasunobu, Director, Center for Quantum Computing, RIKEN
		<p>Canada Alexandre Blais, Professor, Physics, Université de Sherbrooke</p> <p>Canada Christopher Wilson, Professor, Institute for Quantum Computing & Department of Electrical and Computer Engineering, University of Waterloo</p> <p>Canada Stephen Hughes, Professor, Department of Physics, Queen's University</p> <p>Czech Republic Ievgen Arkhipov, Assistant Professor, Faculty of Science, Palacký University</p> <p>Finland Christian Flindt, Associate Professor, Department of Applied Physics, Aalto University</p> <p>France Mazyar Mirrahimi, Senior Researcher, Quantic Team, INRIA Paris</p> <p>Germany Frank Wilhelm-Mauch, Director, Institute for Quantum Computing Analytics (PGI-12), Forschungszentrum Jülich</p> <p>Italy Salvatore Savasta, Professor, MIFT Department, Messina University</p> <p>Netherlands Simon Gröblacher, Professor, Department of Quantum Nanoscience, Delft University of Technology</p> <p>Poland Adam Miranowicz, Professor, Faculty of Physics, Adam Mickiewicz University</p> <p>Spain Artur Garcia Saez, Leading Researcher, CASE, Barcelona Supercomputing Center</p> <p>Sweden Per Delsing, Professor, Quantum Technology Laboratory, Department of Microtechnology and Nanoscience, Chalmers University of Technology</p> <p>Switzerland Andreas Wallraff, Professor, Department of Physics, ETH Zurich</p> <p>US Alireza Marandi, Professor, Division of Engineering and Applied Science, California Institute of Technology</p> <p>US Andrew Cleland, Professor, Pritzker School of Molecular Engineering, University of Chicago</p> <p>US Britton Plourde, Professor, Department of Physics, University of Wisconsin-Madison</p> <p>US David Schuster, Applied Physics Department, Stanford University</p> <p>US Irfan Siddiqi, Professor, Department of Physics, University</p>

		<p>of California, Berkeley</p> <p>US Michel Devoret, Professor, Department of Physics, University of California, Santa Barbara</p> <p>US William Oliver, Department of EECS and Department of Physics, Massachusetts Institute of Technology</p>
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■ **Semiconductors**

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	International Initiative for Cross-Layer IC Design	<p>OKADA Kenichi, Professor, Department of Electrical and Electronic Engineering, School of Engineering, Institute of Science Tokyo</p>
		<p>Italy Salvatore Levantino, Professor, Dipartimento di Elettronica, Informazione e Bioingegneria, Politecnico di Milano</p> <p>South Korea Jerald Yoo, Associate Professor, Department of Electrical and Computer Engineering, Seoul National University</p> <p>Switzerland Hua Wang, Professor and Chair of Electronics, Department of Information Technology and Electrical Engineering, Swiss Federal Institute of Technology Zurich</p> <p>US Behzad Razavi, Professor, Electrical Engineering Department, University of California Los Angeles (UCLA)</p>
2	Development of design framework of VLSI circuit with advanced process node	<p>KOSUGE Atsutake, Associate Professor, Graduate School of Engineering, The University of Tokyo</p>
		<p>South Korea Kyuho Lee, Associate Professor, Department of Electrical and Electronic Engineering, Yonsei University</p> <p>US Priyanka Raina, Associate Professor, Department of Electrical Engineering, School of Engineering, Stanford University</p>
3	Japan-EU-US integrated MEMS network for edge semiconductors providing high functionalities and	<p>MITA Yoshio, Professor, Graduate School of Engineering, The University of Tokyo</p>

	revolutionary computing principles	<p><u>Belgium</u> Michael Kraft, Director, Professor, LIMNI Laboratory, KU Leuven</p> <p><u>Belgium</u> Philippe Helin, Program Director, Specialty Components & Platform Development, IMEC</p> <p><u>UK</u> Hadi Heidari, Professor, Head of Electronic & Nanoscale Engineering (ENE) Division, James Watt School of Engineering, Glasgow University</p> <p><u>US</u> Tianhong Cui, Distinguished McKnight University Professor, Department of Mechanical Engineering, University of Minnesota</p>
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■ Telecommunications

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Realtime digital twin platforms for super smart society	SAKAGUCHI Kei, Professor, School of Engineering, Institute of Science Tokyo
		<p><u>Australia</u> Branka Vucetic, ARC Laureate Fellow, Director of the Centre for IoT and Telecommunications, University of Sydney</p> <p><u>Australia</u> Sophie Jones, Senior Lecturer, Melbourne School of Health Sciences, the University of Melbourne</p> <p><u>France</u> Emilio Calvanese Strinati, Director of Science and Technology Innovation for 6G International Program, CEA-Leti</p> <p><u>Germany</u> Haris Gacanin, Chair for Distributed Signal Processing, RWTH Aachen University</p> <p><u>Germany</u> Thomas Haustein, Head of Department Wireless Communications and Networks, Fraunhofer Heinrich-Hertz-Institute</p> <p><u>Italy</u> Antonio Capone, Full Professor, Department of Electronics, Information and Bioengineering (DEIB), Politecnico di Milano</p> <p><u>South Korea</u> Jeung-Im Kim, Professor, School of Nursing, Soonchunhyang University</p> <p><u>South Korea</u> Seong-Lyun Kim, Professor, School of Electrical and Electronic Engineering, Yonsei University</p> <p><u>US</u> FURUKAWA Tomonari, Professor, School of Engineering and Applied Science, University of Virginia</p> <p><u>US</u> Walid Saad, Rolls Royce Commonwealth Professor, Department of Electrical and Computer Engineering, Virginia Tech</p>

ASPIRE 2025 for Rising Scientists
List of the Funded Projects

■ **AI/ Information**

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Building Multimodal AI Foundation Models under Limited Resources	KATAOKA Hirokatsu, Chief Senior Researcher, Artificial Intelligence Research Center, National Institute of Advanced Industrial Science and Technology (AIST)
		<div>Germany</div> Yuki Markus Asano, Full Professor, Department of Engineering, University of Technology Nuremberg <div>UK</div> Christian Rupprecht, Associate Professor, Department of Computer Science, University of Oxford <div>UK</div> Shangzhe Wu, Assistant Professor, Department of Engineering, University of Cambridge
2	From Natural Language to Safe Actions: Crafting an Automatic Control Design Architecture for AI Physical Systems towards Society 5.0 through the Japan–Canada–USA Network	CAI Kai, Full Professor, Department of Core Informatics, Graduate School of Informatics, Osaka Metropolitan University
		<div>Canada</div> Lacra Pavel, Full Professor, Department of Electrical and Computer Engineering, University of Toronto <div>US</div> Chuchu Fan, Associate Professor, Department of Aeronautics and Astronautics, Massachusetts Institute of Technology
3	Combinatorics and Algorithms for Identifiability Problems in Rigidity Theory and Algebraic Statistics	TANIGAWA Shin-ichi, Associate Professor, Graduate School of Information Science and Technology, The University of Tokyo
		<div>Belgium</div> Fatemeh Mohammadi, Professor, Department of Mathematics, KU Leuven <div>UK</div> Anthony Nixon, Professor, School of Mathematical Sciences, Lancaster University
4	Adopting Sustainable Partnerships for Inclusive Embodied AI in Three-	ZHAO Moju, Lecturer, Departement of Mechanical Engineering, The University of Tokyo

	dimensional Space based on Aerial Robotics	<div>France</div> Macro Tognon, Inria Researcher, Inria Rennes <div>Switzerland</div> Roland Siegwart, Professor, Department of Mechanical Engineering, ETH Zurich
5	Enhancing Machine Performance and Reliability using Virtual Laboratory	<div>HARADA Kanako, Professor, Division of Biomedical Equipment and Biomaterials, Center for Disease Biology and Integrative Medicine, Graduate School of Medicine, The University of Tokyo</div> <div>Sweden</div> Andreas Archenti, Professor, Department of Production Engineering, Centre for Design and Management of Manufacturing Systems, KTH Royal Institute of Technology

■ Biotechnology

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Development of peptide-based new antibiotics against antimicrobial resistance	<div>SUGIHARA Kaori, Associate Professor, Institute of Industrial Science, The University of Tokyo</div> <div>Portugal</div> Miguel Castanho, Professor, School of Medicine, University of Lisbon <div>Spain</div> Judit Guasch Camell, Tenured Scientist, Materials Science Institute of Barcelona (ICMAB), Spanish National Research Council (CSIC) <div>Switzerland</div> Jinghui Luo, Principal Investigator, Laboratory for Multiscale Bioimaging, Paul Scherrer Institute <div>UK</div> Chris Lorenz, Professor, Department of Engineering, King's College London
2	Innovative nutrient management via regenerative environmental restoration and upcycling	TERADA Akihiko, Professor, Institute of Engineering, Tokyo University of Agriculture and Technology

	technologies	<p><u>Germany</u> Susanne Lackner, Professor, Faculty of Civil and Environmental Engineering, Technical University of Darmstadt</p> <p><u>US</u> Gary Stacey, Curators' Distinguished Professor, Division of Plant Sciences and Technology, University of Missouri</p>
3	Building an International Research Network on Intracellular Supramolecular Chemistry	<p>MIKI Takayuki, Project Lecturer, Graduate School of Engineering, The University of Tokyo</p> <p><u>Germany</u> Viktorija Glembockyte, Group Leader, Max Planck Institute for Medical Research</p> <p><u>Italy</u> Alessandro Bertucci, Associate Professor, Department of Chemistry, Life Sciences and Environmental Sustainability, University of Parma</p>
4	Engineering Biology for Promotion of High-order Protein Folding	<p>MURAOKA Takahiro, Professor, Graduate School of Engineering, Tokyo University of Agriculture and Technology</p> <p><u>Australia</u> Gottfried Otting, Emeritus Professor, Research School of Chemistry, Australian National University</p> <p><u>Germany</u> Johannes Buchner, Professor, Technical University Munich</p> <p><u>Italy</u> Roberto Sitia, Professor, Università Vita-Salute San Raffaele</p> <p><u>US</u> Ayyalusamy Ramamoorthy, Professor, Florida State University</p>
5	Establishing the bioeconomy basis by utilizing protein megacomplex from non-model microorganisms	<p>WATANABE Tomohiro, Associate Professor, Institute of Low Temperature Science, Hokkaido University</p> <p><u>Germany</u> Jan Schuller, Group Leader, Center for Synthetic Microbiology, Philipps-Universität Marburg</p>

■ Energy

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Establishing a Global Research Hub for Synergistic Battery–Electrolysis Technologies	TATARA Ryoichi, Associate Professor, Faculty of Engineering, Yokohama National University
		<p><u>Germany</u> Ulrike Krewer, Professor, Institute for Applied Materials– Electrochemical Technologies, Karlsruhe Institute of Technology</p> <p><u>Netherlands</u> Ruud Kortlever, Associate Professor, Department of Process & Energy, Delft University of Technology</p> <p><u>US</u> Graham Leverick, Assistant Professor, Department of Chemical and Biological Engineering, Tufts University</p> <p><u>US</u> Jeffrey Lopez, Assistant Professor, Department of Chemical and Biological Engineering, Northwestern University</p>
2	Development of Next-Generation Catalysts for Hydrogen Energy through the Establishment of a Sustainable International Research Ecosystem	TODOROKI Naoto, Professor, Graduate School of Environmental Studies, Tohoku University
		<p><u>Germany</u> Fabio Dionigi, Scientist, Institute of Chemistry, Technische Universität Berlin</p> <p><u>Germany</u> Peter Strasser, Full professor, Institute of Chemistry, Technische Universität Berlin</p> <p><u>South Korea</u> Taeghwan Hyeon, Professor, School of Chemical and Biological Engineering, Seoul National University</p> <p><u>US</u> Jian Xie, Professor, School of Mechanical Engineering, Purdue University</p> <p><u>US</u> Zhenhua Zeng, Research Assistant Professor, Department of Chemistry, Purdue University</p>

■ Material

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Building a next-generation international network for the creation of ultra-high-performance iontronics-based neuromorphic systems	TSUCHIYA Takashi, Group Leader, Research Center for Materials Nanoarchitectonics (MANA), National Institute for Materials Science (NIMS)
		<p><u>France</u> Liza Herrera Diez, CNRS Research Director, Centre for Nanoscience and Nanotechnology, CNRS-Université Paris Saclay</p> <p><u>Germany</u> Ilia Valov, Head of Group Nanoelectrochemistry (Professor), Peter Gruenberg Institute, Research Centre Juelich</p> <p><u>Italy</u> Francesco Rossella, Associate Professor, Group leader, Head of Laboratory, Dipartimento di Scienze Fisiche, Informatiche e Matematiche, Università degli studi di Modena e Reggio Emilia (UNIMORE)</p> <p><u>Spain</u> Juan Bisquert, Distinguished Researcher, Instituto de Tecnología Química (Universitat Politècnica de València-Consejo Superior de Investigaciones Científicas)</p>
2	Epitaxy, Processing, and 3D Integration of P-type Two-Dimensional (2D) Semiconductors	TUNG Vincent, Professor, Department of Chemical System Engineering, The University of Tokyo
		<u>US</u> Jeehwan Kim, Associate Professor, Department of Mechanical, Engineering Massachusetts Institute of Technology

■ Quantum

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Realization of spin qubits using floating electrons on solid neon	KAWAKAMI Erika, RIKEN Hakubi Team Leader, RIKEN Center for Quantum Computing, RIKEN
		<p><u>Germany</u> Mónica Benito, Professor, Institute of Physics, University of Augsburg</p> <p><u>US</u> Dafei Jin, Associate Professor, Department of Physics and Astronomy, University of Notre Dame</p> <p><u>US</u> Xianjing Zhou, Assistant Professor, National High Magnetic</p>

		Field Laboratory, FAMU-FSU College of Engineering, Department of Mechanical and Aerospace Engineering, Florida State University
2	International joint development of a next- generation ion trap quantum computer	TAKAHASHI Hiroki, Assistant Professor, Okinawa Institute of Science and Technology Graduate University
		<u>Germany</u> Ferdinand Schmidt-Kaler, Professor, Johannes Gutenberg University of Mainz

■ Semiconductors

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Complementary Oxide- Semiconductor Platform: LSI-TFT Integration via International Talent Mobility and Circulation	IDE Keisuke, Assistant Professor, Institute of Integrated Research, Institute of Science Tokyo
		<u>South Korea</u> Junghwan Kim, Assistant Professor, Graduate School of Semiconductor Materials and Devices Engineering, Ulsan National Institute of Science and Technology <u>US</u> NOMURA Kenji, Associate Professor, Department of Electrical and Computer Engineering, University of California San Diego

■ Telecommunications

Project Title		Japan-side Principal Investigator
		Partner Principal Investigators
1	Advancing Small-Satellite Wireless Communication through Global Brain Circulation and Research- Talent Hub Development	TOMURA Takashi, Associate Professor, Department of Electrical and Electronic Engineering, Institute of Science Tokyo
		<u>Netherlands</u> Masoud Babaie, Associate Professor, Department of Microelectronics, Delft University of Technology <u>Sweden</u> Andrés Alayón Glazunov, Associate Professor, Linköping University <u>UK</u> Alan Tennant, Professor, School of Electrical and Electronic Engineering, The University of Sheffield

*Titles omitted. Affiliations and titles are as of December 2025. Partner Principal Investigators are listed in alphabetical order by country name.